BAE SYSTEMS Environmental

Preliminary Risk Assessment for Land Contamination

BAE Systems Waterlooville

BAE Systems Property Services



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DOCUMENT CONTROL

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EXECUTIVE SUMMARY

Introduction and Objectives

BAE Systems Environmental was commissioned by BAE Systems Property Services to conduct a Preliminary Risk Assessment for Land Contamination (Desk Study) for the BAE Systems Waterlooville site, located on Elettra Avenue, Waterlooville.

The objective of the Desk Study was to provide information for the potential disposal of the Site. It is understood that the Site will remain as industrial use.

Site Characteristics and Setting

The Site occupies approximately 5.5 ha and is approximately centred on National Grid Reference SU 676 099.

The Site is approximately rectangular in shape and includes 6 No. buildings of various construction with hardstanding (roads/paths) in between. The process area of the Site is securely fenced, with access obtained via a security gate and barrier. The Site is generally level in topography. Small areas of landscaping are present in the western and southern areas of the Site.

The Site was occupied by Brambles Farm until the early 1980s when construction of the buildings currently occupying the Site commenced.

The processes carried out at the Site both historically and currently are mainly associated with the integration and testing of torpedo sections.

The nearest surface water feature to the Site is a culverted underground stream that surfaces at the south-western boundary of the Site. The stream discharges into a balancing pond located approximately 75 m to the south of the Site next to an unnamed stream. The majority of surface water runoff enters storm drains that flow off-site in a south-westerly direction. During periods of prolonged heavy rainfall, surface water runoff does discharge into the balancing pond via a storm drain installed in the south-western corner of the Site.

The Site is underlain by superficial head deposits (predominantly silt and sand) overlying London Clay, classified as a non-aquifer.

Outline Conceptual Site Model and Potential Pollutant Linkages

Potential contamination sources associated with the Site are considered to include those connected with the past storage of chemicals, oil and waste materials and releases related to historical working practices. Currently, chemicals (e.g. lubricants and adhesives) are mainly stored in small quantities within either laboratories / workshop areas or the flammable store. Waste chemicals are stored in the locked hazardous waste storage room.

An underground storage tank was recently discovered on the Site and found to contain a clear liquid, likely to be water.

An historical diesel storage tank was located outside E Block. The integrity of its concrete catchpit is unknown. Diesel is currently stored in 3 No. double-skinned, bunded tanks.

Made ground is likely to be present in the Site associated with the construction of buildings, roads and other structures.

Humans occupy the Site during working hours. Given the extensive hardstanding coverage, it is unlikely that Site users will come into contact with any soil except where excavations are formed during construction or maintenance work.

Humans may be exposed to any soil-gases or vapours.

It is understood that the Site is to continue as industrial use.

Preliminary Risk Assessment

The purpose of this report is to assess whether land contamination could affect the continued use of the Site for commercial/industrial use and/or give rise to liability under Part IIA of the Environmental Protection Act 1990.

A source-pathway-receptor assessment has been undertaken to determine whether there are any potential pollutant linkages that could be significant in this context.

Potential pollutant linkages relating to humans and controlled waters have been identified by this study.

Site workers have minimal contact with soil because of the extensive hardstanding cover. The risk to human health posed by potential contamination is considered to be very low.

Groundwater is not a sensitive receptor at the Site due to the underlying superficial head deposits and London Clay being classified as a Non-aquifer. This limits the potential for any historical contamination to have migrated through the superficial deposits to impact upon the underlying groundwater or nearby surface watercourses.

Recommendations

It is considered unlikely that the identified potential contamination sources would pose a significant risk to either humans or controlled waters.

However, it is recommended that a limited site investigation is undertaken in order to determine whether the identified potential contamination sources exist.

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1. INTRODUCTION

1.1. Background and Objectives

BAE Systems Environmental was commissioned by BAE Systems Property Services to conduct a Preliminary Risk Assessment for Land Contamination (Desk Study) for the BAE Systems Waterlooville site, located on Elettra Avenue, Waterlooville.

The objective of the Desk Study was to provide information for the potential disposal of the Site. It is understood that the Site will remain as industrial use.

This assessment has been conducted in general accordance with current industry good practice guidance documents within the UK legislative and policy framework.

1.2. Scope of Work

The term 'Site' refers to the location shown in Figure 1 and the area delineated in Figure 2.

The assessment has collated the following information:

- basic site information;
- current land use and setting; and,
- site history and condition.

This information has been used to develop an initial Conceptual Site Model (CSM) that has been evaluated to provide an indication of potential pollutant linkages that may give rise to environmental risks. Conclusions and recommendations based on the findings of this assessment have been given.

1.3. Sources of Information

The following general sources of information have been used in compiling this report: -

- Current and historical Ordnance Survey (OS) maps.
- Historical aerial photographs.
- Geological, hydrogeological and hydrological data in the form of maps, plans and other documents from the British Geological Survey (BGS).
- Regulatory Authority data from parties such as the Environment Agency (EA), local and district councils, Natural England, Health Protection Agency (HPA) and the Health & Safety Executive (HSE) via an Envirocheck report.
- Further historical information obtained from published material.
- A walkover survey carried out on 19th June 2008.

A full reference list is provided in Appendix 1.

1.4. Reporting Conditions

It is emphasised that a Preliminary Risk Assessment for Land Contamination can only indicate the potential for contamination to be present on the Site. This Preliminary Risk Assessment for Land Contamination aims to highlight potential pollutant linkages in line with current industry guidance, without undertaking intrusive investigations.

The report refers to the conditions present at the Site at the time of the study. No liability can be accepted by BAE Systems Environmental for any future changes of Site conditions.

It should be noted that BAE Systems Environmental has relied on the accuracy of the information contained in the documents consulted and is in no circumstances responsible for the accuracy of such information or data supplied.

This report has been specifically prepared without the benefit of knowing the intentions of third parties and therefore should not be used by such organisations without prior consultation with BAE Systems Environmental.

2. SITE DETAILS AND DESCRIPTION

2.1. Site Details

Address	BAE Systems Elettra Avenue Waterlooville Hampshire PO7 7XS
National Grid Reference	SU 676 099 (Approximate Site centre)
Area	Approximately 5.5 hectares (ha)
Elevation	Approximately 35 mAOD.
Current Use	The Site comprises industrial buildings and hardstanding.
Neighbours	The Site is surrounded by industrial properties. Agricultural land lies further to the south and west. Residential properties are located further to the north and east.
Access	Via an access road off Elettra Avenue.

Table 1 – Site details

A Site Location Plan is presented in Figure 1.

2.2. Site Description

The Site and its immediate surroundings are shown on Figure 2. The Site is located within a larger business park.

The processes carried out at the Site both historically and currently are mainly associated with the integration and testing of torpedo sections.

The Site is approximately rectangular in shape and comprises mainly hardstanding (car parks and roads) with small landscaped areas in the west and south of the Site. There are 6 No. buildings located on the Site. The Site has a perimeter fence and also contains a secure internal fence, separating the process area from the remainder of the Site. There are separate entrances for the office and the process areas.

A more detailed description of the Site is given in Section 5.3.

3. ENVIRONMENTAL SETTING

3.1. General

A summary of the Site's environmental setting is given in the following sections based on information contained within the documents detailed in Section 1.3.

Extracts of the geological and groundwater vulnerability maps are presented in Figures 3 and 4 respectively.

Additional environmental information has been obtained from an Envirocheck report included as Appendix 2. British Geological Survey Borehole logs SU60NE/176 (BHs 2-13) located on-site and to the immediate south and west of the Site and SU60NE/244 located in the southern area of the Site. These logs are presented as Appendix 3.

3.2. Geology

Made Ground

The geological map does not show any made ground deposits on the Site.

None of the boreholes recorded made ground. BGS Boreholes 2-13 associated with SU60NE/176 were drilled in advance of the Site being developed.

A limited thickness of made ground is likely to be present associated with foundations and hardstanding.

Superficial Deposits

The geological map shows the Site to be underlain by head deposits described as sandy silty clay.

The borehole logs all recorded a layer of head deposits, described as firm to stiff mottled brown silty clay, to a maximum depth of 5.7 m (SU60NE/176: BH7).

Bedrock

The geological map indicates the Site to be underlain by London Clay overlying the Reading Formation and Upper Chalk of Cretaceous age.

London Clay was encountered within all boreholes to a maximum depth of 49.5 m in SU60NE/244. The Reading Formation was encountered beneath the clay to a depth of 83.5 m (SU60NE/244) and was underlain by Upper Chalk proved to a depth of 138.5 m (SU60NE/244).

3.3. Hydrogeology

The Groundwater Vulnerability Map indicates the London Clay beneath the Site to be a non-aquifer representing negligibly permeable soils. Non-aquifers are regarded as containing insignificant quantities of groundwater although groundwater flow can occur.

Groundwater was encountered in the head deposits within SU60NE/176: BHs 11 and 13 and in the London Clay within SU60NE/176: BH3. Groundwater was also encountered in SU60NE/244 within the Upper Chalk at a depth of 88.0 m.

3.4. Hydrology

A culverted stream flows through the Site in a south-westerly direction. This stream contains surface water runoff from a housing estate located to the east of the Site. The stream comes to the surface in the south-western corner of the Site (see Appendix 7, Photograph 1) where the 1.8 m diameter pipe splits into 2 No. 1.2 m diameter pipes before discharging into a balancing pond located next to an unnamed stream located approximately 75 m to the south of the Site. The stream flows in a general south-westerly direction ultimately joining the River Wallington.

Rainwater and other surface water runoff does not flow directly or via drains into the culverted stream. However, flooding did historically occur in the vicinity of the exposed part of the stream. Remedial works in this area were undertaken by BAE Systems approximately 5 years ago. These included the installation of a storm drain (see Appendix 7, Photograph 2) in the south-western corner of the Site which, during periods of prolonged heavy rain, allows rainwater and surface water runoff to be discharged into the balancing pond, under an Environment Agency discharge consent (N01167/1/1) to controlled waters.

The majority of rainwater / surface water runoff flows via 3 No. interceptors and storm drains to join a main sewer at 3 No. locations along the south-eastern, southern and south-western boundary of the Site.

The on-site foul sewer system channels water off-Site in a general southern direction.

3.5. Mineral Extraction

Records indicate the Site is not located within the likely zone of influence from historical shallow mining activities.

There are no recorded mineral extraction works within 1 km of the Site.

There are no recorded landfill sites within 1 km of the Site.

3.6. Radon Gas Risk

The Site is shown to be situated in an area where less than 1% of homes are above the Health Protection Agency Action Level. The British Geological Survey National Geoscience Information Service does not require any radon protective measures in the construction of new dwellings and extensions.

3.7. Information from Statutory Authorities

Information has been obtained from Site staff and sources such as the Environment Agency, local government and the British Geological Survey in the form of an EnviroCheck Report.

The information obtained indicates that there are no active registrations for the storage of radioactive material on the Site. The Site historically held a licence for the storage of a closed radioactive source used in a large number of Otto Fuel and helium monitoring detectors held at the Site. Currently, only 2 No. of these detectors are now held at the Site, which is below the threshold requiring registration.

The Site holds an Explosives Licence for the storage of pyrotechnics and detonator caps. This allows for the storage of up to 950 kg in a secure building. The Site is

currently applying for a new licence to take into account the integration of BAE Systems Underwater Systems and Integrated Systems Technologies (Insyte) which occurred on 1st January 2008.

There are 6 No. additional discharge consents to controlled waters within a 1 km radius of the Site. Further details can be found within Appendix 2.

There are no groundwater abstractions within a 1 km radius of the Site.

There are 4 No. recorded pollution incidents to controlled waters located within a 1 km radius of the Site, the closest of which was 288 m to the south-east.

There are no designated conservation areas within a 1 km radius of the Site.

3.8. German air-dropped UXO

The bombing intensity for the area of Havant and Waterloo was low in comparison to other urban areas of the UK. However, considering the geology of the Site, the average penetration depths of any air-dropped munitions are likely to have been deep and there remains the possibility that post-war development of the Site would not have encountered any UXO which may be present on the Site.

There is no other evidence to suggest that the Site or the surrounding area was heavily bombed during World War II (WWII).

An enquiry has been made to the Ministry of Defence's archive to confirm that there are no abandoned bombs at the Site. When the response is received, any relevant information will be forwarded immediately.

There is no other evidence to suggest the presence of an abandoned UXO on the Site.

It is considered very unlikely that German air-dropped UXO is present buried on the Site. The risk posed by potential UXO to personnel undertaking excavations at the Site is considered to be very low.

4. HISTORICAL DEVELOPMENT

4.1. General

The following section refers to the historical development of the Site and its surroundings. This account has been compiled from various sources including historical maps and aerial photographs as referenced in Appendix 1.

Extracts of relevant historical maps and aerial photographs are included as Appendices 5 and 6 respectively.

4.2. Site History

The earliest OS maps of the area from 1870 show that the Site was occupied by Brambles Farm. The Site was surrounded by farmland, with the original village of Waterloo to the south-east of the Site and a road running south-east to north-west located close to the Site's eastern boundary.

Very little change occurred to the Site during the first three-quarters of the 20th century. The 1933-38 OS map and the 1948 aerial photograph shows the expansion of the village, now known as Waterlooville, with houses having been constructed along the road to the immediate east of the Site.

The continued expansion of Waterlooville is depicted in both the 1962-63 OS map and the 1969 aerial photograph. This shows large-scale residential development to the east and north of the Site, which is still occupied by Brambles Farm.

New on-site constructions are first apparent in both the 1988 aerial photograph and the 1991-92 OS map. Both show the development of the car park in the western half of the Site along with the construction of 5 No. buildings on the Site.

The largest, known as the Main Building, is located on the eastern boundary of the Site, with 'E' Block located to its immediate south-west. There are 3 No. smaller buildings visible to the north-west of 'E' Block including the restaurant located on the northern boundary, the security gate and the waste storage area located in the centre of the Site. Additional industrial buildings have also been constructed to the immediate north, south and west of the Site.

The 2000 OS map does not show any changes to the Site, although further building construction has occurred within the surrounding industrial estates.

Both the 2008 OS map and aerial photograph show very little change in the immediate vicinity of the Site. The construction of an additional building (Beam Plot Building) has occurred on the Site on the southern boundary.

5. SITE PROCESSES AND ACTIVITIES

5.1. General

BAE Systems Environmental personnel undertook a walkover survey of the Site on 19th June 2008.

Information has been provided by Site personnel on the Site's processes and activities.

The key findings of the survey are provided in the following paragraphs. An Annotated Site Plan is presented as Figure 5 and walkover photographs are presented as Appendix 7.

5.2. Site Description

The Site is owned by BAE Systems and the majority of the Site is used by BAE Systems Insyte who undertake integration and testing of torpedo sections. The Site is managed by BAE Systems Workplace Services.

The Site comprises approximately 5.5 ha of hardstanding with buildings and small landscaped areas in its south and west. The Site has a generally flat topography at approximately 35 mAOD.

The Site is split in half by an access road which runs in an approximately north-south direction and provides access to the main car park located to the west of the access road and a smaller car park located to the east.

The Site buildings are located to the east of the access road. Access to the main building and restaurant is obtained via the smaller car park. The process buildings (E Block and Beam Plot Building) are accessed via a security gate with barrier. The process area is separated from the rest of the Site by a 2.5 m high wire mesh fence topped with barbed wire. There is also a wire mesh perimeter fence around the Site boundary.

All access roads and car parks are surfaced with tarmac and were noted to be in good condition.

5.3. Historical and Current Site Processes

There are 4 No. buildings located within the Site excluding the gatehouse and waste storage area, detailed below.

The largest building on the Site is the three-storey Main Building which was constructed in 1983 and is situated in the eastern area of the Site. The upper 2 No. floors of this buildings have always contained offices. At the time of the walkover, half of the 1st floor was empty with the other half leased out to external companies including Astute Submarines, LINS and 8 No. other companies. The 2nd floor contains Insyte offices.

The ground floor of the Main Building has always contained a mix of offices, small workshops and laboratories including a small chemical laboratory. The majority of the activities undertaken in these areas involves electronic works such as wiring, with no chemicals being used in significant quantities. There is a larger workshop on this floor which is used for reference testing of torpedoes.

The largest process building is E Block located in the south-eastern area of the Site. This building was purpose-built in 1983 for the electronic integration of torpedo sections which has included design, integration and testing procedures. Current work includes the Stingray, Spearfish and Archerfish projects. Other tests carried out include temperature and vibration conditioning. There is also a potting shop within the building that undertakes wire encapsulation.

During the Site walkover, the process areas were observed to consist of open plan work desks and benches with 2 No. cranes attached to the roof for the movement of larger torpedo sections. It was not possible to take interior photographs for security reasons.

There is a mezzanine floor containing offices for process support teams located within the building. About one-quarter of the building is given over for bulk dry storage. The building also contains a boiler house, back-up generator and associated diesel storage tank. Further details are given later in this section.

The smaller process building, known as the Beam Plot Building, was constructed in 1997 and is located to the south of E Block in the southern boundary of the Site. This building was purpose built to carry out torpedo tests and includes a water tank; approximate volume 300 m^3. This tank is used to carry out a number of tests on torpedoes including beam plotting. Archerfish mobility and control response testing is also carried out in the tank. The tank water is kept constantly in motion and regularly passes through ultra-violet and biological filtration systems. The tank is emptied every 2 years, cleaned and re-chlorinated.

The building also contains open plan workshop areas that are involved in other testing procedures including pressure and pneumatic testing. There is 1 No. crane located in the building for the movement of larger torpedo sections.

A mezzanine floor containing offices for process support teams was constructed in the building in 2002. It was not possible to take interior photographs for security reasons.

Both process buildings are designated ‘clean’ areas, with no explosives used. The torpedoes delivered to the Site are certified as free from contaminants such as oil, fuel and grease. This certification process has been in place throughout the Site’s lifetime but the possibility of historical contamination of the torpedoes cannot be ruled out.

A very recently discovered underground storage tank (UST) located outside E Block (see Photograph 3) was apparently connected to an historical shower room located within E Block. This was to be used by any employee who became contaminated with residues present in the torpedoes, with the contaminated water being collected in the UST. According to site employees, this shower was never used and has been removed.

The other building present on the Site is the restaurant which is located on the northern boundary of the Site. This was purpose built in 1983.

There are 2 No. boiler houses located on the Site, one in E Block which supplies the entire Site apart from the restaurant which contains its own dedicated boiler house. Both boiler houses were converted from diesel to gas approximately 3 No. years ago.

There are no sub-stations located on the Site.

An Asbestos Management Review (see Appendix 4) was carried out on the Site by EMS during July 2004. No asbestos was found to be contained within the fabric of the buildings, however, potential sources of asbestos were identified in the restaurant boiler

house and within rope seals of fire safes located in the Main Building. Clear warnings indentifying the possibility of the presence of asbestos are in place within the boiler house, which has restricted access. The condition of the rope seals are regularly monitored.

5.4. Storage Areas

An historical bulk diesel storage tank was located to the immediate south of E Block. It was situated on a concrete plinth with a concrete catchment pit located beneath it. The tank was removed approximately 3 No. years ago with the catchment pit backfilled and concreted up (see Photograph 4). An air conditioning unit is located in its place.

There are currently 3 No. diesel storage tanks located on the Site. Two are located in a purpose built brick shed and supply the sprinkler pumps which they are located next to. The other storage tank is situated in E Block (see Photograph 5) and supplies the back-up generator which has the capacity to supply approximately 50% of the Site with electricity for 8 hours if required. All the tanks are double-skinned and bunded and were installed 2 years ago and comply with the Control of Pollution (Oil Storage) (England) Regulations 2001.

A bulk liquid nitrogen storage tank is located on the southern boundary of the Site (see Photograph 6).

The bulk goods-in storage area is located in E Block (see Photograph 7) and contains electronic components for the process areas, personal protective equipment (PPE) and other dry goods.

A number of metal storage containers for general storage were observed in the main car park (see Photograph 8).

Bulk chemicals are stored separately in a locked flammable store which is located in the centre of the Site near the gatehouse. The chemicals are segregated and stored on shelves. The store contains a concrete bund observed to be in good condition. There is no current large-scale bulk storage of chemicals on the Site. However, historically there may have been larger quantities of chemicals stored at the Site.

As previously mentioned, a UST has recently been discovered outside E Block. When the cover was raised, the tank was found to be constructed of concrete and observed to be full of clear liquid with no oily sheen observed on its surface. Site personnel plan to obtain a sample of this liquid for analysis.

5.5. Current Waste Management Procedures

The Site's primary waste contractor is Veolia who manage the removal of waste.

The main waste collection area is located in the centre of the Site close to the gatehouse.

A small number of storage containers were observed in this area including 2 No. skips for general waste, a locked skip for secure waste and 5 No. wheelie bins for the recycling of paper and cardboard (see Photograph 10).

A small storage compound is located next to the skip area. Within this compound were separate locked storage areas for waste gas cylinders and empty drums which had mainly contained 'Instapak' packaging foam.

There is also a concrete bunded hazardous waste storage area (see Photograph 11). Arrangements are in place for a chemist from Veolia to come to Site to sort and pack the waste into drums for removal from Site.

A number of drums were located within a concrete bund, outside the storage compound (see Photograph 12). These had been filled with contaminated items such as rags and PPE which were sealed in red waste sacks and were awaiting removal from Site.

A skip containing building waste was observed to the north of E Block (see Photograph 13) and an additional waste storage area is located to the immediate east of the Beam Plot Buildings (see Photograph 14). This contained old Ministry of Defence equipment that was awaiting removal from the Site.

The housekeeping in the vicinity of the waste storage areas was observed to be of a good standard.

6. CONCEPTUAL SITE MODEL

6.1. Introduction

A Conceptual Site Model (CSM) is a simplified representation of the environmental conditions at a Site and its surroundings, which enables third parties to build up a picture of the Site. The development of a CSM highlights data gaps, (identifying the data that is required to be collected through site investigation) and is iterative with further data collection phases. The CSM has been developed with regard to the guidance provided in the Environment Agency report NC/99/38/2 and other referenced documents.

6.2. Summary of CSM

The Site was developed in the early 1980's prior to which it consisted of Brambles Farm.

Potential contamination sources associated with the Site are considered to include those connected with the past storage of chemicals, oil and waste materials and releases related to historical working practices.

Currently, chemicals are mainly stored in small quantities within either laboratories / workshop areas or the flammable store. Waste chemicals are stored in the locked hazardous waste storage room.

An historical diesel storage tank was located outside E Block. The integrity of its concrete catch pit is unknown. Diesel is currently stored in 3 No. double-skinned, bunded tanks. A UST of concrete construction and containing liquid has recently been discovered outside E Block. Its integrity is unknown although it is likely to have been intended for the storage of wash water.

The ground surface around the Site generally comprises either tarmac or concrete. Although the current hardstanding provides some protection in the event of accidental releases, the integrity of hardstanding cannot be guaranteed throughout the history of the Site.

Made ground is likely to be present in the Site associated with the construction of buildings, roads and other structures.

The Site is further underlain by superficial head deposits overlying London Clay which is classified as a non-aquifer. Groundwater was encountered in a small number of boreholes within both the head deposits and the London Clay.

There is a culverted underground stream that flows across the Site, surfacing in the south-western corner. This discharges into a balancing pond located next to an unnamed stream approximately 75 m to the south of the Site. Rainwater and other surface water runoff from the Site does not flow directly or via drains into the culverted stream. However, during periods of prolonged heavy rainfall, surface water runoff does discharge into the balancing pond via a storm drain installed in the south-western corner of the Site.

The majority of Site rainwater / surface water runoff flows in a southerly via storm drains to and joins a Civil Authorities Connection which flows off-site in a south-westerly direction.

Humans occupy the Site during working hours. Given the extensive hardstanding coverage, it is unlikely that Site users will come into contact with any soil except where excavations are formed during construction or maintenance work. There are, however, 2 No. areas of landscaping in the west and south of the Site where site workers could be exposed to potential contamination.

Humans may be exposed to any soil-gases or vapours.

It is understood that the Site is to continue as industrial use.

6.3. Potential Pollutant Linkages

In the context of land contamination, there are three essential elements to any risk:

- a source – a substance which is in, on or under the land and has the potential to cause harm or to cause pollution of controlled waters
- a receptor – in general terms, something that could be adversely affected by a contaminant, such as people, an ecological system or a water body, and
- a pathway – a means by which a receptor can be exposed to, or affected by, a contaminant.

The potential presence of these is described in the following sections. However, although each of these elements can exist independently, they only pose a potential risk where they are linked together – so that a particular source (contaminant) affects a particular receptor through a particular pathway. The term potential pollutant linkage (PPL) is used to describe a particular combination of source-pathway-receptor for the preliminary risk assessment.

Sources

Potential contaminative sources at the Site include:

Description	Location	Contaminants
Contaminated soil due to historical release of chemicals used during laboratory / workshop processes, from the UST, bulk and waste storage areas.	In the vicinity of the historical bulk diesel storage tank, UST and chemical/bulk and waste storage areas.	Metals, acids, oils, diesel, solvents (degreasers / lubricants), adhesives, ammonia, hydroxides.
Contaminated soils due to the constituents of made ground potentially used for levelling / construction activities.	Across the Site.	Predominantly metals and PAHs.

Table 2 – Potential Sources

Potential Pathways

Pathway	Description
Vapour / gas migration in unsaturated zone and underground services.	Migration of vapours and gases from contaminated soil and groundwater.
Migration in unsaturated zone.	Leaching of contaminants and migration of NAPLs.
Migration via shallow groundwater.	Migration of contaminants via shallow groundwater.
Migration via runoff of surface water (rain water).	Entry of dissolved and suspended contaminants directly into surface water drains.
Ingestion, inhalation, direct contact.	Pathway to humans.
Direct contact.	Pathway for building materials.

Table 3 – Potential Pathways

Potential Receptors

Receptor	Description
Controlled waters.	Groundwater in the superficial deposits.
Controlled waters.	Surface water courses – culverted stream (on-site), balancing pond (75 m to S).
Humans.	Site workers (adults).
Property.	Existing buildings and services.

Table 4 – Receptors

Construction workers are receptors to contamination but are not considered in the CSM. The UK framework for contaminated land assessment is based on potential adverse health effects resulting from long term exposure to soil contamination. This is because, in the majority of cases, chronic exposure to contamination is more significant than acute exposure, and because the occupational risks are already required to be addressed by the Health and Safety at Work Act 1974 and related legislation.

Based on the above identified potential sources, pathways and receptors the following potential pollution linkages (PPLs) have been identified by the desk study:

Source	Pathway	Receptor
Contaminated soil due to historical release of chemicals used during laboratory / workshop processes, from the UST, bulk and waste storage areas.	Migration in unsaturated zone.	Groundwater in the superficial deposits.
	Migration via shallow groundwater.	Surface water courses – culverted stream (on-site), balancing pond (75 m to S).
	Direct contact.	Existing buildings and services.
	Ingestion, inhalation, direct contact.	Site workers.
Contaminated soils due to the constituents of made ground potentially used for levelling / construction activities.	Migration through unsaturated zone.	Groundwater in the superficial deposits.
	Via shallow groundwater.	Surface water courses – culverted stream (on-site), balancing pond (75 m to S).
	Direct contact.	Existing buildings and services.
	Ingestion, inhalation, direct contact.	Site workers.

Table 5 - Potential Pollutant Linkages

6.4. Limitations and Uncertainties

The CSM is based on our understanding of the environmental setting of the Site and the types of activities carried out in the past, based on documentary research and visual observations. However, there are uncertainties surrounding the following:

- The direction of groundwater flow,
- The nature and extent of made ground and contamination source; and
- The potential for leaching of contamination.

7. PRELIMINARY RISK ASSESSMENT

7.1. Introduction

Risk assessment is the essential starting point in managing risks. It provides a structured mechanism for identifying potential problems and making judgments about the consequences.

The purpose of this first stage of risk assessment is to develop a conceptual model of the Site (Section 7) and establish whether or not there are significant risks. There are four key stages to assessing such risks:

- Hazard identification – establishing contaminant sources, pathways and receptors (the conceptual model)
- Hazard assessment – analysing the potential for significant risks (what linkages could be present, what could the effects be)
- Risk estimation – trying to establish the magnitude and probability of the possible consequences (what degree of harm might result and to what receptors, and how likely is it)
- Risk evaluation – deciding whether the risk is potentially significant

7.2. Criteria for Preliminary Risk Assessment

The criteria for deciding if there are potentially significant risks depends on the individual site under consideration and the context of the risk assessment.

The purpose of this report is to determine whether land contamination could affect the continued use of the Site for commercial/industrial use and/or give rise to liability under Part IIA.

We have used the criteria set out in Part IIA of the Environmental Protection Act (EPA) 1990 to determine if there are any potential liabilities or risks associated with the Site. In this context, liability may arise if there were any pollutant linkages which meant that the Site would meet the statutory definition of contaminated land under Part IIA of the EPA 1990.

This definition relates to a Site being in such a condition from substances in, on or under the land that significant harm is being caused or there is a significant possibility of significant harm to be caused; or pollution of controlled waters is being or likely to be caused. Controlled water in the context of this report means groundwater or surface waters.

7.3. Risk Estimation and Evaluation

The PPLs identified in Section 7 have been evaluated in relation to the criteria outlined above.

Potential pollutant linkages relating to humans and controlled waters have been identified by this study.

Site workers have minimal contact with soil because of the extensive hardstanding cover. The risk to human health posed by potential contamination is considered to be very low.

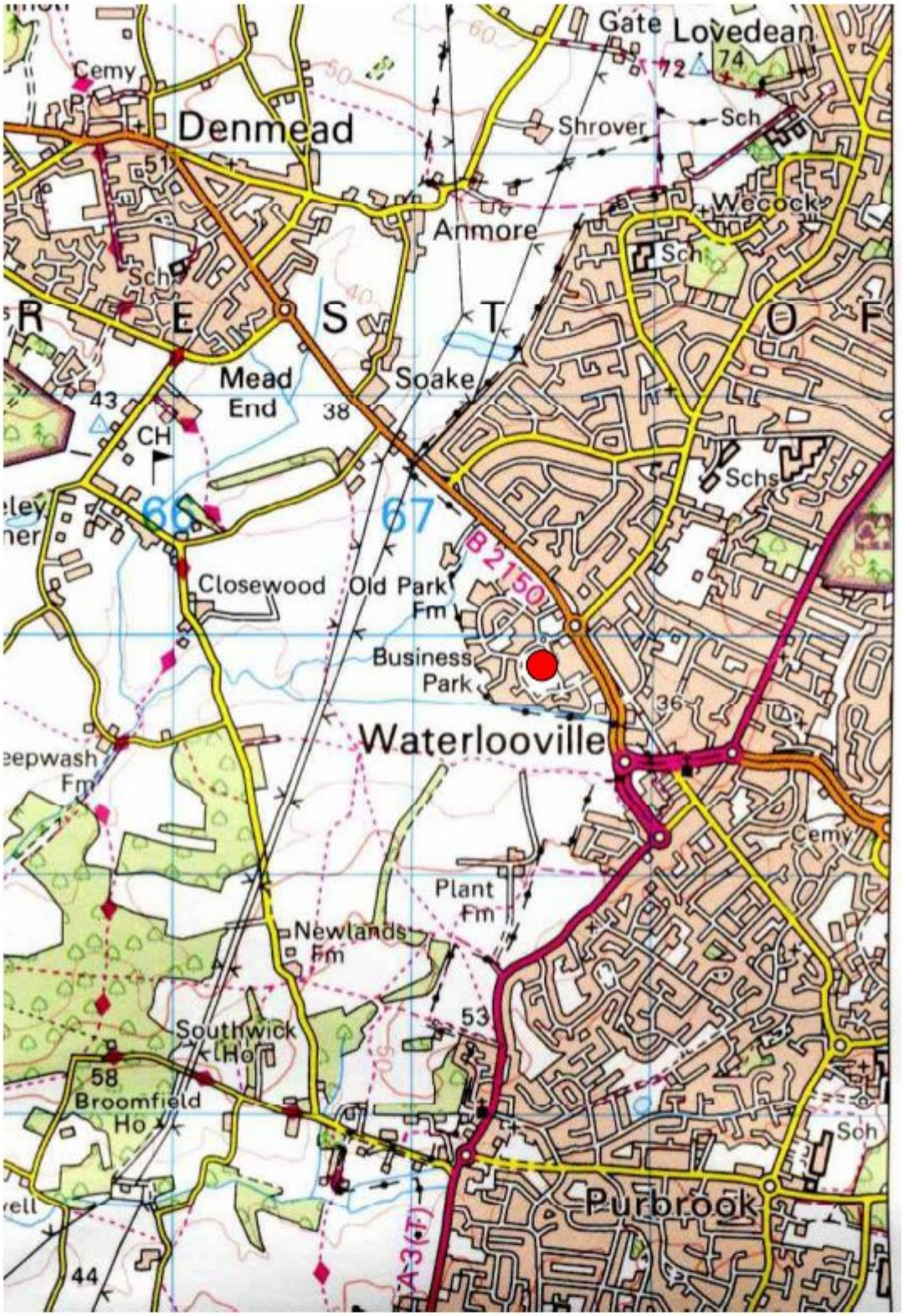
Groundwater is not a sensitive receptor at the Site due to the underlying superficial head deposits and London Clay being classified as a Non-aquifer. This limits the potential for any historical contamination to have migrated through the superficial deposits to impact upon the underlying groundwater or nearby surface watercourses.

7.4. Recommendations

It is considered unlikely that the identified potential contamination sources would pose a significant risk to either humans or controlled waters.

However, it is recommended that a limited site investigation is undertaken in order to determine whether the identified potential contamination sources exist.

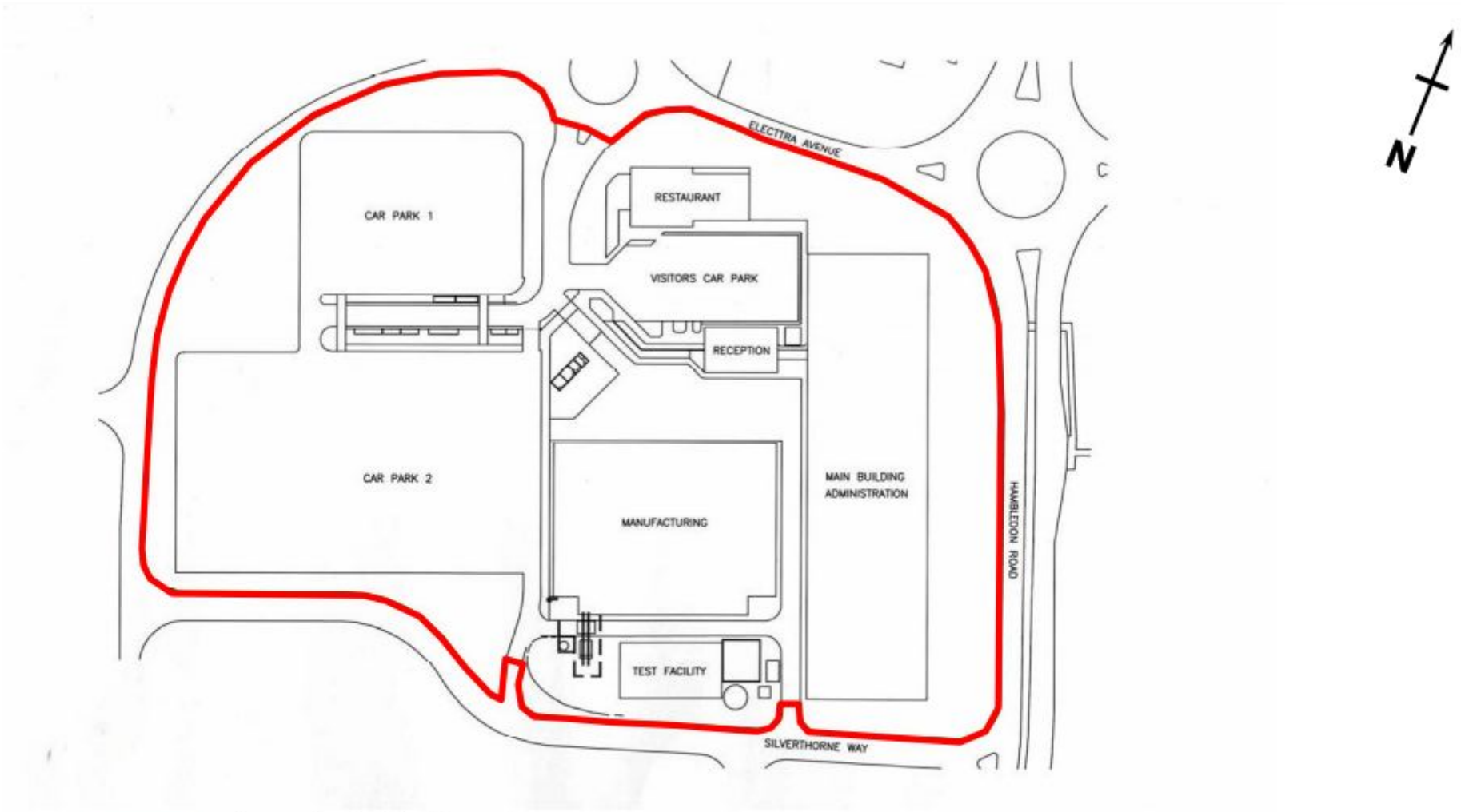
Figures



Approximate Site Location

Based upon the Ordnance Survey Map sheet 196, 'The Solent & Isle of Wight' with the sanction of the Stationary Office. Crown Copyright reserved licence No.100044527. This map is for identification purposes only and should not be relied upon for accuracy.

FIGURE TITLE : Figure 1 - Site Location Plan	BAE SYSTEMS
PROJECT : BAE Systems Waterlooville	REPORT NUMBER : B0054-00-R1-1



NOT TO SCALE

FIGURE TITLE :

Figure 2 – Site Plan

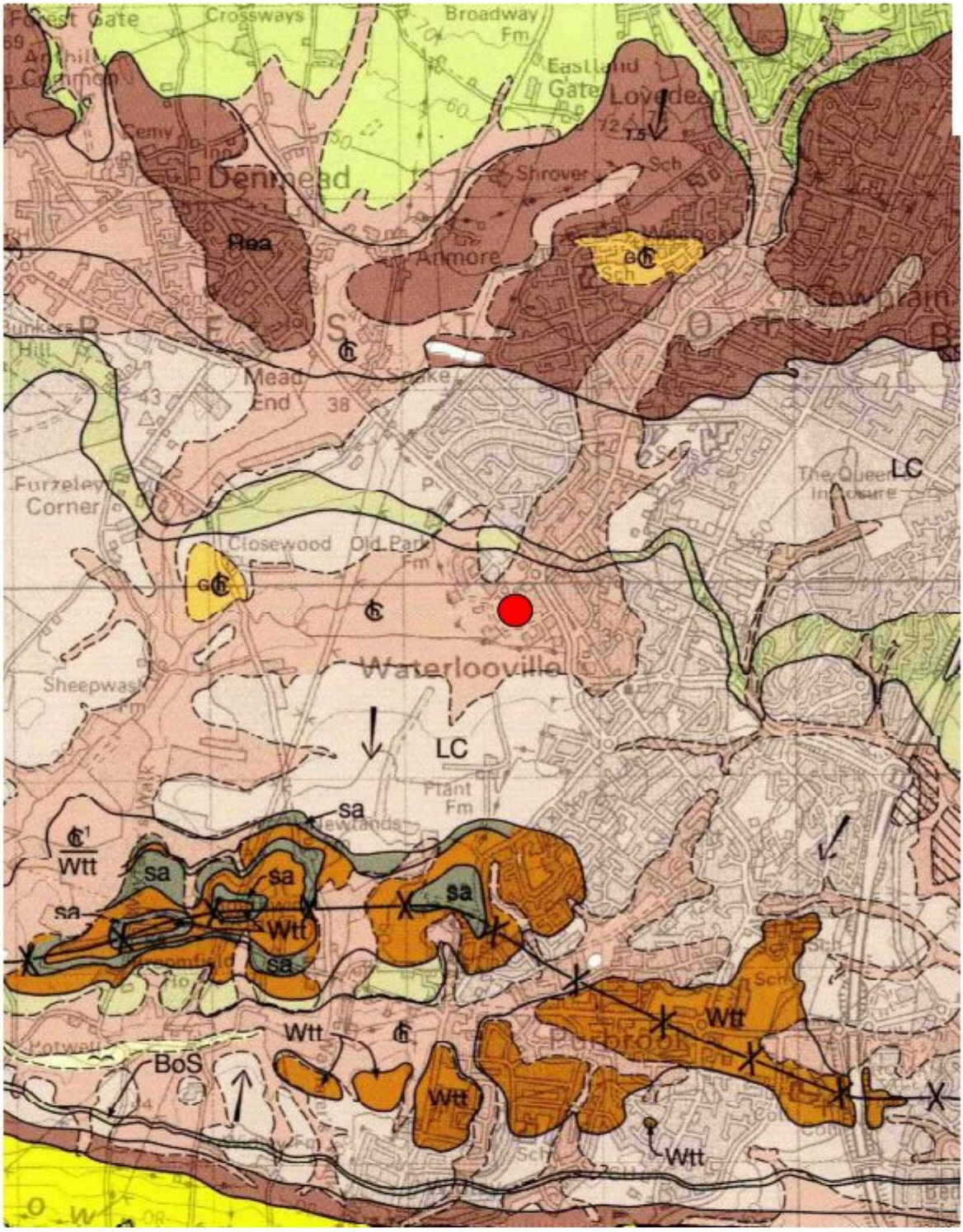
PROJECT :

BAE Systems Waterlooville

REPORT NUMBER :

B0054-00-R1-1

BAE SYSTEMS



Approximate Site Location

Reproduced from Geological Map Sheet 316, Fareham, 1:50 000,1998, by permission of the British Geological Survey. IPR/28-32C CSL NERC Copyright . All rights reserved. This Map is for identification purposes only and should not be relied upon for accuracy.

FIGURE TITLE :

Figure 3(a) - Extract Of Geological Map

PROJECT :

BAE Systems Waterlooville

REPORT NUMBER :

B0054-00-R1-1

BAE SYSTEMS

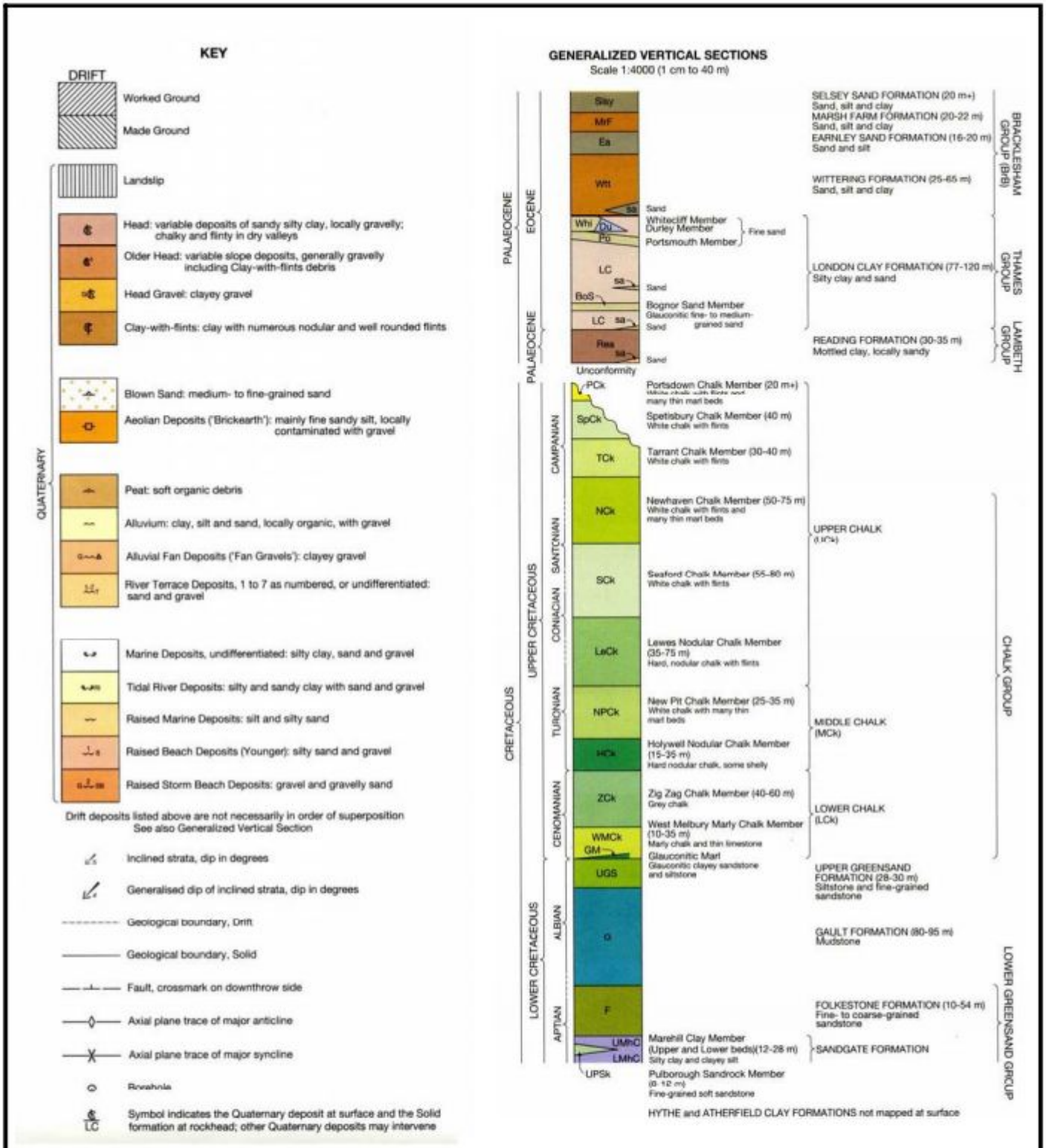


FIGURE TITLE :

Figure 3(b) - Extract Of Geological Key

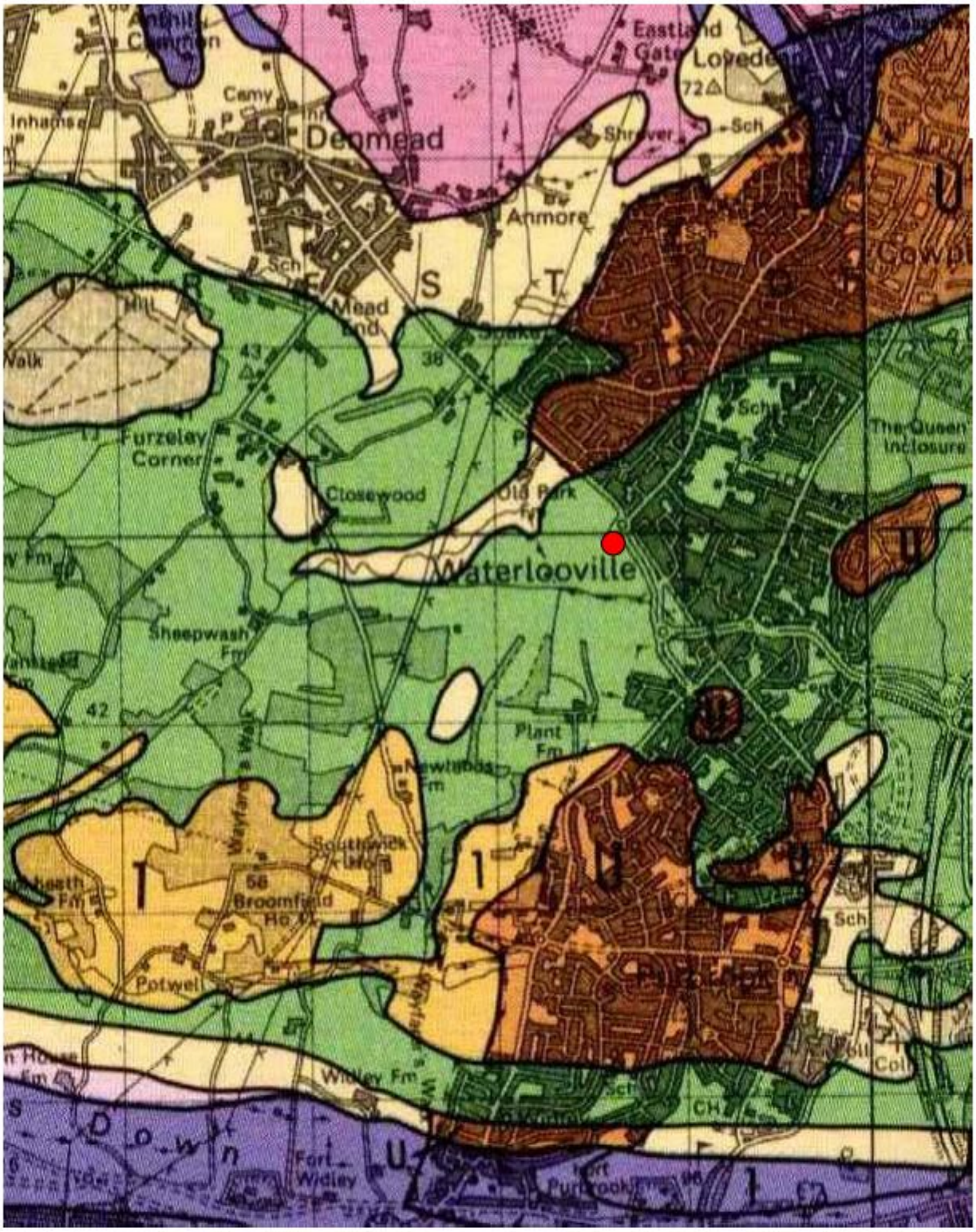
PROJECT :

BAE Systems Waterlooville

REPORT NUMBER :

B0054-00-R1-1

BAE SYSTEMS



Approximate Site Location

Reproduced from Groundwater Vulnerability Map Sheet 52, South Hants, 1:100,000,1996, by permission of the British Geological Survey. IPR/28-32C CSL NERC Copyright . All rights reserved. This Map is for identification purposes only and should not be relied upon for accuracy.

FIGURE TITLE :

Figure 4(a) - Extract Of Groundwater Vulnerability Map

PROJECT :

BAE Systems Waterlooville

REPORT NUMBER :

B0054-00-R1-1

BAE SYSTEMS

GEOLOGICAL CLASSIFICATION

Geological strata which contain groundwater in exploitable quantities are termed aquifers, whereas rocks which are largely impermeable and do not readily transmit water are termed non-aquifers. Aquifers vary in their general and hydraulic properties and can be classified as fractured, fracture-intergranular and intergranular and it is these properties, particularly in upper unsaturated zones, which form the basis of groundwater vulnerability assessment.

All groundwaters are controlled waters but it is convenient to subdivide permeable strata into two types; highly permeable (Major Aquifers) and variably permeable (Minor Aquifers). The former having generally greater capacity to transmit contaminated recharge entering at their surface than the latter.

Major Aquifers (Highly permeable)

These are highly permeable formations usually with a known or probable presence of significant fracturing. They may be highly productive and able to support large abstractions for public supply and other purposes.

On this map Major Aquifers comprise the Chalk, Upper Greensand and Lower Greensand (Sandrock Beds and Ferruginous Sands).

Minor Aquifers (Variably permeable)

These can be fractured or potentially fractured rocks which do not have a high primary permeability, or other formations of variable permeability including unconsolidated deposits. Although these aquifers will seldom produce large quantities of water for abstraction, they are important both for local supplies and in supplying base flow to rivers. Major Aquifers may occur beneath Minor Aquifers but on this map the underlying Major Aquifer is only shown where the overlying Minor Aquifer is a drift deposit.

Minor Aquifers, on this map, comprise the following solid formations: the Hamstead Beds, Bembridge Limestone, Osborne Beds, Headon Formation, Barton Group (sands), Bracklesham Group (sands), sands within London Clay (includes sands formerly described as Bagshot Sands), Reading Formation, Lower Greensand (Carstone) and sandstones within Wealden Beds. They also comprise the following permeable drift deposits: landslip, made ground, head (sandy), head gravel, coombe deposits, blown sand, brickearth (sandy), calcareous tufa, alluvium, river terrace deposits (except where mainly loam and clay), marine gravel, raised beach deposits, storm gravel beach deposits and buried channel deposits.

Non-Aquifers (Negligibly permeable)

Formations which are generally regarded as containing insignificant quantities of groundwater form a third group. However, groundwater flow through such rocks, although imperceptible, does take place and needs to be considered in assessing the risk associated with persistent pollutants. Some Non-Aquifers can yield water in sufficient quantities for domestic use. Major or Minor Aquifers may occur beneath Non-Aquifers.

On this map Non-Aquifers comprise the Bembridge Marls, Barton Group (silts and clays), Bracklesham Group (silts and clays), London Clay Formation (except sands), Gault Formation, Atherfield Clay, Weald Clay and Wealden Beds (except sandstones).

The brickearth is a low permeability drift west of easting 60 on the mainland and on the Isle of Wight where it is clay-rich and offers some protection to underlying aquifers. It is shown as a Minor Aquifer east of easting 60 on the mainland where it is sandier and used locally for small supplies.

Superficial drift deposits which overlie the solid geological strata can sometimes be substantial in thickness. They are often variable in composition changing from highly permeable outwash gravels to low permeability clays over short distances both laterally and vertically. The presence of low permeability drift deposits at the surface is identified by stipple shading whereas more permeable drift deposits are recognised as aquifers. Only the uppermost drift deposits are classified on the map and there is no attempt to show the thickness of geological strata.

The geological interpretation was made from source maps of variable quality and ages. Where old mapping abuts recent, detailed mapping there may be a substantial mismatch both in terms of alignment of boundaries and in

SOIL CLASSIFICATION

The soil vulnerability classification groups the many different soils of England and Wales into three soil vulnerability classes and six sub-classes. Each is based on soil physical and chemical properties which affect the downward passage of water and contaminants. These include: texture, structure, soil water regime and the presence of distinctive layers such as raw peaty topsoil and rock or gravel at shallow depth. This classification is not applied to soils above Non-Aquifers.

Soils of High Leaching Potential (H)

Soils with little ability to attenuate diffuse source pollutants and in which non-adsorbed diffuse source pollutants and liquid discharges have the potential to move rapidly to underlying strata or to shallow groundwater. They include soils of the Andover, Hurst and Sollom Associations from the National Soil Map. Three sub-classes are recognised:

H1 Soils which readily transmit liquid discharges because they are either shallow, or susceptible to rapid flow directly to rock, gravel or groundwater;

H2 Deep, permeable, coarse textured soils which readily transmit a wide range of pollutants because of their rapid drainage and low attenuation potential; and

H3 Coarse textured or moderately shallow soils which readily transmit non-adsorbed pollutants and liquid discharges but which have some ability to attenuate adsorbed pollutants because of their clay or organic matter contents.

Soils of Intermediate Leaching Potential (I)

Soils which have a moderate ability to attenuate diffuse source pollutants or in which it is possible that some non-adsorbed diffuse source pollutants and liquid discharges could penetrate the soil layer. They include soils of the Carstens, Efford and Fyfield Associations. Two sub-classes are recognised:

I1 Soils which can possibly transmit a wide range of pollutants; and

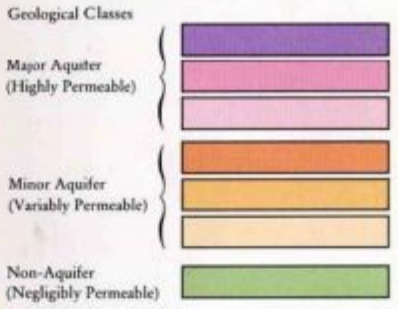
I2 Soils which can possibly transmit non- or weakly adsorbed pollutants and liquid discharges but are unlikely to transmit adsorbed pollutants.

Soils of Low Leaching Potential (L)

Soils in which pollutants are unlikely to penetrate the soil layer because either water movement is largely horizontal, or they have the ability to attenuate diffuse pollutants. Lateral flow from these soils may contribute to groundwater recharge elsewhere in the catchment. They generally have a high clay content and include soils of the Bolderwood, Wickham and Windsor Associations.

Publications and information on soil are available from Soil Survey and Land Research Centre, Cranfield University, Silsoe, Bedfordshire, MK45 4DT.

VULNERABILITY CLASSES



Low permeability drift deposits occurring at the surface and overlying Major and Minor Aquifers are head (clayey), clay-with-flints, brickearth (clayey), peat, river terrace deposits (mainly loam and clay) and marine and estuarine alluvium.

* – Soil information for restored mineral workings and urban areas is based on fewer observations than elsewhere. A worst case vulnerability classification (H) is therefore assumed for these areas and for current mineral workings. All are given a designation HU until proved otherwise.

All maps involve a compromise between the representation of natural complexity and ease of interpretation of the map. Such compromises place limitations on the resolution and precision of map information. In this case, the variety of soils, geological strata and potential contaminants that have to be covered is wide, and the classification used is, of necessity, generalized. Individual sites and circumstances will always require further and more detailed assessments to determine the specific impact on groundwater resources. The maps only represent conditions at the surface and therefore where the soil and/or underlying formations have been disturbed or removed, for example during mineral extraction, the vulnerability class may have been changed. Hence, where there is evidence of disturbance there will be a need to determine groundwater vulnerability using site-specific data.

Map prepared by Cartographic Department, Soil Survey and Land Research Centre, Cranfield University, Silsoe, Bedford, MK45 4DT

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FIGURE TITLE :

Figure 4(b) - Extract Of Groundwater Vulnerability Key

PROJECT :

BAE Systems Waterlooville

REPORT NUMBER :

B0054-00-R1-1

BAE SYSTEMS

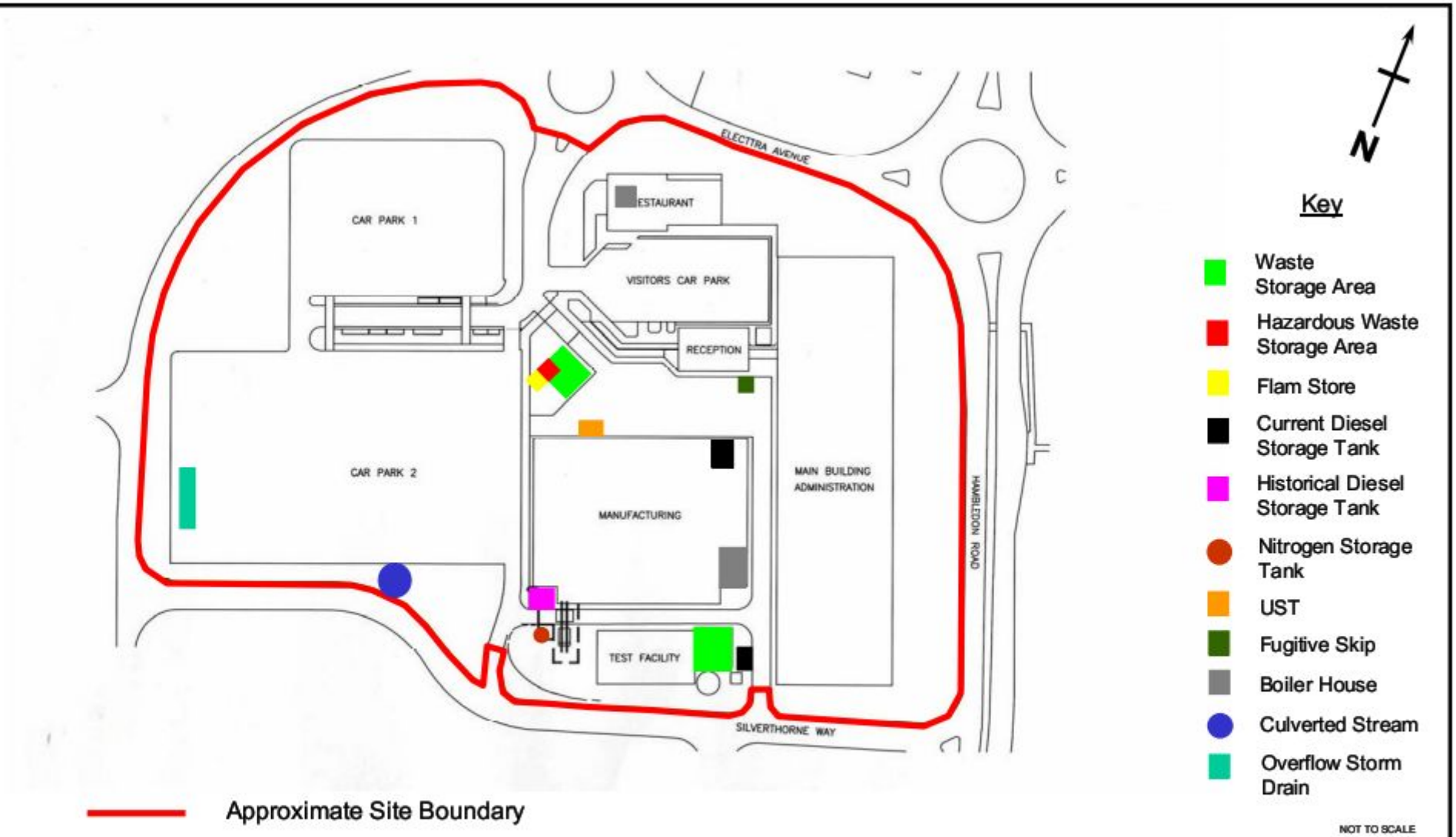


FIGURE TITLE :	Figure 5 – Annotated Site Plan
PROJECT :	BAE Systems Waterlooville
REPORT NUMBER :	B0054-00-R1-1

BAE SYSTEMS

Appendix 1

References

REFERENCES

Reference has been made to the following sources of information: -

Geological and Hydrogeological

OS Landranger Series of Great Britain, 2001. 1:50,000 scale, The Solent and Isle of Wight, Sheet 196.

BGS. 1998. 1:50,000 scale geological map of Fareham, Sheet No. 316, solid and drift edition.

Environment Agency. 1996. 1:100,000 scale groundwater vulnerability map of South Hants, Sheet 52.

BGS Boreholes SU60NE176 (BHs 2-13) and SU60NE244.

Environmental Setting

Envirocheck Report, Report Ref: 25381905_1_1, 20 May 2008.

Historical Mapping and Photographs

Title	Scale	Date
OS County Series Sheet 068_00	1:10,560	1880
OS County Series Sheet 076_00	1:10,560	1870
OS County Series Sheet 068_SW	1:10,560	1933
OS County Series Sheet 076_NW	1:10,560	1938
OS National Grid Series SU61SE	1:10,560	1962
OS National Grid Series SU60NE	1:10,560	1963
OS National Grid Series SU61SE	1:10,000	1992
OS National Grid Series SU60NE	1:10,000	1991
OS National Grid Series SU61SE	1:10,000	2000
OS National Grid Series SU60NE	1:10,000	2000
OS National Grid Series SU61SE	1:10,000	2008
OS National Grid Series SU60NE	1:10,000	2008
Aerial Photograph Ref: RAF/CPE/UK/2478	N/A	1948
Aerial Photograph Ref: OS/69258	N/A	1969
Aerial Photograph Ref: OS/88003	N/A	1988
Aerial Photograph Ref: N/A	N/A	2008

Legislation and Statutory Guidance

Part IIA Environmental Protection Act 1990

DEFRA Circular 01/2006 Environmental Protection Act 1990: Part 2A Contaminated Land. September 2006.

Contaminated Land (England) Regulations 2006 (SI 2006/1370).

Technical Guidance

BS10175:2001 - 'Investigation of Potentially Contaminated Sites'

DEFRA and EA (2001), 'Environment Agency guidelines to third parties on pollution of controlled waters for Part IIA of the EPA 1990'.

DEFRA and EA (2002) CLR 2 - 'Guidance on Preliminary Site Inspection of Contaminated Land'

DEFRA and EA (2002) CLR 3 - 'Documentary Research on Industrial Sites'

DEFRA and EA (2002) CLR 11 - 'Model Procedures for the Management of Land Contamination'.

DoE Industry Profiles

Appendix 2

Envirocheck Report

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Contents

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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 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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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1			4	3
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 2		1		3
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 3		Yes		
Pollution Incidents to Controlled Waters	pg 3			4	
Prosecutions Relating to Authorised Processes					
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances	pg 4		1		
River Quality	pg 4				2
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 4				(*2)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 4	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 4		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 5		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
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 6			1	
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
Registered Waste Transfer Sites	pg 6			1	
Registered Waste Treatment or Disposal Sites					

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS Recorded Mineral Sites					
BGS 1:625,000 Solid Geology	pg 7	Yes	n/a	n/a	n/a
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Natural and Mining Cavities					
Potential for Collapsible Ground Stability Hazards				n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 7	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 7	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 7	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Shallow Mining Hazards				n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 8		27	120	59
FuelStation Entries	pg 26		1		1

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Summary

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

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
1	**Discharge Consents** Operator: Hampshire Aerosols Property Type: General Construction Work Location: Plot 11, Brambles Farm North, WATERLOOVILLE , Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P03165 Permit Version: 1 Effective Date: 19th November 1990 Issued Date: 19th November 1990 Revocation Date: Not Supplied Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater River **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	294	1	467420 110100
2	**Discharge Consents** Operator: Bae Systems Electronics Ltd Property Type: Undefined Or Other Location: Brambles Farm, Waterlooville Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: N01167 Permit Version: 1 Effective Date: 7th September 1982 Issued Date: 7th September 1982 Revocation Date: Not Supplied Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater River **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	311	1	467360 109680
3	**Discharge Consents** Operator: Hopkins Recycling Ltd Property Type: Unspecified Tip Location: Waterlooville Hw Recycling Ctr, Hambledon Road, Waterlooville, Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: P09132 Permit Version: 1 Effective Date: 12th September 2000 Issued Date: 12th September 2000 Revocation Date: Not Supplied Discharge Type: Trade Effluent Discharge-Site Drainage Discharge Environment: Onto Land Receiving Water: Onto Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	319	1	467900 109750
4	**Discharge Consents** Operator: Jaiducts Ltd. Property Type: Industrial Parks & Estates Location: Units 13 & 14, Aston Road, Waterlooville, Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: H01132 Permit Version: 1 Effective Date: 30th December 1971 Issued Date: 30th December 1971 Revocation Date: 8th December 1992 Discharge Type: Trade Effluent Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater River **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A14NW (E)	417	1	468020 109920

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
5	**Discharge Consents** Operator: Asda Stores Property Type: Undefined Or Other Location: West Quadrant, Hambledon Rd/London Rd, WATERLOOVILLE , Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: N01251 Permit Version: 1 Effective Date: 6th December 1978 Issued Date: 6th December 1978 Revocation Date: 31st March 1997 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater River **Status: Lapsed (under Environment Act 1995, Schedule 23)** Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	587	1	467980 109420
6	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: Undefined Or Other Location: Forest End, Waterlooville Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P00032 Permit Version: 1 Effective Date: 27th March 1985 Issued Date: 27th March 1985 Revocation Date: 23rd August 1999 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater River **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A8NE (S)	664	1	467840 109250
7	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: Sewerage Network - Sewers - Water Company Location: Hambleton Road, Waterlooville Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: W00305 Permit Version: 1 Effective Date: 14th July 1977 Issued Date: 14th July 1977 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater River **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	690	1	467280 110480
8	**Local Authority Pollution Prevention and Controls** Name: Lomas Service Station Location: Ellettra Avenue, WATERLOOVILLE, Hampshire, PO7 7XS Authority: Havant Borough Council, Environmental Health Department Permit Reference: Epa1/17/98 Dated: 3rd March 1999 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Authorisation revokedRevoked** Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	133	2	467507 109961
9	**Local Authority Pollution Prevention and Controls** Name: The Laundrette Location: 12 Hambledon Road, Hambledon Parade, Waterlooville, Po7 6xe Authority: Havant Borough Council, Environmental Health Department Permit Reference: Not Supplied Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Application Not Yet Authorised** Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	772	2	467254 110559

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
10	**Local Authority Pollution Prevention and Controls** Name: Solent Cleaners Ltd Location: 2 Queens Parade, 121-123 London Road, Waterlooville, Po7 7eb Authority: Havant Borough Council, Environmental Health Department Permit Reference: HBC/IPPC/05/01964 Dated: 1st April 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Permitted** Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	783	2	468268 109454
11	**Local Authority Pollution Prevention and Controls** Name: Shell Waterlooville Location: 222 London Road, WATERLOOVILLE, Hampshire, PO7 7AA Authority: Havant Borough Council, Environmental Health Department Permit Reference: HBC/IPPC/05/00203 Dated: 4th September 1998 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station **Status: Permitted** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	890	2	468039 109094
	Nearest Surface Water Feature	A13SW (S)	88	-	467577 109788
12	**Pollution Incidents to Controlled Waters** Property Type: Industrial: Other Location: Brambles IndustrialEstate, WATERLOOVILLE Authority: Environment Agency, Southern Region Pollutant: Oils - Other Oil Note: Oil On Stream Incident Date: 14th September 1993 Incident Reference: 850 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Oils/Related Products Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (S)	288	1	467700 109600
12	**Pollution Incidents to Controlled Waters** Property Type: Industrial: Other Location: Sheepwash Farm Authority: Environment Agency, Southern Region Pollutant: Oils - Gas Oil Note: Oil In Sheepwash Tributory Incident Date: 22nd May 1996 Incident Reference: 796247 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Industrial - Other Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (S)	292	1	467700 109595
13	**Pollution Incidents to Controlled Waters** Property Type: Miscellaneous Premises: Unknown Location: Sheepwash Tributary, WATERLOOVILLE Authority: Environment Agency, Southern Region Pollutant: Oils - Gas Oil Note: Red Diesel In Stream Incident Date: 2nd March 1996 Incident Reference: 796091 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	334	1	467800 109600
13	**Pollution Incidents to Controlled Waters** Property Type: Industrial: Other Location: Down Stream , Waterlooville Industrial Estate Authority: Environment Agency, Southern Region Pollutant: Oils - Other Oil Note: Oil On The Stream And Unpleasant Odour Incident Date: 9th December 1998 Incident Reference: 798582 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Poor Operational Practice Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	338	1	467800 109595

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
14	**Registered Radioactive Substances** Name: Marconi Underwater Systems Ltd Location: Elettra Avenue, WATERLOOVILLE, PO7 7XS Authority: Scottish Environment Protection Agency, Head Office Permit Reference: IPB/3/3/165 Dated: 1st October 1985 Process Type: Registration under S10 RSA for the keeping and use of mobile Radioactive sources (was RSA60 S3) Description: Registration under S7 or S10 RSA for the keeping and use of radioactive material or apparatus for 1 or more tracer test sources dated pre April 1991 **Status: Not Given** Positional Accuracy: Manually positioned to the road within the address or location	A13SW (W)	152	3	467458 109833
	River Quality Name: Sheepwash Trib GQA Grade: River Quality C Reach: Wallington Conf - B2150 Estimated Distance (km): 5.5 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A12NE (NW)	515	1	467162 110133
	River Quality Name: Hermitage Strm GQA Grade: River Quality C Reach: Tidal Limit - Source Estimated Distance (km): 14.8 Flow Rate: Flow less than 0.62 cumecs Flow Type: River Year: 2000	A14SE (E)	825	1	468426 109790
	Water Abstractions Operator: M Sale Licence Number: 33.2/4 Permit Version: Not Supplied Location: Furzley Farm, DENMEAD Authority: Environment Agency, Southern Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 36 Yearly Rate (m3): 3240 Details: River Wallington & Lake 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	A16NW (NW)	1763	1	466000 110600
	Water Abstractions Operator: M Sale Licence Number: 28/032 Permit Version: 100 Location: River Wallington At Furzely Farm Lake, Denmead Authority: Environment Agency, Southern Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 36 Yearly Rate (m3): 3240 Details: See Licence Map Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 3rd October 1991 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A16NW (NW)	1793	1	466000 110670
	Groundwater Vulnerability Geological Classification: Non Aquifer (Negligibly permeable) - Formations which are generally regarded as containing insignificant quantities of groundwater. However, groundwater flow through such rocks, although imperceptible, does take place and needs to be considered in assessing the risk associated with persistent pollutants Soil Classification: Not classified Map Sheet: Sheet 52 Southern Hampshire Scale: 1:100,000	A12NE (W)	0	1	467199 110002
	Drift Deposits None				
	Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Boundary Accuracy: As Supplied	A13SW (SW)	179	1	467530 109709

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
	Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Boundary Accuracy: As Supplied	A13SW (SW)	179	1	467530 109709
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
15	**Licensed Waste Management Facilities (Locations)** Licence Number: 19984 Location: Hambledon Road, Waterlooville, Hampshire, PO7 7UL Operator Name: Hopkins Recycling Ltd Operator Location: Unit 10 Bridge Farm, Curbridge, Botley, Southampton, Hampshire, SO30 2HB Authority: Environment Agency - Southern Region, Hampshire and Isle of Wight Area Office Site Category: Household, Commercial And Industrial Transfer Stations **Licence Status: Transferred** Issued: 1st July 1993 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 (SE)	336	1	467900 109710
	Local Authority Landfill Coverage Name: Havant Borough Council - Has supplied landfill data		0	2	467581 109672
	Local Authority Landfill Coverage Name: Hampshire County Council - Had landfill data but passed it to the relevant environment agency		0	7	466795 106764
	Local Authority Landfill Coverage Name: Winchester City Council - Has supplied landfill data		201	6	467581 109672
16	**Registered Waste Transfer Sites** Licence Holder: Hampshire Recycling Ltd Licence Reference: HV 008A Site Location: Hambledon Road, WATERLOOVILLE, Hampshire, PO7 7UL Operator Location: Unit 10 Bridge Farm, Curbridge, Botley, SOUTHAMPTON, Hampshire, SO30 2HB Authority: Environment Agency - Southern Region, Hampshire Area Site Category: Civic Amenity Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Operational as far as is known Operational Dated: 18th May 1977 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Com. Waste Solely For Reuse/Recycling Maximum Waste Permitted By Licence Waste Deposited By Householders Prohibited Waste: Liq.Waste N.O.S. (Exc. Oils For Recyc) Special Wastes N.O.S. (Exc.H'Holders) Waste N.O.S.	A13SE (SE)	336	1	467900 109710

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: London Clay	A18SE (N)	0	4	467756 110547
	Coal Mining Affected Areas In an area which may not be affected by coal mining				
	Potential for Collapsible Ground Stability Hazards No Hazard				
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	4	467605 110000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	128	4	467605 110000
	Potential for Ground Dissolution Stability Hazards No Hazard				
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	4	467605 110000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	128	4	467605 110000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	4	467605 110000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	128	4	467605 110000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	186	4	467500 110025
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	4	467575 109872
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	30	4	467575 109872
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	128	4	467605 110000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	130	4	467625 110000
	Radon Potential - Radon Affected Areas Affected Area: The property is not in a radon affected area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	4	467605 110000
	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	A13NE (N)	0	4	467605 110000
	Shallow Mining Hazards No Hazard				

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
17	**Contemporary Trade Directory Entries** Name: G7 Computer Services Ltd Location: Elettra Av, Waterlooville, Hampshire, PO7 7XS Classification: Cash Registers & Check-Out Equipment **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A13NW (N)	120	-	467586 109990
18	**Contemporary Trade Directory Entries** Name: Rushdene Services Location: Waterlooville Service Station,Elettra Av, Waterlooville, Hampshire, PO7 7XW Classification: Petrol Filling Stations **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A13NE (N)	138	-	467636 110006
19	**Contemporary Trade Directory Entries** Name: Hi-Tech Mouldings Location: Tyak House, 4, Silverthorne Way, Waterlooville, Hampshire, PO7 7XY Classification: Plastics - Injection Moulding **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (S)	163	-	467565 109714
19	**Contemporary Trade Directory Entries** Name: Hi Tech Mouldings Ltd Location: Tyak House, 4, Silverthorne Way, Waterlooville, Hampshire, PO7 7XY Classification: Plastics - Injection Moulding **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (S)	163	-	467565 109714
20	**Contemporary Trade Directory Entries** Name: Telecall Ltd Location: 1, Stratfield Park, Elettra Avenue, Waterlooville, Hampshire, PO7 7XN Classification: Telecommunications Equipment & Systems **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	184	-	467454 109766
20	**Contemporary Trade Directory Entries** Name: Connector & Terminal Supplies Ltd Location: 2, Stratfield Park, Elettra Avenue, Waterlooville, Hampshire, PO7 7XN Classification: Electronic Component Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	186	-	467459 109758
20	**Contemporary Trade Directory Entries** Name: Southern Cross Packaging Location: 3, Stratfield Park, Elettra Avenue, Waterlooville, Hampshire, PO7 7XN Classification: Engineering Services **Status: Active** Positional Accuracy: Manually positioned to the address or location	A13SW (SW)	187	-	467464 109748
20	**Contemporary Trade Directory Entries** Name: Envirocare Services Ltd Location: 5, Stratfield Park, Elettra Avenue, Waterlooville, Hampshire, PO7 7XN Classification: Filter Manufacturers & Suppliers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	230	-	467430 109723
21	**Contemporary Trade Directory Entries** Name: W K B Toyota Location: 1, Elettra Avenue, Waterlooville, Hampshire, PO7 7XW Classification: Car Dealers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (N)	186	-	467613 110058
21	**Contemporary Trade Directory Entries** Name: Waterlooville Auto Centre Location: 1, Elettra Avenue, Waterlooville, Hampshire, PO7 7XW Classification: Car Dealers - Used **Status: Active** Positional Accuracy: Manually positioned to the address or location	A13NE (N)	186	-	467613 110058
21	**Contemporary Trade Directory Entries** Name: Lomas Ltd Location: Elettra Avenue, Waterlooville, Hampshire, PO7 7XW Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A13NW (N)	215	-	467598 110087
22	**Contemporary Trade Directory Entries** Name: Cemco Services Ltd Location: 1-2, Silverthorne Way, Waterlooville, Hampshire, PO7 7XB Classification: Printed Circuit Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	196	-	467773 109770

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
23	**Contemporary Trade Directory Entries** Name: Aa Service Centre Location: Hambledon Rd, Waterlooville, Hampshire, PO7 7UL Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13NE (E)	209	-	467812 109904
24	**Contemporary Trade Directory Entries** Name: Marine Travelift International Location: 12, Stratfield Park, Elettra Avenue, Waterlooville, Hampshire, PO7 7XN Classification: Marine Equipment & Supplies **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	217	-	467406 109785
24	**Contemporary Trade Directory Entries** Name: L & S Uk Location: 7, Pipers Wood Industrial Park, Waterberry Drive, Waterlooville, Hampshire, PO7 7XU Classification: Engines - Sales & Service **Status: Active** Positional Accuracy: Manually positioned to the address or location	A13SW (W)	218	-	467396 109811
24	**Contemporary Trade Directory Entries** Name: Jim Stokes Workshops Ltd Location: 7, Pipers Wood Industrial Park, Waterberry Drive, Waterlooville, Hampshire, PO7 7XU Classification: Classic Car Specialists **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (W)	218	-	467396 109811
24	**Contemporary Trade Directory Entries** Name: J C Dix Engineering Ltd Location: 14-15, Stratfield Park, Elettra Avenue, Waterlooville, Hampshire, PO7 7XN Classification: Precision Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (W)	232	-	467390 109786
24	**Contemporary Trade Directory Entries** Name: Hi-Tech Tooling Ltd Location: 14-15, Stratfield Park, Elettra Avenue, Waterlooville, Hampshire, PO7 7XN Classification: Tool Design, Manufacturers & Makers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (W)	232	-	467390 109786
24	**Contemporary Trade Directory Entries** Name: M G Automation Ltd Location: 16, Stratfield Park, Elettra Avenue, Waterlooville, Hampshire, PO7 7XN Classification: Automation Systems & Equipment **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	248	-	467376 109777
24	**Contemporary Trade Directory Entries** Name: Pneumatic Solutions International Location: 8, Stratfield Park, Elettra Avenue, Waterlooville, Hampshire, PO7 7XN Classification: Pneumatic Systems & Equipment **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	249	-	467391 109745
24	**Contemporary Trade Directory Entries** Name: Fleet Uk Location: 7, Stratfield Park, Elettra Avenue, Waterlooville, Hampshire, PO7 7XN Classification: Car Dealers - Used **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	257	-	467386 109738
24	**Contemporary Trade Directory Entries** Name: Fleet Uk Com Location: 7, Stratfield Park, Elettra Avenue, Waterlooville, Hampshire, PO7 7XN Classification: Car Dealers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	257	-	467386 109738
24	**Contemporary Trade Directory Entries** Name: Archfact Ltd Location: 10, Pipers Wood Industrial Park, Waterberry Drive, Waterlooville, Hampshire, PO7 7XU Classification: Precision Engineers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (W)	270	-	467350 109784

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
25381905_1_1

Customer Reference:
B0054/00 - Waterlooville

National Grid Reference:
467610, 109870

Slice:
A

Site Area (Ha):
0.01

Search Buffer (m):
1000

Site Details:

Site at
Waterlooville
Hampshire

Client Details:

Mr M Carter
Bae Systems Environmental Services
Environmental Services
Westcott Venture Park
Westcott (Bldg 330)
Aylesbury
HP18 0NP

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
25	**Contemporary Trade Directory Entries** Name: Solent Refrigeration & Hvac Ltd Location: Unit 1, Mornington Place, Waterberry Drive, Waterlooville, Hampshire, PO7 7XX Classification: Air Conditioning & Refrigeration Contractors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	222	-	467410 109978
25	**Contemporary Trade Directory Entries** Name: H V A C Contractors Location: Unit 1, Mornington Place, Waterberry Drive, Waterlooville, Hampshire, PO7 7XX Classification: Air Conditioning & Refrigeration Contractors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	222	-	467410 109978
25	**Contemporary Trade Directory Entries** Name: Solent Refrigeration Location: Unit 1, Mornington Place, Waterberry Drive, Waterlooville, Hampshire, PO7 7XX Classification: Refrigeration Equipment - Commercial **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	222	-	467410 109978
26	**Contemporary Trade Directory Entries** Name: Anglepoise Ltd Location: 4-6, Stratfield Park, Elettra Avenue, Waterlooville, Hampshire, PO7 7XN Classification: Lighting Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	237	-	467424 109719
27	**Contemporary Trade Directory Entries** Name: Talking Plastics Ltd Location: 3, Pipers Wood Industrial Park, Waterberry Drive, Waterlooville, Hampshire, PO7 7XU Classification: Plastic Products - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (W)	238	-	467367 109874
27	**Contemporary Trade Directory Entries** Name: A Healey Office Equipment Ltd Location: 2, The Meadows, Waterberry Drive, Waterlooville, Hampshire, PO7 7XX Classification: Office Furniture & Equipment **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (W)	246	-	467360 109896
27	**Contemporary Trade Directory Entries** Name: Solent Manufacturing Ltd Location: 4-5, Pipers Wood Industrial Park, Waterberry Drive, Waterlooville, Hampshire, PO7 7XU Classification: Sheet MetalWork **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (W)	255	-	467350 109862
27	**Contemporary Trade Directory Entries** Name: Data Display Uk Ltd Location: 3, The Meadows, Waterberry Drive, Waterlooville, Hampshire, PO7 7XX Classification: Electronic Equipment - Manufacturers & Assemblers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (W)	275	-	467330 109879
27	**Contemporary Trade Directory Entries** Name: Data Display Ltd Location: 3, The Meadows, Waterberry Drive, Waterlooville, Hampshire, PO7 7XX Classification: Electronic Component Manufacturers & Distributors **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (W)	275	-	467330 109879
28	**Contemporary Trade Directory Entries** Name: Supreme Petfoods Ltd Location: Supreme House, 12, The Briars, Waterberry Drive, Waterlooville, Hampshire, PO7 7YH Classification: Pet Foods & Animal Feeds **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	239	-	467451 110055
28	**Contemporary Trade Directory Entries** Name: Kongsberg Maritime Ltd Location: 14, The Briars, Waterberry Drive, Waterlooville, Hampshire, PO7 7YH Classification: Marine Electrical & Electronic Equipment Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	255	-	467462 110083

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
28	**Contemporary Trade Directory Entries** Name: Popping Tins Ltd Location: 20b, Picton House, Hussar Court, Westside View, Waterlooville, Hampshire, PO7 7SQ Classification: Vending Machine Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	284	-	467411 110079
29	**Contemporary Trade Directory Entries** Name: Gen Plus Ltd Location: 2, Relay Road, WATERLOOVILLE, Hampshire, PO7 7XA Classification: Pharmaceutical Manufacturers & Distributors **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	260	-	467808 109709
29	**Contemporary Trade Directory Entries** Name: Solent Mould Tools Ltd Location: 1, Relay Road, Waterlooville, Hampshire, PO7 7XA Classification: Tool Design, Manufacturers & Makers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	260	-	467808 109709
30	**Contemporary Trade Directory Entries** Name: Circuit Supply Ltd Location: 28, Aston Road, Waterlooville, Hampshire, PO7 7XJ Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	265	-	467832 110009
30	**Contemporary Trade Directory Entries** Name: The West Group Ltd Location: 29, Aston Road, Waterlooville, Hampshire, PO7 7XJ Classification: Pneumatic Systems & Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	266	-	467824 110024
30	**Contemporary Trade Directory Entries** Name: The West Group Location: 29, Aston Road, Waterlooville, Hampshire, PO7 7XJ Classification: Pneumatic Systems & Equipment **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	266	-	467824 110024
30	**Contemporary Trade Directory Entries** Name: C B A Domestics Location: 9, Fennell Close, Waterlooville, Hampshire, PO7 7XH Classification: Vacuum Cleaners - Sales & Service **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	274	-	467812 110053
31	**Contemporary Trade Directory Entries** Name: Bigneat Ltd Location: 4-5, Pipers Wood Industrial Park, Waterberry Drive, Waterlooville, Hampshire, PO7 7XU Classification: Filtration Systems & Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (W)	272	-	467334 109851
32	**Contemporary Trade Directory Entries** Name: Capita Installations & Services Location: 21a, Picton House, Hussar Court, Westside View, Waterlooville, Hampshire, PO7 7SQ Classification: Builders' Merchants **Status: Active** Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	284	-	467404 110073
32	**Contemporary Trade Directory Entries** Name: Powertec (Hvac & Electrical) Ltd Location: 22a, Picton House, Hussar Court, Westside View, Waterlooville, Hampshire, PO7 7SQ Classification: Air Conditioning & Refrigeration Contractors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	286	-	467396 110067
32	**Contemporary Trade Directory Entries** Name: Casella Spectrascan Location: 23b-25, Picton House, Hussar Court, Westside View, Waterlooville, Hampshire, PO7 7SQ Classification: Electronic Equipment - Manufacturers & Assemblers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	298	-	467368 110051

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
32	**Contemporary Trade Directory Entries** Name: H Scientific Ltd Location: 1, Lancer House, Hussar Court, Westside View, Waterlooville, Hampshire, PO7 7SE Classification: Marine Electrical & Electronic Equipment Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	325	-	467327 110040
33	**Contemporary Trade Directory Entries** Name: Motor Vehicle Maintenance Location: 25, Aston Road, Waterlooville, Hampshire, PO7 7XJ Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (E)	290	-	467888 109936
33	**Contemporary Trade Directory Entries** Name: Southern Sealed Units & Glass Ltd Location: Unit 24/25, The Parkwood Centre, Aston Road, Waterlooville, Hampshire, PO7 7HT Classification: Window Frame Manufacturers' Equipment **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (E)	290	-	467888 109936
33	**Contemporary Trade Directory Entries** Name: Spirit Circuits Location: 22-24, Aston Road, Waterlooville, Hampshire, PO7 7XJ Classification: Printed Circuit Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (E)	304	-	467907 109903
33	**Contemporary Trade Directory Entries** Name: Kathglade Ltd Location: 20, Aston Road, Waterlooville, Hampshire, PO7 7XE Classification: Precision Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (E)	320	-	467926 109862
34	**Contemporary Trade Directory Entries** Name: Southern Co-Operative Dairies Ltd Location: Aston Rd, Waterlooville, Hampshire, PO7 7RH Classification: Dairies **Status: Inactive** Positional Accuracy: Manually positioned to the road withinthe address or location	A13NE (E)	316	-	467914 109938
34	**Contemporary Trade Directory Entries** Name: Commercial Linen Location: 46, Aston Road, Waterlooville, Hampshire, PO7 7XJ Classification: Disability Equipment - Manufacturers & Suppliers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (E)	323	-	467907 109986
34	**Contemporary Trade Directory Entries** Name: Hughes Bros Location: 39, Aston Road, Waterlooville, Hampshire, PO7 7XF Classification: Glass Fibre Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	351	-	467921 110026
35	**Contemporary Trade Directory Entries** Name: Davage Welding Location: 33, Aston Road, Waterlooville, Hampshire, PO7 7XQ Classification: Engineers - General **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	325	-	467847 110089
35	**Contemporary Trade Directory Entries** Name: Timbervision Location: 34, Aston Road, Waterlooville, Hampshire, PO7 7XQ Classification: Cabinet Makers **Status: Active** Positional Accuracy: Manually positioned to the address or location	A13NE (NE)	329	-	467842 110101
35	**Contemporary Trade Directory Entries** Name: Screen Print Promotions Ltd Location: 34b, Aston Road, Waterlooville, Hampshire, PO7 7XQ Classification: T-Shirts **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	344	-	467857 110106

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
35	**Contemporary Trade Directory Entries** Name: Venture-Flex Ltd Location: 34e, Aston Road, Waterlooville, Hampshire, PO7 7XQ Classification: Hose, Tubing & Fittings **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	362	-	467871 110119
35	**Contemporary Trade Directory Entries** Name: Waterlooville Exhaust Centre Location: 34f, Aston Road, Waterlooville, Hampshire, PO7 7XQ Classification: Exhaust System Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	369	-	467876 110124
35	**Contemporary Trade Directory Entries** Name: Flowsea lLtd Location: 34g-34h, Aston Road, Waterlooville, Hampshire, PO7 7XQ Classification: Seal & Joint Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	370	-	467868 110133
36	**Contemporary Trade Directory Entries** Name: Sprintprint Location: Regent House, Aston Road, Waterlooville, Hampshire, PO7 7UD Classification: Printers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (E)	325	-	467920 109788
36	**Contemporary Trade Directory Entries** Name: Sprintprint Location: Regent House, Aston Road, Waterlooville, Hampshire, PO7 7UD Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (E)	325	-	467920 109788
37	**Contemporary Trade Directory Entries** Name: Southbourne Rubber Co Ltd Location: 47, Aston Road, Waterlooville, Hampshire, PO7 7XJ Classification: Rubber & Plastic Products - Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	326	-	467875 110054
37	**Contemporary Trade Directory Entries** Name: Acme Printing Co Ltd Location: 37, Aston Road, Waterlooville, Hampshire, PO7 7XF Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	349	-	467904 110053
37	**Contemporary Trade Directory Entries** Name: Acme Printing Co Ltd Location: 37, Aston Road, Waterlooville, Hampshire, PO7 7XF Classification: Printers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	349	-	467904 110053
37	**Contemporary Trade Directory Entries** Name: Steve Jackson Pump Services Ltd Location: 38a, Aston Road, Waterlooville, Hampshire, PO7 7XF Classification: Pumps - Sales, Servicing & Repairs **Status: Active** Positional Accuracy: Manually positioned to the address or location	A13NE (NE)	350	-	467912 110041
37	**Contemporary Trade Directory Entries** Name: A W Motor Co Ltd Location: 38, Aston Road, Waterlooville, Hampshire, PO7 7XF Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	350	-	467912 110041
37	**Contemporary Trade Directory Entries** Name: Waterlooville Motor Co Location: 36, Aston Road, Waterlooville, Hampshire, PO7 7XF Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	362	-	467905 110074
38	**Contemporary Trade Directory Entries** Name: Pegasus Ltd Location: Pegasus House, Waterberry Drive, Waterlooville, Hampshire, PO7 7XX Classification: Medical Equipment Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (W)	333	-	467285 109962

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
39	**Contemporary Trade Directory Entries** Name: Closewood Air Conditioning Ltd Location: 5, Lancer House, Hussar Court, Westside View, Waterlooville, Hampshire, PO7 7SE Classification: Air Conditioning & Refrigeration Contractors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	354	-	467320 110082
40	**Contemporary Trade Directory Entries** Name: L W & T (Engineering Co) Ltd Location: 42, Aston Road, Waterlooville, Hampshire, PO7 7XG Classification: Precision Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	365	-	467945 110004
40	**Contemporary Trade Directory Entries** Name: Fastright Engineering Location: 42, Aston Road, Waterlooville, Hampshire, PO7 7XG Classification: Precision Engineers **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (E)	365	-	467945 110004
41	**Contemporary Trade Directory Entries** Name: D & E Publishing Location: 10, Dragoon House, Hussar Court, Westside View, Waterlooville, Hampshire, PO7 7SF Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	368	-	467355 110142
41	**Contemporary Trade Directory Entries** Name: Euro-Electronic Services Ltd Location: Dragoon House,Hussar Ct,Westside View, Waterlooville, Hampshire, PO7 7SQ Classification: Printed Circuit Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	369	-	467354 110142
42	**Contemporary Trade Directory Entries** Name: Ballard & Bailey Location: Unit 5-6,19 Aston Road, Waterlooville, Hampshire, PO7 7XG Classification: Fireplaces & Mantelpieces **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14NW (E)	368	-	467970 109922
42	**Contemporary Trade Directory Entries** Name: Malcolm J Davis Location: Unit 4, 19, Aston Road, Waterlooville, Hampshire, PO7 7XG Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (E)	370	-	467971 109923
42	**Contemporary Trade Directory Entries** Name: Aston Plot Services Ltd Location: Unit 5, 19, Aston Road, Waterlooville, Hampshire, PO7 7XG Classification: Printed Circuit Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14NW (E)	370	-	467971 109923
42	**Contemporary Trade Directory Entries** Name: Soprema (Uk) Ltd Location: Unit 2, 19c, Aston Road, Waterlooville, Hampshire, PO7 7XE Classification: Waterproof Material Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	370	-	467971 109923
42	**Contemporary Trade Directory Entries** Name: Robin Hood Coachbuilders Ltd Location: 19, Aston Road, Waterlooville, Hampshire, PO7 7XE Classification: Commercial Vehicle Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	370	-	467971 109923
42	**Contemporary Trade Directory Entries** Name: Tectonics Location: 19, Aston Road, Waterlooville, Hampshire, PO7 7XE Classification: Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (E)	370	-	467971 109923

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
42	**Contemporary Trade Directory Entries** Name: Jenag Equipment Filtration Engineers Location: 17, Aston Road, Waterlooville, Hampshire, PO7 7XG Classification: Engineers - General **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	394	-	467988 109964
42	**Contemporary Trade Directory Entries** Name: Charter Blinds Location: 7, Jubilee Business Centre, Aston Road, Waterlooville, Hampshire, PO7 7XD Classification: Blinds, Awnings & Canopies **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (E)	405	-	468009 109903
42	**Contemporary Trade Directory Entries** Name: Crisp Air Location: 3, Jubilee Business Centre, Aston Road, Waterlooville, Hampshire, PO7 7XD Classification: Blinds, Awnings & Canopies **Status: Active** Positional Accuracy: Manually positioned to the address or location	A14NW (E)	405	-	468009 109903
42	**Contemporary Trade Directory Entries** Name: Solent Sewing Machines Ltd Location: 5, Jubilee Business Centre, Aston Road, Waterlooville, Hampshire, PO7 7XD Classification: Sewing Machines - Industrial **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	405	-	468009 109903
43	**Contemporary Trade Directory Entries** Name: Waterlooville Motor Co Mechanical Location: 41, Aston Road, Waterlooville, Hampshire, PO7 7XG Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (E)	372	-	467957 109996
43	**Contemporary Trade Directory Entries** Name: Car Cosmetics Location: 10a, Aston Road, Waterlooville, Hampshire, PO7 7XG Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	408	-	467984 110024
43	**Contemporary Trade Directory Entries** Name: Dfe Ltd Location: 10, Aston Road, Waterlooville, Hampshire, PO7 7XG Classification: Engineers - General **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	415	-	467988 110034
43	**Contemporary Trade Directory Entries** Name: Alma Garage Location: 10, Aston Road, Waterlooville, Hampshire, PO7 7XG Classification: Garage Services **Status: Active** Positional Accuracy: Manually positioned to the address or location	A14NW (NE)	415	-	467988 110034
43	**Contemporary Trade Directory Entries** Name: Aston Car Co Ltd Location: 10, Aston Road, Waterlooville, Hampshire, PO7 7XG Classification: Mot Testing Centres **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	415	-	467988 110034
43	**Contemporary Trade Directory Entries** Name: Waterlooville Crash Repair Centre Location: 10, Aston Road, Waterlooville, Hampshire, PO7 7XG Classification: Car Body Repairs **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	415	-	467988 110034
43	**Contemporary Trade Directory Entries** Name: Miniature Location: 10, Aston Road, Waterlooville, Hampshire, PO7 7XG Classification: Pneumatic Engineers **Status: Active** Positional Accuracy: Manually positioned to the address or location	A14NW (NE)	415	-	467988 110034
43	**Contemporary Trade Directory Entries** Name: Martin Goddard Engineering Ltd Location: 12, Aston Road, Waterlooville, Hampshire, PO7 7XG Classification: Sheet MetalWork **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (E)	434	-	468012 110023

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
43	**Contemporary Trade Directory Entries** Name: A C Redman Metal Spinnings Ltd Location: Unit 10, ChurchillYard Industrial Estate, Jubilee Road, Waterlooville, Hampshire, PO7 7RF Classification: Metal Spinners **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	436	-	468005 110045
43	**Contemporary Trade Directory Entries** Name: M.E.B Fabrications Ltd Location: Churchill Yard Industrial Estate, Jubilee Road, Waterlooville, Hampshire, PO7 7RF Classification: Metal Products - Fabricated **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	437	-	468001 110057
43	**Contemporary Trade Directory Entries** Name: F & S Engineering Ltd Location: 13-14, Aston Road, Waterlooville, Hampshire, PO7 7XG Classification: Sheet MetalWork **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	439	-	468022 110009
43	**Contemporary Trade Directory Entries** Name: Lines Engineering Location: Churchill Yard Industrial Estate, Jubilee Road, Waterlooville, Hampshire, PO7 7RF Classification: Precision Engineers **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	441	-	468012 110043
43	**Contemporary Trade Directory Entries** Name: Goble Engineering Ltd Location: Churchill Yard Industrial Estate, Jubilee Road, Waterlooville, Hampshire, PO7 7RF Classification: Precision Engineers **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	448	-	468003 110080
43	**Contemporary Trade Directory Entries** Name: L S Autos Location: Unit 4, Churchill Yard Industrial Estate, Jubilee Road, Waterlooville, Hampshire, PO7 7RF Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (E)	458	-	468034 110032
43	**Contemporary Trade Directory Entries** Name: Agtool Engineering Ltd Location: Jubilee Road, Waterlooville, Hampshire, PO7 7RE Classification: Plastics - Injection Moulding **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	462	-	468028 110060
43	**Contemporary Trade Directory Entries** Name: Clarks Auto Service Location: Jubilee Road, Waterlooville, Hampshire, PO7 7RE Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	462	-	468028 110060
44	**Contemporary Trade Directory Entries** Name: Barlow Engineering Ltd Location: Unit 27, The Parkwood Centre, Aston Road, Waterlooville, Hampshire, PO7 7HT Classification: Tool Design, Manufacturers & Makers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	396	-	467998 109819
44	**Contemporary Trade Directory Entries** Name: Xpress Promotions Ltd Location: Unit 26, The Parkwood Centre, Aston Road, Waterlooville, Hampshire, PO7 7HT Classification: T-Shirts **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SW (E)	411	-	468012 109809

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
44	**Contemporary Trade Directory Entries** Name: Carouse lTee Shirt Printers Location: Unit 26, The Parkwood Centre, Aston Road, Waterlooville, Hampshire, PO7 7HT Classification: T-Shirts **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	411	-	468012 109809
44	**Contemporary Trade Directory Entries** Name: United Coating Ltd Location: Unit 28,The Parkwood Centre,Aston Rd, Waterlooville, Hampshire, PO7 7HT Classification: Metal Finishing Services **Status: Active** Positional Accuracy: Manually positioned within the geographicallocality	A14SW (E)	416	-	468019 109830
44	**Contemporary Trade Directory Entries** Name: A S Precision Engineering Ltd Location: Unit 12, The Parkwood Centre, Aston Road, Waterlooville, Hampshire, PO7 7HT Classification: Precision Engineers **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SW (E)	451	-	468054 109823
45	**Contemporary Trade Directory Entries** Name: Manhattan Home & Conservatory Blinds Location: 45, Brambles Enterprise Centre, Waterberry Drive, Waterlooville, Hampshire, PO7 7TH Classification: Blinds, Awnings & Canopies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	402	-	467318 110154
45	**Contemporary Trade Directory Entries** Name: Onnic Location: 12, Brambles Enterprise Centre, Waterberry Drive, Waterlooville, Hampshire, PO7 7TH Classification: Gas - Industrial & Medical Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	416	-	467285 110138
45	**Contemporary Trade Directory Entries** Name: C J H Location: 12, Brambles Enterprise Centre, Waterberry Drive, Waterlooville, Hampshire, PO7 7TH Classification: Road Haulage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	416	-	467285 110138
45	**Contemporary Trade Directory Entries** Name: Salon Originals Ltd Location: 2, Brambles Enterprise Centre, Waterberry Drive, Waterlooville, Hampshire, PO7 7TH Classification: Cosmetic Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	416	-	467285 110138
45	**Contemporary Trade Directory Entries** Name: Alliance (Uk) Cleaning Services Ltd Location: Suite 21,Brambles Business Centre,Hussar Ct,Westside View, Waterlooville, Hampshire, PO7 7SG Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Manually positioned within the geographicallocality	A13NW (NW)	440	-	467274 110161
46	**Contemporary Trade Directory Entries** Name: Thomas Sanderson Ltd Location: Tileasy House, Waterberry Drive, Waterlooville, Hampshire, PO7 7UW Classification: Blinds, Awnings & Canopies **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	407	-	467255 110080
47	**Contemporary Trade Directory Entries** Name: Sunlight Plastics Ltd Location: 15, Aston Road, WATERLOOVILLE, Hampshire, PO7 7XG Classification: Plastic Products - Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (E)	407	-	467998 109980
47	**Contemporary Trade Directory Entries** Name: Sunlight Plastics Ltd Location: 15, Aston Road, Waterlooville, Hampshire, PO7 7XG Classification: Plastic Products - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	407	-	467998 109980

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
47	**Contemporary Trade Directory Entries** Name: A P S Pest Control Ltd Location: 16, Aston Road, Waterlooville, Hampshire, PO7 7XG Classification: Pest & Vermin Control **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14NW (E)	435	-	468032 109955
48	**Contemporary Trade Directory Entries** Name: Electrical Design Services Location: Unit 1, The Parkwood Centre, Aston Road, Waterlooville, Hampshire, PO7 7HT Classification: Electronic Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	417	-	468022 109862
48	**Contemporary Trade Directory Entries** Name: Amba Dockside Technology Ltd Location: Unit 1, The Parkwood Centre, Aston Road, Waterlooville, Hampshire, PO7 7HT Classification: Gear Cutters **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SW (E)	417	-	468022 109862
48	**Contemporary Trade Directory Entries** Name: Carbmax (Uk) Ltd Location: Unit 1, The Parkwood Centre, Aston Road, Waterlooville, Hampshire, PO7 7HT Classification: Cutting Tools & Machinery **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SW (E)	418	-	468024 109866
48	**Contemporary Trade Directory Entries** Name: Aes Environmental Systems Location: Unit 8, The Parkwood Centre, Aston Road, Waterlooville, Hampshire, PO7 7HT Classification: Air Conditioning Equipment & Systems **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	442	-	468047 109856
48	**Contemporary Trade Directory Entries** Name: Artyzan Press Location: Unit 9,11,The Parkwood Centre,Aston Rd, Waterlooville, Hampshire, PO7 7HT Classification: Printers **Status: Active** Positional Accuracy: Manually positioned to the address or location	A14SW (E)	450	-	468055 109852
49	**Contemporary Trade Directory Entries** Name: Hampshire Cosmetics Ltd Location: Brambles House, Waterberry Drive, Waterlooville, Hampshire, PO7 7UW Classification: Cosmetic Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	428	-	467406 110250
50	**Contemporary Trade Directory Entries** Name: S C Bus & Coach Builders Ltd Location: Hambledon Road, Waterlooville, Hampshire, PO7 7UA Classification: Commercial Vehicle Bodybuilders & Repairers **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SW (E)	439	-	468014 109710
51	**Contemporary Trade Directory Entries** Name: Brambles Textiles Location: 20, Brambles Enterprise Centre, Waterberry Drive, Waterlooville, Hampshire, PO7 7TH Classification: Textile Manufacturing **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	442	-	467255 110143
51	**Contemporary Trade Directory Entries** Name: Snobz Corsets Location: 20, Brambles Enterprise Centre, Waterberry Drive, Waterlooville, Hampshire, PO7 7TH Classification: Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	442	-	467255 110143
51	**Contemporary Trade Directory Entries** Name: P C Partners Computers Ltd Location: 25, Brambles Enterprise Centre, Waterberry Drive, Waterlooville, Hampshire, PO7 7TH Classification: Computer Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	468	-	467251 110178

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
51	**Contemporary Trade Directory Entries** Name: P & I Generators Limited Location: Unit 26 Brambles Enterprise Centre,Waterberry Dr, Waterlooville, Hampshire, PO7 7TH Classification: Generators - Sales & Service **Status: Active** Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	475	-	467250 110188
52	**Contemporary Trade Directory Entries** Name: All Ink Ltd Location: 30, Brambles Enterprise Centre, Waterberry Drive, Waterlooville, Hampshire, PO7 7TH Classification: Printers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	444	-	467298 110192
52	**Contemporary Trade Directory Entries** Name: The Cladding Man Ltd Location: 31, Brambles Enterprise Centre, Waterberry Drive, Waterlooville, Hampshire, PO7 7TH Classification: Cladding Suppliers & Installers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	444	-	467298 110192
52	**Contemporary Trade Directory Entries** Name: All Inc Ltd Location: 30, Brambles Enterprise Centre, Waterberry Drive, Waterlooville, Hampshire, PO7 7TH Classification: Printers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	444	-	467298 110192
52	**Contemporary Trade Directory Entries** Name: Complete Filtration Solutions Ltd Location: 34, Brambles Enterprise Centre, Waterberry Drive, Waterlooville, Hampshire, PO7 7TH Classification: Filter Manufacturers & Suppliers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	444	-	467298 110192
52	**Contemporary Trade Directory Entries** Name: Smithfield Printing Co Ltd Location: 33, Brambles Enterprise Centre, Waterberry Drive, Waterlooville, Hampshire, PO7 7TH Classification: Printers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	444	-	467298 110192
52	**Contemporary Trade Directory Entries** Name: Selectrode Welding Supplies Location: 34, Brambles Enterprise Centre, Waterberry Drive, Waterlooville, Hampshire, PO7 7TH Classification: Welding Equipment - Sales & Service **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	444	-	467298 110192
52	**Contemporary Trade Directory Entries** Name: Deckland Precision Tools Location: 36, Brambles Enterprise Centre, Waterberry Drive, Waterlooville, Hampshire, PO7 7TH Classification: Engineers - General **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	444	-	467298 110192
53	**Contemporary Trade Directory Entries** Name: Westerly Group Ltd Location: 1-2, Aston Road, Waterlooville, Hampshire, PO7 7UX Classification: Boatbuilders & Repairers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	450	-	467950 110160
54	**Contemporary Trade Directory Entries** Name: Roofline Installations Location: Unit 9/11, The Parkwood Centre, Aston Road, Waterlooville, Hampshire, PO7 7HT Classification: Fascias and Soffits **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	460	-	468064 109847

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
54	**Contemporary Trade Directory Entries** Name: DM Precision Ltd Location: Unit 4, Aysgarth Road, Waterlooville, Hampshire, PO7 7UG Classification: Precision Engineers **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SW (E)	490	-	468091 109807
54	**Contemporary Trade Directory Entries** Name: Apricorn Systems Ltd Location: Unit 4/5, Aysgarth Road, Waterlooville, Hampshire, PO7 7UG Classification: Electronic Equipment - Manufacturers & Assemblers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	490	-	468091 109807
54	**Contemporary Trade Directory Entries** Name: Action Pumps Ltd Location: Unit 5,Aysgarth Rd, Waterlooville, Hampshire, PO7 7UG Classification: Pumps - Sales, Servicing & Repairs **Status: Active** Positional Accuracy: Manually positioned to the address or location	A14SW (E)	491	-	468094 109822
54	**Contemporary Trade Directory Entries** Name: Wood Solutions Ltd Location: Unit 3, Aysgarth Road, Waterlooville, Hampshire, PO7 7UG Classification: Joinery Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	493	-	468089 109773
54	**Contemporary Trade Directory Entries** Name: Atlas Vehicle Conversions Location: Unit 3, Aysgarth Road, Waterlooville, Hampshire, PO7 7UG Classification: Disability Equipment - Manufacturers & Suppliers **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SW (E)	493	-	468089 109773
55	**Contemporary Trade Directory Entries** Name: Ultra Press Location: Unit 15,Churchill Yard Ind Est,Jubilee Rd, Waterlooville, Hampshire, PO7 7RF Classification: Printers **Status: Inactive** Positional Accuracy: Manually positioned within the geographicallocality	A14NW (E)	464	-	468048 110011
55	**Contemporary Trade Directory Entries** Name: Ultra Press Location: Unit 15,Churchill Yard Ind Est,Jubilee Rd, Waterlooville, Hampshire, PO7 7RF Classification: Printers **Status: Inactive** Positional Accuracy: Manually positioned within the geographicallocality	A14NW (E)	464	-	468048 110011
55	**Contemporary Trade Directory Entries** Name: Ultra Press Location: 15 Churchill Yard Ind Est,Jubilee Rd, Waterlooville, Hampshire, PO7 7RF Classification: Printers **Status: Inactive** Positional Accuracy: Manually positioned within the geographicallocality	A14NW (E)	466	-	468039 110042
55	**Contemporary Trade Directory Entries** Name: A Perfect Impression Location: Unit 15,Churchill Yard Ind Est,Jubilee Rd, Waterlooville, Hampshire, PO7 7RF Classification: Printers **Status: Active** Positional Accuracy: Manually positioned within the geographicallocality	A14NW (E)	475	-	468052 110034
55	**Contemporary Trade Directory Entries** Name: Alliance (Uk) Cleaning Location: 57, Jubilee Road, Waterlooville, Hampshire, PO7 7RE Classification: Commercial Cleaning Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	480	-	468039 110078
55	**Contemporary Trade Directory Entries** Name: Alliance Uk Cleaning Services Location: 57, Jubilee Road, Waterlooville, Hampshire, PO7 7RE Classification: Commercial Cleaning Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	480	-	468039 110078
55	**Contemporary Trade Directory Entries** Name: Skeens Precision Engineering Ltd Location: 55-55a, Jubilee Road, Waterlooville, Hampshire, PO7 7RE Classification: Precision Engineers **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	500	-	468067 110064

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
55	**Contemporary Trade Directory Entries** Name: A. D. S. Precision Engineering Ltd Location: A, 53, Jubilee Road, Waterlooville, Hampshire, PO7 7RE Classification: Precision Engineers **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (E)	517	-	468090 110054
56	**Contemporary Trade Directory Entries** Name: Spm Controls Location: 29, Brambles Enterprise Centre, Waterberry Drive, Waterlooville, Hampshire, PO7 7TH Classification: Machinery - Industrial & Commercial **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	477	-	467262 110204
57	**Contemporary Trade Directory Entries** Name: Ultra Press Ltd Location: Unit 15,Churchill Yard Ind Est,Jubilee Rd, Waterlooville, Hampshire, PO7 7RF Classification: Printers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A14NW (NE)	489	-	468040 110096
57	**Contemporary Trade Directory Entries** Name: Waterlooville Fabrications Location: Unit 5,Churchill Yard,Jubilee Rd, Waterlooville, Hampshire, PO7 7RE Classification: Sheet Metal Work **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A14NW (NE)	507	-	468066 110083
57	**Contemporary Trade Directory Entries** Name: Tabelek Control Systems Ltd Location: Jubilee Rd, Waterlooville, Hampshire, PO7 7RE Classification: Electronic Engineers **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A14NW (E)	524	-	468090 110071
57	**Contemporary Trade Directory Entries** Name: Speedcut Location: 88, Jubilee Road, Waterlooville, Hampshire, PO7 7RE Classification: Precision Engineers **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	529	-	468086 110093
58	**Contemporary Trade Directory Entries** Name: Lantrax Ltd Location: Unit 3, Aysgarth Road, Waterlooville, Hampshire, PO7 7UG Classification: Printed Circuit Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (SE)	513	-	468049 109615
58	**Contemporary Trade Directory Entries** Name: Solent Printers Ltd Location: Aysgarth Rd, Waterlooville, Hampshire, PO7 7UG Classification: Printers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14SW (SE)	513	-	468049 109614
59	**Contemporary Trade Directory Entries** Name: Tempera-Tec Ltd Location: 8, Charlesworth Drive, Waterlooville, Hampshire, PO7 6AS Classification: Air Conditioning & Refrigeration Contractors **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SW (N)	523	-	467484 110380
60	**Contemporary Trade Directory Entries** Name: P M Lighting Location: Victoria Ho,Aysgarth Rd, Waterlooville, Hampshire, PO7 7UG Classification: Lighting Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A14SW (E)	526	-	468102 109697
61	**Contemporary Trade Directory Entries** Name: Mainance Engineering Ltd Location: 7, Arnside Road, Waterlooville, Hampshire, PO7 7UP Classification: Mechanical Engineers **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SW (E)	560	-	468153 109756
61	**Contemporary Trade Directory Entries** Name: Repro Engineering Ltd Location: Unit 6, Aysgarth Road, Waterlooville, Hampshire, PO7 7UG Classification: Precision Engineers **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SW (E)	573	-	468173 109797

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
61	**Contemporary Trade Directory Entries** Name: Ev Engineering Ltd Location: Unit 6A, Aysgarth Road, Waterlooville, Hampshire, PO7 7UG Classification: Sheet MetalWork **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	575	-	468173 109782
61	**Contemporary Trade Directory Entries** Name: M G Systems Location: Unit 6A, Aysgarth Road, Waterlooville, Hampshire, PO7 7UG Classification: Electronic Equipment - Manufacturers & Assemblers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14SW (E)	575	-	468173 109782
61	**Contemporary Trade Directory Entries** Name: F S R Maintenance Location: Unit 8, Arnside Road, Waterlooville, Hampshire, PO7 7UP Classification: Engineers - General **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SW (E)	581	-	468174 109754
61	**Contemporary Trade Directory Entries** Name: Shaftfield Group Location: Unit 8, Arnside Road, Waterlooville, Hampshire, PO7 7UP Classification: Engineering Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SW (E)	581	-	468174 109754
62	**Contemporary Trade Directory Entries** Name: P R G Powerhouse Location: Unit 6, Wellington Retail Park, Hambledon Road, Waterlooville, Hampshire, PO7 7FG Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (SE)	572	-	468101 109586
63	**Contemporary Trade Directory Entries** Name: Cnc Joinery Products Ltd Location: Unit 10,Arnside Rd, Waterlooville, Hampshire, PO7 7UP Classification: Joinery Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14SW (E)	582	-	468156 109682
64	**Contemporary Trade Directory Entries** Name: Solentec Ltd Location: 82a, Jubilee Road, Waterlooville, Hampshire, PO7 7RE Classification: Electrical Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	588	-	468146 110104
64	**Contemporary Trade Directory Entries** Name: Jubilee Road Motors Ltd Location: 76, Jubilee Road, Waterlooville, Hampshire, PO7 7RE Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	607	-	468173 110089
65	**Contemporary Trade Directory Entries** Name: South Coast Films Location: 37, Winifred Road, Waterlooville, Hampshire, PO7 7TD Classification: Window Tinting **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SW (E)	621	-	468225 109832
66	**Contemporary Trade Directory Entries** Name: Brookdown Joinery Location: 25, St. Georges Walk, Waterlooville, Hampshire, PO7 7TU Classification: Joinery Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	636	-	468043 109411
67	**Contemporary Trade Directory Entries** Name: Creative Fires (Uk) Ltd Location: Unit 14, Arnside Road, Waterlooville, Hampshire, PO7 7UP Classification: Fireplaces & Mantelpieces **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	645	-	468241 109762
67	**Contemporary Trade Directory Entries** Name: Creative Fires Uk Ltd Location: Unit 14, Arnside Road, WATERLOOVILLE, Hampshire, PO7 7UP Classification: Fireplaces & Mantelpieces **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SW (E)	645	-	468241 109762

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
67	**Contemporary Trade Directory Entries** Name: Simer Environmental Services Ltd Location: Unit 15, Arnside Road, Waterlooville, Hampshire, PO7 7UP Classification: Air Conditioning Equipment & Systems **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SW (E)	647	-	468237 109734
68	**Contemporary Trade Directory Entries** Name: Crm Saw & Tool Co Ltd Location: Unit 17, Arnside Road, Waterlooville, Hampshire, PO7 7UP Classification: Tool Sharpening, Repairing & Servicing **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SW (E)	648	-	468216 109654
68	**Contemporary Trade Directory Entries** Name: Anchor Adhesives Location: Unit 18,Arnside Rd, Waterlooville, Hampshire, PO7 7UP Classification: Gum & Resin Manufacturers & Distributors **Status: Active** Positional Accuracy: Manually positioned to the address or location	A14SW (E)	673	-	468239 109646
68	**Contemporary Trade Directory Entries** Name: D L Webb Location: Unit 18, Arnside Road, Waterlooville, Hampshire, PO7 7UP Classification: Joinery Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	673	-	468239 109647
69	**Contemporary Trade Directory Entries** Name: Jagcare Location: Unit 4, 23, Arnside Road, Waterlooville, Hampshire, PO7 7UP Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (SE)	687	-	468222 109569
69	**Contemporary Trade Directory Entries** Name: South Coast Environmental Services Ltd Location: Unit 23, Arnside Road, Waterlooville, Hampshire, PO7 7UP Classification: Air Conditioning & Refrigeration Contractors **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SW (SE)	687	-	468222 109569
69	**Contemporary Trade Directory Entries** Name: Staple J Location: Unit 3, 23, Arnside Road, Waterlooville, Hampshire, PO7 7UP Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (SE)	687	-	468222 109569
69	**Contemporary Trade Directory Entries** Name: T & D Motor Services Location: Unit 3, 23, Arnside Road, Waterlooville, Hampshire, PO7 7UP Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SW (SE)	687	-	468222 109569
70	**Contemporary Trade Directory Entries** Name: Photo Imaging Centre The Location: Portland Road, Waterlooville, Hampshire, PO7 7XR Classification: Photographic Processors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	692	-	468034 109328
71	**Contemporary Trade Directory Entries** Name: British Engineering Productions Ltd Location: Unit 19, Arnside Road, Waterlooville, Hampshire, PO7 7UP Classification: Hydraulic Equipment & Accessories - Sales & Service **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SW (E)	707	-	468269 109628
72	**Contemporary Trade Directory Entries** Name: A & J Services Location: 23, Windsor Road, Waterlooville, Hampshire, PO7 6BA Classification: Boilers - Servicing, Replacements & Repairs **Status: Active** Positional Accuracy: Automatically positioned to the address	A18NE (N)	717	-	467639 110588
73	**Contemporary Trade Directory Entries** Name: Ashmech Location: 62, Forest End, Waterlooville, Hampshire, PO7 7AD Classification: Generators - Sales & Service **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	753	-	467701 109125

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
74	**Contemporary Trade Directory Entries** Name: Solent Cleaners Ltd Location: 2, Queens Parade, London Road, Waterlooville, Hampshire, PO7 7EB Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	783	-	468268 109453
75	**Contemporary Trade Directory Entries** Name: Brooks The Cleaners Location: 97, London Road, Waterlooville, Hampshire, PO7 7EQ Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	788	-	468210 109366
76	**Contemporary Trade Directory Entries** Name: Access 24 Location: London Road, Waterlooville, Hampshire, PO7 5SX Classification: Washing Machines - Servicing & Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	821	-	467406 109075
77	**Contemporary Trade Directory Entries** Name: Feeds Seeds & Animal Needs Location: 282, London Road, Waterlooville, Hampshire, PO7 7DS Classification: Pet Foods & Animal Feeds **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	822	-	468211 109315
78	**Contemporary Trade Directory Entries** Name: Kitchen (Door) Wizards Ltd Location: 1, Hambledon Parade, Hambledon Road, Waterlooville, Hampshire, PO7 6XE Classification: Door Manufacturers - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	838	-	467198 110605
79	**Contemporary Trade Directory Entries** Name: Emberz Location: 248, London Road, Waterlooville, Hampshire, PO7 7HG Classification: Fireplaces & Mantelpieces **Status: Active** Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	843	-	468124 109207
80	**Contemporary Trade Directory Entries** Name: J Golding Location: 30, Chaucer Close, Waterlooville, Hampshire, PO7 6AQ Classification: Car Dealers - Used **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	846	-	468162 110509
81	**Contemporary Trade Directory Entries** Name: Kraftwork Location: 2a, Stakes Hill Road, Waterlooville, Hampshire, PO7 7HY Classification: Furniture Manufacturers - Home & Office **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	855	-	468190 109248
81	**Contemporary Trade Directory Entries** Name: The Artistic Framing Co Location: 2a, Stakes Hill Road, Waterlooville, Hampshire, PO7 7HY Classification: Picture & Picture Frame Renovating & Restoring **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	855	-	468190 109248
81	**Contemporary Trade Directory Entries** Name: Research Analyst Defence Ltd Location: 10, Stakes Hill Road, Waterlooville, Hampshire, PO7 7HY Classification: Defence Systems **Status: Active** Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	888	-	468227 109238
82	**Contemporary Trade Directory Entries** Name: Supasnaps Location: 14, The Precinct, London Road, Waterlooville, Hampshire, PO7 7DT Classification: Photographic Processors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	867	-	468310 109367
82	**Contemporary Trade Directory Entries** Name: Robert Dyas Location: Unit 10-11, Dukes Walk, Waterlooville, Hampshire, PO7 7HS Classification: Hardware **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	891	-	468331 109355

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
83	**Contemporary Trade Directory Entries** Name: Jewson Ltd Location: 344, London Road, Waterlooville, Hampshire, PO7 7SN Classification: Builders' Merchants **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SE (E)	870	-	468427 109587
84	**Contemporary Trade Directory Entries** Name: Tint Technology Location: 61, Esher Grove, Waterlooville, Hampshire, PO7 6XG Classification: Window Tinting **Status: Active** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	872	-	467217 110653
85	**Contemporary Trade Directory Entries** Name: M T'S M O T'S Location: Unit 1, Victoria Road, Waterlooville, Hampshire, PO7 7ET Classification: Mot Testing Centres **Status: Active** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	886	-	468118 109149
85	**Contemporary Trade Directory Entries** Name: Autosales (Waterlooville) Location: 1a, Victoria Road, Waterlooville, Hampshire, PO7 7ET Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	886	-	468118 109149
85	**Contemporary Trade Directory Entries** Name: Waterlooville Car Centre Location: 1a, Victoria Road, Waterlooville, Hampshire, PO7 7ET Classification: Car Dealers - Used **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	886	-	468118 109149
85	**Contemporary Trade Directory Entries** Name: Rosewood Car Centre Location: 1a, Victoria Road, Waterlooville, Hampshire, PO7 7ET Classification: Car Dealers - Used **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	886	-	468118 109149
86	**Contemporary Trade Directory Entries** Name: Credit Cars Location: A, 222, London Road, Waterlooville, Hampshire, PO7 7AA Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	891	-	468040 109094
86	**Contemporary Trade Directory Entries** Name: Shell(Uk) Ltd Location: 222, London Road, Waterlooville, Hampshire, PO7 7AA Classification: Petrol Filling Stations **Status: Active** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	891	-	468040 109094
86	**Contemporary Trade Directory Entries** Name: Stop & Steer Location: 222a, London Road, Waterlooville, Hampshire, PO7 7AA Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	891	-	468040 109094
87	**Contemporary Trade Directory Entries** Name: London Road Motors Location: 179, London Road, Waterlooville, Hampshire, PO7 7RJ Classification: Car Dealers - Used **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NE (E)	919	-	468518 109984
87	**Contemporary Trade Directory Entries** Name: Car Connections Location: 179, London Road, Waterlooville, Hampshire, PO7 7RJ Classification: Car Dealers - Used **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	919	-	468518 109984
88	**Contemporary Trade Directory Entries** Name: Grange Gas & Plumbing Services Location: 44, Sunnymead Drive, Waterlooville, Hampshire, PO7 6DA Classification: Boilers - Servicing, Replacements & Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NW (N)	934	-	467432 110790

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
89	**Contemporary Trade Directory Entries** Name: Denton Rubber Sheeting Location: 8, Hulbert Road, Waterlooville, Hampshire, PO7 7NT Classification: Rubber & Plastic Products - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	968	-	468472 109441
90	**Fuel Station Entries** Name: Waterlooville Service Station Location: Bettra Avenue, WATERLOOVILLE, Hampshire, PO7 7XW Brand: Total Premises Type: Petrol Station **Status: Open** Positional Accuracy: Automatically positioned in the proximity of the address	A13NW (N)	215	-	467597 110087
91	**Fuel Station Entries** Name: Shell Waterlooville Location: 222, London Road, Rockville Drive,,, WATERLOOVILLE, Hampshire, PO7 7AA Brand: SHELL Premises Type: Petrol Station **Status: Open** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	890	-	468039 109094

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Portsmouth City Council - Health and Trading Standards	April 2008	Annual Rolling Update
Chichester District Council - Environmental Health Department	August 2007	Annual Rolling Update
Winchester City Council - Environmental Health Department	November 2007	Annual Rolling Update
East Hampshire District Council - Environmental Health Department	September 2007	Annual Rolling Update
Havant Borough Council - Environmental Health Department	September 2007	Annual Rolling Update
Discharge Consents		
Environment Agency - Southern Region	April 2008	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - Southern Region	May 2008	As notified
Integrated Pollution Controls		
Environment Agency - Southern Region	April 2008	Quarterly
Integrated Pollution Prevention And Control		
Environment Agency - Southern Region	April 2008	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Winchester City Council - Environmental Health Department	April 2008	Annual Rolling Update
Portsmouth City Council - Environmental Health Department	August 2007	Annual Rolling Update
East Hampshire District Council - Environmental Health Department	February 2007	Annual Rolling Update
Chichester District Council - Environmental Health Department	March 2008	Annual Rolling Update
Havant Borough Council - Environmental Health Department	May 2007	Annual Rolling Update
Local Authority Pollution Prevention and Controls		
Portsmouth City Council - Environmental Health Department	August 2007	Annual Rolling Update
East Hampshire District Council - Environmental Health Department	February 2007	Annual Rolling Update
Chichester District Council - Environmental Health Department	March 2008	Annual Rolling Update
Havant Borough Council - Environmental Health Department	May 2007	Annual Rolling Update
Winchester City Council - Environmental Health Department	May 2007	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
Winchester City Council - Environmental Health Department	April 2008	Annual Rolling Update
Portsmouth City Council - Environmental Health Department	August 2007	Annual Rolling Update
East Hampshire District Council - Environmental Health Department	February 2007	Annual Rolling Update
Chichester District Council - Environmental Health Department	March 2008	Annual Rolling Update
Havant Borough Council - Environmental Health Department	May 2007	Annual Rolling Update
Nearest Surface Water Feature		
Ordnance Survey	January 2008	Quarterly
Pollution Incidents to Controlled Waters		
Environment Agency - Southern Region	December 1999	Not Applicable
Prosecutions Relating to Authorised Processes		
Environment Agency - Southern Region	April 2008	As notified
Prosecutions Relating to Controlled Waters		
Environment Agency - Southern Region	April 2008	As notified
Registered Radioactive Substances		
Environment Agency - Southern Region	April 2008	Quarterly
Scottish Environment Protection Agency - Head Office	January 1998	Variable
River Quality		
Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points		
Environment Agency - Head Office	September 2007	Annually
River Quality Chemistry Sampling Points		
Environment Agency - Head Office	August 2007	Annually
Substantiated Pollution Incident Register		
Environment Agency - Southern Region - Hampshire and Isle of Wight Area Office	April 2008	Quarterly
Environment Agency - Southern Region - Sussex Area	April 2008	Quarterly

Agency & Hydrological	Version	Update Cycle
Water Abstractions Environment Agency - Southern Region	April 2008	Quarterly
Water Industry Act Referrals Environment Agency - Southern Region	April 2008	Quarterly
Groundwater Vulnerability Environment Agency - Head Office	January 1999	Not Applicable
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable
Source Protection Zones Environment Agency - Head Office	April 2008	Variable
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	April 2008	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	April 2008	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	April 2008	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	April 2008	Quarterly
Flood Defences Environment Agency - Head Office	April 2008	Quarterly

Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites		
Environment Agency - Southern Region - Hampshire and Isle of Wight Area Office	February 2008	As notified
Environment Agency - Southern Region - Sussex Area	February 2008	As notified
Integrated Pollution Control Registered Waste Sites		
Environment Agency - Southern Region	April 2008	Quarterly
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - Southern Region - Hampshire and Isle of Wight Area Office	February 2008	Quarterly
Environment Agency - Southern Region - Sussex Area	February 2008	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - Southern Region - Hampshire and Isle of Wight Area Office	February 2008	Quarterly
Environment Agency - Southern Region - Sussex Area	February 2008	Quarterly
Local Authority Landfill Coverage		
Chichester District Council - Environmental Health Department	May 2000	Not Applicable
East Hampshire District Council	May 2000	Not Applicable
Hampshire County Council - Minerals and Waste Planning	May 2000	Not Applicable
Havant Borough Council - Environmental Health Department	May 2000	Not Applicable
Portsmouth City Council - Environmental Health Department	May 2000	Not Applicable
West Sussex County Council - Environment & Development	May 2000	Not Applicable
Winchester City Council - Environmental Health Department	May 2000	Not Applicable
Local Authority Recorded Landfill Sites		
Chichester District Council - Environmental Health Department	May 2000	Not Applicable
East Hampshire District Council	May 2000	Not Applicable
Hampshire County Council - Minerals and Waste Planning	May 2000	Not Applicable
Havant Borough Council - Environmental Health Department	May 2000	Not Applicable
Portsmouth City Council - Environmental Health Department	May 2000	Not Applicable
West Sussex County Council - Environment & Development	May 2000	Not Applicable
Winchester City Council - Environmental Health Department	May 2000	Not Applicable
Registered Landfill Sites		
Environment Agency - Southern Region - Hampshire Area	March 2003	Not Applicable
Environment Agency - Southern Region - Sussex Area	March 2003	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - Southern Region - Hampshire Area	March 2003	Not Applicable
Environment Agency - Southern Region - Sussex Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites		
Environment Agency - Southern Region - Hampshire Area	March 2003	Not Applicable
Environment Agency - Southern Region - Sussex Area	March 2003	Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	April 2008	Bi-Annually
Explosive Sites		
Health and Safety Executive	February 2008	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements		
Portsmouth City Council - Planning Office	July 2007	Annual Rolling Update
Havant Borough Council - Commercial Team	June 2006	Annual Rolling Update
Chichester District Council - Planning Department	March 2008	Annual Rolling Update
East Hampshire District Council	May 2007	Annual Rolling Update
West Sussex County Council - Environment & Development	October 2006	Annual Rolling Update
Hampshire County Council - Minerals and Waste Planning	October 2007	Annual Rolling Update
Winchester City Council - Waste Management Team	September 2007	Annual Rolling Update
Planning Hazardous Substance Consents		
Portsmouth City Council - Planning Office	July 2007	Annual Rolling Update
Havant Borough Council - Commercial Team	June 2006	Annual Rolling Update
Chichester District Council - Planning Department	March 2008	Annual Rolling Update
East Hampshire District Council	May 2007	Annual Rolling Update
West Sussex County Council - Environment & Development	October 2006	Annual Rolling Update
Hampshire County Council - Minerals and Waste Planning	October 2007	Annual Rolling Update
Winchester City Council - Waste Management Team	September 2007	Annual Rolling Update

Geological	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	April 2008	Bi-Annually
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	August 1996	Not Applicable
Brine Compensation Area Cheshire Brine Subsidence Compensation Board	November 2002	As notified
Coal Mining Affected Areas The Coal Authority - Mining Report Service	January 2006	As notified
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Natural and Mining Cavities Peter Brett Associates	December 2005	Variable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2008	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2008	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2008	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2008	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2008	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2008	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	May 2007	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	May 2007	Annually
Shallow Mining Hazards British Geological Survey - National Geoscience Information Service	August 2002	Not Applicable
Industrial Land Use	**Version**	**Update Cycle**
Contemporary Trade Directory Entries Thomson Directories	February 2008	Quarterly
Fuel Station Entries Catalist Ltd - (Fuel Station Data)	March 2008	Quarterly

Sensitive Land Use	Version	Update Cycle
Areas of Outstanding Natural Beauty Natural England	January 2008	Annually
Environmentally Sensitive Areas Natural England	January 2008	Annually
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	January 2008	Bi-Annually
Marine Nature Reserves Natural England	October 2007	Bi-Annually
National Nature Reserves Natural England	October 2007	Bi-Annually
National Parks Natural England	January 2008	Annually
Nitrate Sensitive Areas Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2003	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	May 2007	Annually
Ramsar Sites Natural England	October 2007	Bi-Annually
Sites of Special Scientific Interest Natural England	October 2007	Bi-Annually
Special Areas of Conservation Natural England	October 2007	Bi-Annually
Special Protection Areas Natural England	October 2007	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	
Centre for Ecology and Hydrology	
Countryside Council for Wales	
Scottish Natural Heritage	
Natural England	
Health Protection Agency	
Ove Arup	
Peter Brett Associates	

Contact	Name and Address	Contact Details
1	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
2	**Havant Borough Council - Environmental Health Department** Civic Offices, Civic Centre Road, Havant, Hampshire, PO9 2AX	Telephone: 023 92474174 Fax: 01705 446659 Email: env.services@havant.gov.uk Website: www.havant.gov.uk
3	**Scottish Environment Protection Agency - Head Office** Erskine Court, The Castle Business Park, Stirling, Stirlingshire, FK9 4TR	Telephone: 01786 457700 Fax: 01786 446885
4	**British Geological Survey - Enquiry Service** British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
5	**Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)** Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
6	**Winchester City Council - Environmental Health Department** City Offices, Colebrook Street, Winchester, Hampshire, SO23 9LJ	Telephone: 01962 848519 Fax: 01962 849101 Website: www.winchester.gov.uk
7	**Hampshire County Council - Minerals and Waste Planning** Room 130, Ashburton Court West, The Castle, Winchester, Hampshire, SO23 8UD	Telephone: 01962 841841 Fax: 01962 847055 Website: www.hants.gov.uk
-	**Health Protection Agency - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@hpa.org.uk Website: www.hpa.org.uk
-	**Landmark Information Group Limited** The Smith Centre, Henley On Thames, Oxfordshire, RG9 6AB	Telephone: 0870 850 6670 Fax: 0870 850 6671 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

Appendix 3

Borehole Logs

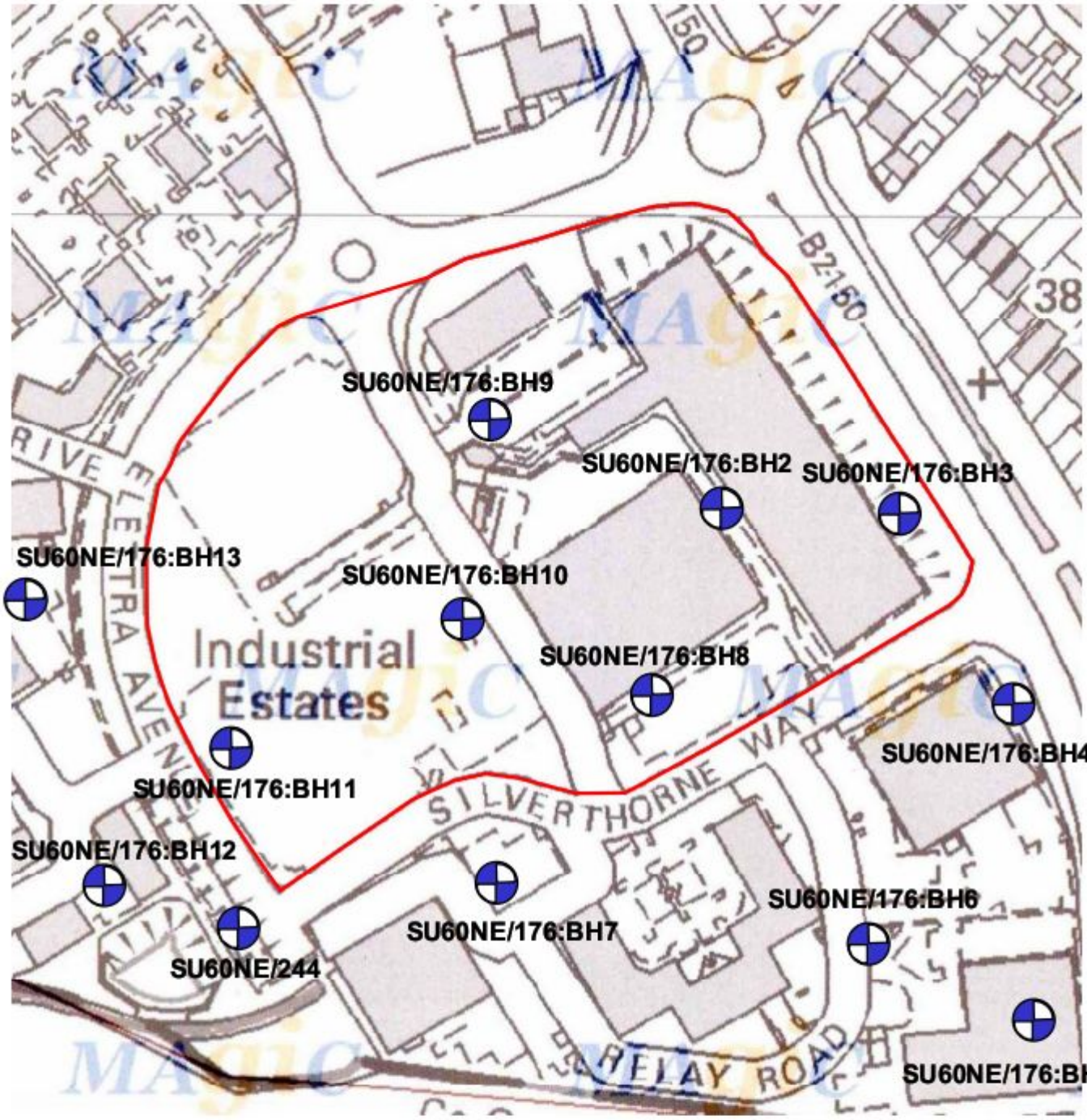


FIGURE TITLE :

BGS Borehole Location Plan

PROJECT :

BAE Systems Waterlooville

REPORT NUMBER :

B0054-00-R1-1

BAE SYSTEMS

GROUND EXPLORATIONS LTD. SU 60 NE/176

BOREHOLE NO. 2

Haslemere DC File 50/04/71/65

Contract Name Waterlooville — Report No. 8768/NAS/RF

Client H I Waterman & Partners — Site Address

Address 46/47 Blackfriars Road — Brambles Farm

London SE1 8PN — Waterlooville

Standing Water Level Dry — Method of Boring Shell and clay cutter

Water Struck - — Diameter 150mm

Ground Level 35.4 M.O.D. — Start 19/2/82 Finish 19/2/82

Perforated Casing

Remarks

(m) JARS		(m) CORES		BULK
J1	1.0	U1	0.5	
J2	2.0	U2	1.5	
J3	3.0	U3	2.5	
J4	4.0	U4	3.5	
J5	5.0	U5	4.5	
J6	6.5	U6	6.0	
J7	8.0	U7	7.5	
J8	10.0	U8	9.5	

Description	Thickness (m)	Depth (m)
TOPSOIL	0.2	0.2
Firm to stiff mottled yellow / brown /grey silty CLAY with claystone at 4m (Head — — London Clay)	4.1	4.3
Stiff grey fissured silty CLAY	5.7	10.0
TOTALS	10.0	10.0

Notes 1. Descriptions are in accordance with B.S. Code of Practice C.P. 2001 Clients are requested to compare with samples submitted.

2. Core samples are nominally 102mm diameter and 460mm long.

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[SU60NE BJ 176 .]

GROUND EXPLORATIONS LTD.

SU 60 NE/176

BOREHOLE NO. 3

Contract Name Waterlooville
Report No. 8768/NAS/RF
Client H L Waterman & Partners
Site Address
Address 46/47 Blackfriars Road
Brambles Farm
London SE1 8FN
Waterlooville

Standing Water Level -
Method of Boring Shell and Clay cutter
Water Struck 26.8 M.O.D.
Diameter 150mm
Ground Level 36.1 M.O.D.
Start 10.2.82 Finish 10.2.82
Perforated Casing
Remarks

(m) JARS		(m) CORES		BULK
J33	1.0	U32	0.5	
J35	2.0	U34	1.5	
J37	3.0	U36	2.5	
J39	4.0	U38	3.5	
J41	5.0	U40	4.5	
J43	6.5	U42	6.0	
J45	8.0	U44	7.5	
J47	10.0	U46	9.5	
Water	9.3			

Description	Thickness (m)	Depth (m)
TOPSOIL	0.15	0.15
Firm to stiff mottled brown/grey fissured silty CLAY. Head / London Clay	4.15	4.3
Stiff grey fissured silty CLAY (very silty in places).	5.7	10.0
TOTALS	10.0	10.0

Notes 1. Descriptions are in accordance with B.S. Code of Practice C.P. 2001 Clients are requested to compare with samples submitted.
2. Core samples are nominally 102mm diameter and 460mm long.
Depths at

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[SU60NE BJ 176 .]

GROUND EXPLORATIONS LTD.

SU60NE/176

BOREHOLE NO. 4

Contract Name: Waterlooville
Report No.: 8768/NAS/RF
Client: H L Waterman & Partners
Site Address: Brambles Farm
Address: 46/47 Blackfriars Road
London SEI 8PN
Waterlooville

Standing Water Level: Dry
Method of Boring: Shell and clay cutter
Water Struck: -
Diameter: 150mm
Ground Level: 25.7 M.O.D.
Start: 10/2/82 Finish: 10/2/82
Perforated Casing:
Remarks:

JARS (m)		JARS (m)		CORES (m)		CORES (m)		BULK	
52	1.0	66	10.0	51	0.5	65	9.5		
54	2.0			53	1.5				
56	3.0			55	2.5				
58	4.0			57	3.5				
60	5.0			59	4.5				
62	6.5			61	6.0				
64	8.0			63	7.5				

Description	Thickness (m)	Depth (m)
TOPSOIL	0.2	0.2
Firm to stiff mottled brown / grey fissured silty sandy CLAY.	3.0	3.2
Stiff grey fissured silty CLAY (Weathered near surface).	6.8	10.0
TOTALS	10.0	10.0

Notes
1. Descriptions are in accordance with B.S. Code of Practice C.P. 2001 Clients are requested to compare with samples submitted.
2. Core samples are nominally 102mm diameter and 460mm long.

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[SU60NE BJ 176 .]

GROUND EXPLORATIONS LTD.

SU 60 NE/176

BOREHOLE NO. 5

Contract Name: Waterlooville
Report No.: 8768/NAS/RF
Client: H L Waterman & Partners
Site Address
Address: 46/47 Blackfriars Road
Brambles Farm
London SE1 8PN
Waterlooville

Standing Water Level: Dry
Method of Boring: Shell and Clay Cutter
Water Struck: -
Diameter: 150mm
Ground Level: 34.8 M.O.D.
Start: 11.2.82 Finish: 11.2.82
Perforated Casing:
Remarks:

JARS (m)		CORES (m)		BULK
68	1.0	67	0.5	
70	2.0	69	1.5	
72	3.0	71	2.5	
74	4.0	73	3.5	
76	5.0	75	4.5	
78	6.5	77	6.0	
80	8.0	79	7.5	
82	10.0			

Description	Thickness (m)	Depth (m)
TOPSOIL	0.2	0.2
HEAD Firm to stiff mottled yellow - brown grey fissured silty CLAY with shells.	4.0	4.2
LONDON CLAY Stiff grey fissured CLAY (claystone at 10m)	5.8	10.0
TOTALS	10.0	10.0

Notes 1. Descriptions are in accordance with B.S. Code of Practice C.P. 2001
Clients are requested to compare with samples submitted.
2. Core samples are nominally 102mm diameter and 460mm long.
Depths shown [illegible]

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[SU60NE BJ 176 .]

GROUND EXPLORATIONS LTD.

SU60NE/176

BOREHOLE NO. 6

Contract Name Waterlooville
Report No. 8768/NAS/RF
Client H L Waterman & Partners
Site Address
Address 46/47 Blackfriars
Bramtles Farm
London SE1 8PN
Waterlooville

Standing Water Level Dry
Method of Boring Shell and clay cutter
Water Struck -
Diameter 150mm
Ground Level 35.4 M.O.D.
Start 15/12/82 Finish 15/12/82
Perforated Casing
Remarks

JARS (m)						CORES (m)				BULK	
84	1.0	98	9.5	112	20.0	83	0.5	97	9.0		
86	2.0	100	11.0			85	1.5	99	10.5		
88	3.0	102	12.5			87	2.5	101	12.0		
90	4.0	104	14.0			89	3.5	103	13.5		
92	5.0	106	15.5			91	4.5	105	15.0		
94	6.5	108	17.0			93	6.0	107	16.5		
96	8.0	110	18.5			95	7.5	109	18.0		
								111	19.5		

Description	Thickness (m)	Depth (m)
TOPSOIL	0.2	0.2
Firm to stiff mottled yellow / brown / grey silty CLAY with crystals. Head / London Clay	3.1	3.3
Stiff grey fissured silty CLAY. Weathered brown in places near top. Occasional crystals near top. Becoming very stiff below 13m. Occasional claystones and very silty at about 18m.	16.7	20.0
TOTALS	20.0	20.0

Notes 1. Descriptions are in accordance with B.S. Code of Practice C.P. 2001 Clients are requested to compare with samples submitted.
2. Core samples are nominally 102mm diameter and 460mm long.

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[SU60NE BJ 176 .]

GROUND EXPLORATIONS LTD.

SO 60 NE/176

BOREHOLE NO. 7

Contract Name: Waterlooville
Report No.:
Client: H L Waterman & Partners
Site Address: Brambles Farm, Waterlooville
Address: 46/47 Blackfriars Road, London SE1 8PN

Standing Water Level: Dry
Method of Boring: Shell and clay cutter
Water Struck: -
Diameter: 150mm
Ground Level: 34.2 M.O.D.
Start: 16/2/82 Finish: 16/2/82
Perforated Casing:
Remarks:

JARS (m)		JARS (m)		JARS (m)	CORES (m)		CORES (m)		BULK	
114	1.0	128	9.5	142.20	113	0.5	127	9.0		
116	2.0	130	11.0		115	1.5	129	10.5		
118	3.0	132	12.5		117	2.5	131	12.0		
120	4.0	134	14.0		119	3.5	133	13.5		
122	5.0	136	15.5		121	4.5	135	15.0		
124	6.5	138	17.0		123	6.0	137	16.5		
126	8.0	140	18.5		125	7.5	139	18.0		
							141	19.5		

Description	Thickness (m)	Depth (m)
TOPSOIL	0.3	0.3
Firm to stiff mottled yellow / brown / grey silty CLAY with crystals and roots to about 2m — ~~Head~~ London Clay	5.4	5.7
Stiff to very stiff grey fissured silty CLAY with occasional claystones	14.3	20.0
TOTALS	20.0	20.0

Notes 1. Descriptions are in accordance with B.S. Code of Practice C.P. 2001
Clients are requested to compare with samples submitted.
2. Core samples are nominally 102mm diameter and 460mm long.
Depths [illegible]

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[SU60NE BJ 176 .]

GROUND EXPLORATIONS LTD. SU60 NE/176

BOREHOLE NO. 8

Contract Name: Waterlooville
Report No. 8768/NAS/RF
Client: H L Waterman & Partners
Site Address: Brambles Farm, Waterlooville
Address: 46/47 Blackfriars Road, London SE1 8PN

Standing Water Level: Dry
Method of Boring: Shell and clay cutter
Water Struck: -
Diameter: 150mm
Ground Level: 34.8 M.O.D.
Start: 18/2/82 Finish: 19/2/82
Perforated Casing:
Remarks:

JARS (m)						CORES (m)				BULK
J1	1.0	J8	9.5	J14	20.0	U1	0.5	U11	13.5	
J2	2.0	J9	11.0			U2	1.5	U12	15.0	
J3	3.0	J10	12.5			U3	2.5	U13	16.5	
J4	4.0	J11	14.0			U4	3.5	U14	18.0	
J5	5.0	J12	15.5			U5	4.5	U15	19.5	
J6	6.5	J13	17.0			U6	6.0			
J7	8.0	J14	18.5			U7	7.5			
						U8	9.0			
						U9	10.5			
						U10	12.0			

Description	Thickness (m)	Depth (m)
TOPSOIL	0.3	0.3
Firm to stiff mottled yellow / brown / grey silty CLAY with roots to about 1m. Claystone at 3m (Head)	4.0	4.3
Stiff to very stiff grey fissured silty CLAY (London Clay)	15.7	20.0
TOTALS	20.0	20.0

Notes
1. Descriptions are in accordance with B.S. Code of Practice C.P. 2001 Clients are requested to compare with samples submitted.
2. Core samples are nominally 102mm diameter and 460mm long.

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[SU60NE BJ 176 .]

GROUND EXPLORATIONS LTD. SU 60 NE/176

BOREHOLE NO. 9

Contract Name Waterlooville
Report No. 8768/NAS/RF
Client H.L. Waterman & Partners
Site Address
Address 46/47 Blackfriars Road
London
SE1 8PN
Brambles Farm
Waterlooville

Standing Water Level Dry
Method of Boring Shell and clay cutter
Water Struck -
Diameter 150mm
Ground Level 35.7 M.O.D.
Start 22/2/82 Finish 22/2/82
Perforated Casing
Remarks

JARS (m)		CORES (m)		BULK
J1	1.0	U1	0.5	
J2	2.0	U2	1.5	
J3	3.0	U3	2.5	
J4	4.0	U4	3.5	
J5	5.0	U5	4.5	
J6	6.5	U6	6.0	
J7	8.0	U7	7.5	
J8	10.0	U8	9.5	

Description	Thickness (m)	Depth (m)
TOPSOIL and chalk (Made Ground)	0.4	0.4
Firm stiff mottled brown - grey fissured silty CLAY. Head	2.9	3.3
Stiff to very stiff grey fissured silty CLAY London Clay (with pebbles and more silty from 9.3 to 10.0m) (? Bagshot Sand Pebbles)	6.7	10.0
TOTALS	10.0	10.0

Notes 1. Descriptions are in accordance with B.S. Code of Practice C.P. 2001 Clients are requested to compare with samples submitted.
2. Core samples are nominally 102mm diameter and 460mm long.

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[SU60NE BJ 176 .]

GROUND EXPLORATIONS LTD.

SU60NE/176

BOREHOLE NO. 10

Contract Name Waterlooville
Report No. 8768/NAS/RF
Client H.L Waterman & Partners
Site Address
Address 46/47 Blackfriars Road
Brambles Farm
London SEI 8PN
Waterlooville

Standing Water Level Dry
Method of Boring Shell and clay cutter
Water Struck
Diameter 150mm
Ground Level 34.8 M.O.D.
Start 22/2/82 Finish 22/2/82
Perforated Casing
Remarks

JARS (m)			CORES (m)		BULK
J1 1.0	J8 10.0		U1 0.5	U8 9.5	
J2 2.0			U2 1.5		
J3 3.0			U3 2.5		
J4 4.0			U4 3.5		
J5 5.0			U5 4.5		
J6 6.5			U6 6.0		
J7 8.0			U7 7.5		

Description	Thickness (m)	Depth (m)
TOPSOIL	0.3	0.3
Firm to stiff mottled brown / grey fissured silty CLAY. Head	3.1	3.4
Firm to stiff grey fissured silty sandy CLAY London Clay	6.6	10.0
TOTALS	10.0	10.0

Notes 1. Descriptions are in accordance with B.S. Code of Practice C.P. 2001
Clients are requested to compare with samples submitted.
2. Core samples are nominally 102mm diameter and 460mm long.
Depths shown are to top of sample

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[SU60NE BJ 176 .]

GROUND EXPLORATIONS LTD.

SU 60 NE/176

BOREHOLE NO. 11

Contract Name Waterlooville

Report No. 8768/NAS/RF

Client H.L. Waterman & Partners

Site Address

Address 46/47 Blackfriars Road

Brambles Farm

London SE1 8PN

Waterlooville

Standing Water Level 34.5 M.O.D.

Method of Boring Shell and clay cutter

Water Struck 33.2 M.O.D.

Diameter 150mm

Ground Level 34.6 M.O.D.

Start 17/2/82 Finish 17/2/82

Perforated Casing

Remarks

JARS (m)		CORES (m)		BULK (m)	
J1	1.0	U1	0.5	BI	1.5
J2	3.0	U2	2.5		
J3	4.0	U3	3.5		
J4	5.0	U4	4.5		
J5	6.5	U5	6.0		
J6	8.0	U6	7.5		
J7	10.0	U7	9.5		

Description	Thickness (m)	Depth (m)
TOPSOIL	0.2	0.2
Firm / mottled yellow - brown / grey CLAY with flinty gravel. HTOD	2.2	2.4
Firm to stiff grey fissured silty CLAY weathered brown on fissures near top. London Clay	7.6	10.0
TOTALS	10.0	10.0

Notes 1. Descriptions are in accordance with B.S. Code of Practice C.P. 2001 Clients are requested to compare with samples submitted.

2. Core samples are nominally 102mm diameter and 460mm long.

Depths

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[SU60NE BJ 176 .]

GROUND EXPLORATIONS LTD.

SU60NE/176

BOREHOLE NO. 12

Contract Name Waterlooville
Report No. 8768/NAS/RF
Client H L Waterman & Partners
Site Address
Address 46/47 Blackfriars Road
Brambles Farm
London SE1 8PN
Waterlooville

Standing Water Level DRY
Method of Boring Shell and clay cutter
Water Struck —
Diameter 150mm
Ground Level 33.7 M.O.D.
Start 18/2/82 Finish 18/2/82
Perforated Casing
Remarks

JARS (m)				CORES (m)		BULK
J1	1.0	J8	10.0	U1	0.5	
J2	2.0			U2	1.5	
J3	3.0			U3	2.5	
J4	4.0			U4	3.5	
J5	5.0			U5	4.5	
J6	6.5			U6	6.0	
J7	8.0			U7	7.5	
				U8	9.5	

Description	Thickness (m)	Depth (m)
TOPSOIL	0.3	0.3
Soft to firm mottled brown - grey silty CLAY with roots to about 1m. HEAD	2.1	2.4
Firm to stiff grey fissured silty CLAY (Weathered brown on fissures near top). LONDON CLAY	7.6	10.0
TOTALS	10.0	10.0

Notes 1. Descriptions are in accordance with B.S. Code of Practice C.P. 2001 Clients are requested to compare with samples submitted.
2. Core samples are nominally 102mm diameter and 460mm long.
Depths shown from [illegible]

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[SU60NE BJ 176 .]

GROUND EXPLORATIONS LTD.

SU60NE/176

BOREHOLE NO. 13

Contract Name Waterlooville
Report No. 8768/NAS/RF
Client H I Waterman & Partners
Site Address
Address 46/47 Blackfriars Road
Brambles Farm
London SE1 8PN
Waterlooville

Standing Water Level 34.9 M.O.D.
Method of Boring
Water Struck 33.4 M.O.D.
Diameter 150mm
Ground Level 34.5 M.O.D.
Start 18/2/82 Finish 18/2/82
Perforated Casing
Remarks

JARS (m)			CORES (m)			BULK (m)	
J1	1.0	Water 1.7	U1	0.5	U8 9.5	B1 1.5	
J2	3.5		U2	1.5			
J3	4.5		U3	3.0			
J4	5.5		U4	4.0			
J5	7.0		U5	5.0			
J6	8.5		U6	6.5			
J7	10.0		U7	8.0			

Description	Thickness (m)	Depth (m)
TOFSOIL	0.3	0.3
Firm mottled brown - grey silty gravelly CLAY Head	2.4	2.7
Stiff to very stiff grey fissured CLAY with claystones at 4.3 & 7.8m London Clay	7.3	10.0
TOTALS	10.0	10.0

Notes 1. Descriptions are in accordance with B.S. Code of Practice C.P. 2001
Clients are requested to compare with samples submitted.
2. Core samples are nominally 102mm diameter and 460mm long.
Depths shown are to top of sample

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[SU60NE BJ 176 .]

Southern hS
Southern EA.

NN 990068
316 SU60NE
SU60/65

K Wardle Water Wells
Borehole Record and Drilling Log

LOWER HAMBLE GROUNDWATER INVESTIGATIONS STAGE 2 OVERVIEW

A: SITE DETAILS

Borehole drilled for	Portsmouth Water PLC SITE 8
Location	Brambles Farm Industrial Estate Waterlooville
NGR (8 fig)	SU 6750 0973
Ground level (if known	
Borehole drilled by	K Wardle Water Wells
Date of drilling	December 1999 - January 2000

B: CONSTRUCTION DETAILS

Borehole Datum (point from which all measurements of depth are taken e.g. G.L., flange, edge of chamber)

G.L.

Diameter drilled	diameter		depths			
Preparation for Artesian	444.50	mm from	G.L.	to	11	m/depth
	311.15	mm from	11	to	88.50	m/depth
	150.00	mm from	88.50	to	138.50	m/depth
		mm from		to		m/depth

Casing material(type/size/depths)

type	diameter		depths			
Mild steel casing / welded / grouted	323.85	mm from	.- 0.60	to	11.00	m/depth
Mild steel casing to BS 879 square thread	168.00	mm from	.- 0.60	to	88.50	m/depth
flush butt joints / grouted		mm from		to		m/depth
		mm from		to		m/depth

Water struck at Base of casing & m/depth below datum
below m/depth below datum
Rest water level on completion Artesian m/depth below datum

C: TEST PUMPING DETAILS

Test Pumping datum (point from which all measurements of depth are taken e.g. G.L., flange, edge of chamber)

See Attached yield test results

Pump suction depth _____ m/below flange
Water level(start of test) _____ m/depth below datum
Water level(end of test) _____ m/depth below datum
Pumping rate _____ m/hr
For _____ hours
Recovery to _____ m/depth below datum
Within _____
Date of measurements _____

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[SU60NE BJ 244 .]

K Wardle Water Wells
Borehole Record and Drilling Log

D:STRATA LOG			
Geo. Classification (B.G.S. use)	Description of strata	Thickness metres	Depth metres
	Yellow brown clay	3.50	3.50
	London clay	46.00	49.50
	Reading Beds	34.00	83.50
	Upper chalk - very weathered - caving below casing during pumping	55.00	138.50

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Appendix 4

Asbestos Management Review

Asbestos Management Review

For

BAE Systems
Underwater Systems Division, Elettra Avenue
Waterlooville PO7 7XS

Report No. 6922/1

Prepared for

Colin Efford
Facilities Manager

Carried out by

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on

12 July 2004

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1. Introduction

The Control of Asbestos at Work Regulations 2002 (CAW) requires employers to prevent the exposure of their employees to asbestos, or where this is not practicable, to reduce exposure to the lowest possible level. These regulations now include a regulation placing a duty on those who have repair and maintenance responsibilities for premises.

This asbestos management review is designed to provide feedback to highlight the current level of control within the premises.

On your behalf, ems has challenged the status of your current management control for asbestos at your premises.

This management review has looked at the following key aspects of the control process:

- policy
- responsibilities
- risk assessment
- written scheme
- training
- implementing controls
- checking, inspecting and monitoring
- records
- review

Action points are suggested for you to maintain or improve your level of compliance.

2. Background information

Asbestos

Asbestos is a naturally occurring mineral that has been used on a commercial scale for about 150 years. It is versatile, plentiful and ideal for use as a fire proofing and insulation material.

Breathing in air containing asbestos fibres can lead to asbestos related diseases, such as cancers of the lungs and chest lining. Asbestos is only a risk to health if asbestos fibres are released into the air and breathed in. Asbestos related diseases currently kill up to 3,000 people a year in Great Britain, with this figure expected to rise to 10,000 by 2011.

There are three main types of asbestos found in buildings. These are commonly called 'blue asbestos' (crocidolite), 'brown asbestos' (amosite) and 'white asbestos' (chrysotile). All are dangerous but blue and brown are more hazardous than white. They cannot be identified just by their colour.

Although it is now illegal to use asbestos in the construction or refurbishment of any premises, many thousands of tonnes have been used in the past and much of it is still in place. As long as it remains in good condition and is not disturbed or damaged there is no risk. If it is disturbed or damaged, it can become a danger to health because asbestos fibres are released into the air and breathed in.

Legislation

The Control of Asbestos at Work Regulations 2002 (CAW) were published in November 2002. These require employers to prevent exposure of their employees to asbestos or, where this is not practicable, to reduce the exposure to the lowest possible level.

Duty to manage

A new duty to manage asbestos in non-domestic premises has been included in the Control of Asbestos at Work Regulations 2002 (CAW).

The duty to manage requires those in control of the premises to:

- Take reasonable steps to determine the location and condition of materials likely to contain asbestos.
- Presume materials contain asbestos unless there is strong evidence that they do not.
- Set up and maintain a record of the location and condition of the asbestos containing materials (ACMs) or presumed ACMs in the premises.
- Assess the risk of the likelihood of any one being exposed to fibres from these materials.
- Prepare a plan setting out how the risks from the materials are to be managed.
- Take the necessary steps to put the plan into action.
- Review and monitor the plan periodically.
- Provide information on the location and condition of the materials to anyone who is liable to work on or disturb them.

This regulation came into effect on 21 May 2004.

3. Scope

Background

Following discussions with Colin Efford ems were asked to undertake an audit of the Waterlooville site to identify the status of this building in terms of asbestos management. The buildings audited were the main building, E block, Beam block and the restaurant. An inspection of all accessible parts of the building was carried out to determine the materials used in the construction.

Building location and usage

The four blocks that form the Waterlooville site are of different ages. The main building and E block were constructed in approximately 1903, with the restaurant in 1984. The Beam block was added in 1996.

4. Executive summary

There was little documentation available during our audit relating the base build and the materials used. However, Johnson Controls have been on site since the build and were helpful in identifying the materials used. Given the dates of the buildings, they do precede the 1985 ban on sprayed coating and asbestos insulation board. The 1992 ban on decorative coatings and bitumen products means that its use here is unlikely, although all buildings do pre-date the 1999 ban on asbestos use.

The Main Building

This building is of a steel and concrete frame, half glazed with a brick outer skin and a block inner skin. The roof is a concrete slab, with felt and bitumen coating then polystyrene and a stone layer on top. In 1997 a programme of continual refurbishment was carried out. The majority of partitioning in the building was plasterboard, demountable partitions of less than five years old. There are some older partitions, which are laminated chipboard and these are gradually being replaced by the plasterboard type.

In the ceiling void there are some fibreglass fire breaks, which are encased in wire mesh. There are some perimeter boards at ceiling height in the offices, which have been painted various colours, usually brown or green. There was a previous query as to their content and they have been sampled and shown to have no asbestos content. Ceiling tiles were compressed board suspended from the concrete ceiling.

In the Chemistry lab of the main block, the fume cupboards and flues were examined and found to be satisfactory, with no asbestos content. The cold water storage tanks in the roof plant rooms were lagged with Rockwool, as was the calorifier. There were a number of safes in the ground floor core 4 corridor, approximately 11 in number. There were no keys available to a number of these, although several examined internally were shown to have no asbestos content. However, given the number and variety of safes you should endeavour to open them all to determine if they have an asbestos rope door seal, which needs including in your management plan.

E Block

This building was constructed in 1983 of a steel frame structure and externally clad with pre-formed plastic coated sheeting, with the internal walls of block construction. The roof is metal clad, with the mezzanine offices refurbished in 2001 and a major refurbishment of the building started in 2003. An inspection of the building was carried out and in the roof plant room was a considerable amount of Rockwool, with foil backing behind the external panels. Partitioning was generally single skin plasterboard.

E Block (cont...)

In the old pump house of E block there was a considerable amount of Superlux boarding on the wall. Superlux is a non-asbestos containing material, which can be differentiated by the presence of mica in the board. At high level in the old pump house was also some Vicuclad boarding. Vicuclad is manufactured from exfoliated vermiculite with an inorganic binder. Its data sheet details it as a non-hazardous product. It the main boiler house was some more Vicuclad boarding, which is yellow in colour, with some Vicutube on the pipework in the main switch room. Further Supalux boarding was found over the main entrance to the boiler house, where the pipe lagging was also Rockwool.

Beam Block

This building was constructed in 1996 and is a steel frame structure, externally clad with pre-formed plastic coated sheets, with the internal walls of a block construction at half height. The roof is metal clad, with the internal testing tank built in 1997 and a mezzanine floor constructed in 2002. Given the date of the build, the only possible material used of an asbestos content would be asbestos cement sheeting. It is therefore highly unlikely that any ACMs will be present in the building. This was demonstrated through the inspection of the building, with revealed Rockwool insulation pipe lagging and no other suspect materials.

The Restaurant Block

The building is of a clad steel frame structure, with the dining area having a glass skin with a low brick and block wall. The kitchen and utility area has a brick outer skin and a block wall construction. The roof is a concrete slab with felt and bitumen, with polystyrene and a stone layer on top. The Servery was refurbished in 2001, with the Brambles room refurbished in 2002. The only area of concern was in the roof plant room boiler room, where there are five Hamworthy boilers. Previously, two had been removed and were found to have an asbestos content. However, there are good current control measures in place with a sign on the boilers saying there is presumed asbestos and also the fact that this boiler room has restricted access as it is kept locked, with a key held with Security.

Security Block

During our inspection, there was some concern as to the material used for the boarding in the ceiling void. This was examined and found to be Superlux board. The rest of the building is essentially block work.

5. Report findings

5.1 Policy

BAE Systems Electronics Ltd Underwater Systems Division, have a general policy statement for Health and Safety signed by A N Williams, Managing Director. This recognises their obligations to comply with the requirements of the Health and Safety at Work Act 1974, the Management of Health and Safety at Work Regulations 1999 and all other related safety legislation that may apply to the Division and its employees. The Control of Asbestos at Work Regulations 2002 do fall under the auspices of the Health and Safety at Work Act 1974, although it would be prudent to have a specific policy regarding asbestos in order that it receives the full management recognition that it warrants.

There is also an Environmental Protection Policy PL00002 for the Underwater Systems Division and a Safety, Health and Environment (SHE) policy statement. Both of these similarly recognise the Divisions obligations to provide a safe and healthy working environment.

Action

A specific policy regarding asbestos should be inserted as an appendix to the main general policy statement for Health and Safety, to ensure that it receives full management recognition and support.		
Task allocated to:		Task to be completed by:
Date completed:	Company:	Signature:

5.2 Responsibilities

At the time of our audit we were provided with a Safety, Health and Environment (SHE) organisation and responsibility chart. This details the roles and responsibilities for individuals from Managing Director to Safety, Health and Environmental Steering Group, the Environmental Focus Group and the Health and Safety Committee. It clearly defines the roles and responsibilities of individuals involved in the health and safety process. However, it is not clear who is responsible for the management and communication of asbestos issues on a day-to-day basis.

Action

Within the health and safety reporting structure, an individual should have a clear day-to-day responsibility for the management and communication of BAE Systems policy towards asbestos. Ideally, a nominated deputy should also be specified in the event of absence.
Task allocated to: Task to be completed by:
Date completed: Company: Signature:

5.3 Risk assessment

As part of the overall company policy, there is a section on risk assessments, SHECOP 6, which recognises the Company's duty to fulfil risk assessments under the requirements of the Management of Health and Safety at Work Regulations 1999, and to carry out a suitable and sufficient assessment of the risks to the health and safety of employees, which they may be exposed to whilst at work.

With the only recognised ACMs on site being the presumed asbestos in the Restaurant boilers, the need for specific risk assessments regarding asbestos are negated. This applies to both the material and priority assessments detailed in the asbestos guidance. However, if any information is received that leads to the suspicion that there may be some asbestos on the premises, this needs to be reviewed.

Action

If ACMs are identified on site in the future, management priority should be determined by carrying out a risk assessment that takes into account such factors as maintenance activity, occupant activity and likelihood of disturbance.
Task allocated to: Task to be completed by:
Date completed: Company: Signature:

5.4 Written scheme

A written scheme is designed to detail the measures in place to ensure the safe management of ACMs on site. Given the only ACMs are the presumed materials in the boilers in the Restaurant and potential safe linings in the ground floor of core 4, the written scheme should be fairly basic. This should basically detail the frequency of inspection of the boilers and safes to ensure no damage has occurred and that should the boilers be removed, this is done under controlled conditions.

Action

A brief written scheme should be drawn up, which should detail how the presumed ACMs in the restaurant boilers and the on site safes, are to be managed. Regular inspection to ensure no deterioration has occurred would be the most practical, though should such time come that the boilers are removed you should ensure this is carried out under controlled conditions by licensed contractors.
Task allocated to: Task to be completed by:
Date completed: Company: Signature:

5.5 Training

No specific training is required for on site personnel with regard to the management of asbestos, as there is minimal in the building. However, given the presumed asbestos content in the boilers and the potential safe linings, you should ensure that the on site maintenance contractors are aware of its presence.

Although staff should have no concerns regarding the presence of asbestos in their workplace, you should consider how BAE Systems would respond to general enquiries on the subject.

Action

BAE Systems should formulate a response to staff should they have any concern regarding the presence of asbestos in their workplace.		
Task allocated to:	Task to be completed by:	
Date completed:	Company:	Signature:

5.6 Implementing controls

There is currently a robust permit to work scheme operating on site. This ensures that any works being carried out follow the appropriate procedures and checking. The only recognised ACMs on site are in the Restaurant boiler rooms and given that the boilers are labelled as containing presumed asbestos and the fact that the boiler room is kept locked with a key only available at Security for authorised personnel, current control measures in place are satisfactory.

No further actions are required at this time.

5.7 Checking, inspecting and monitoring

You should instigate a checking regime to ensure that the boilers in the Restaurant plant room and the potential safe linings, have not been disturbed or accidentally damaged. Current guidance states that this should be carried out on a minimum of an annual basis.

Action

You should instigate a checking, inspecting and monitoring regime for the boilers in the Restaurant plant room and the on site safes, to ensure they have not been accidentally damaged or disturbed. Current guidance states that this should be a minimum of an annual basis.
Task allocated to: Task to be completed by:
Date completed: Company: Signature:

5.8 Records

This exercise has helped you demonstrate that asbestos management has been considered. Any information proving absence or presence needs to be maintained.

Action

All information relating to asbestos needs to be made available, to demonstrate that there is none in the buildings examined, but that its presence has been considered.		
Task allocated to:		Task to be completed by:
Date completed:	Company:	Signature:

5.9 Review

A positive step has already been taken in carrying out this Asbestos Management Review to challenge the systems in place at the BAE Systems Underwater Systems Division. This has also highlighted what more is needed in order to comply with the new Control of Asbestos at Work Regulations 2002 (CAW) and in particular Regulation 4.

A periodic review should be carried out to establish if any new information is received that leads to the suspicion that there may be some asbestos in the building.

Regulation 4 (6) states that "The duty holder should ensure that the assessment is reviewed forthwith if (a) there is reason to suspect that the assessment is no longer valid or; (b) there has been a significant change in the premises to which the assessment relates."

Action

A periodic review to ensure that no information has been received that leads to the suspicion that ACMs are present in the building should be carried out and appropriately documented.		
Task allocated to:		Task to be completed by:
Date completed:	Company:	Signature:

Signed by:

.....
Warren Lynch
ems Site Consultant

.....
ems Technical Approval

APPENDICES

Appendix

PHOTOGRAPHS

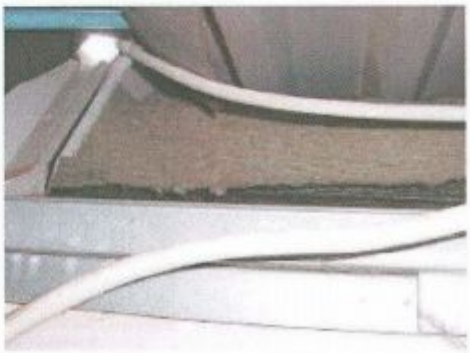
Address: Underwater Systems Division, Elettra Avenue, Waterlooville PO7 7XS

Visit date: 12 July 2004

E block



Foil encased Rockwool behind external panelling in roof plant room



Rockwool behind external panels



Single skin plasterboard partitioning



Encased Rockwool on main air distribution duct

Appendix

PHOTOGRAPHS

Address: Underwater Systems Division, Elettra Avenue, Waterlooville PO7 7XS

Visit date: 12 July 2004

Beam block



Steel girders and metal sheet roof



Rockwool lagging on pipes

Appendix

PHOTOGRAPHS

Address: Underwater Systems Division, Elettra Avenue, Waterlooville PO7 7XG

Visit date: 12 July 2004

E block



Supalux low level board and Vicuclad at high level in old pump house



Vicutube in main switch room



Supalux board in void of security block



Steel frame and Rockwool insulation in stores

Appendix

PHOTOGRAPHS

Address: Underwater Systems Division, Elettra Avenue, Waterlooville PO7 7XS

Visit date: 12 July 2004

E block/main building



Rockwool infill behind exterior panels in stores



Compressed board tiles in 1st floor office



Concrete slab in main building



Warning sign adjacent restaurant boilers

Appendix 5

Historical Maps

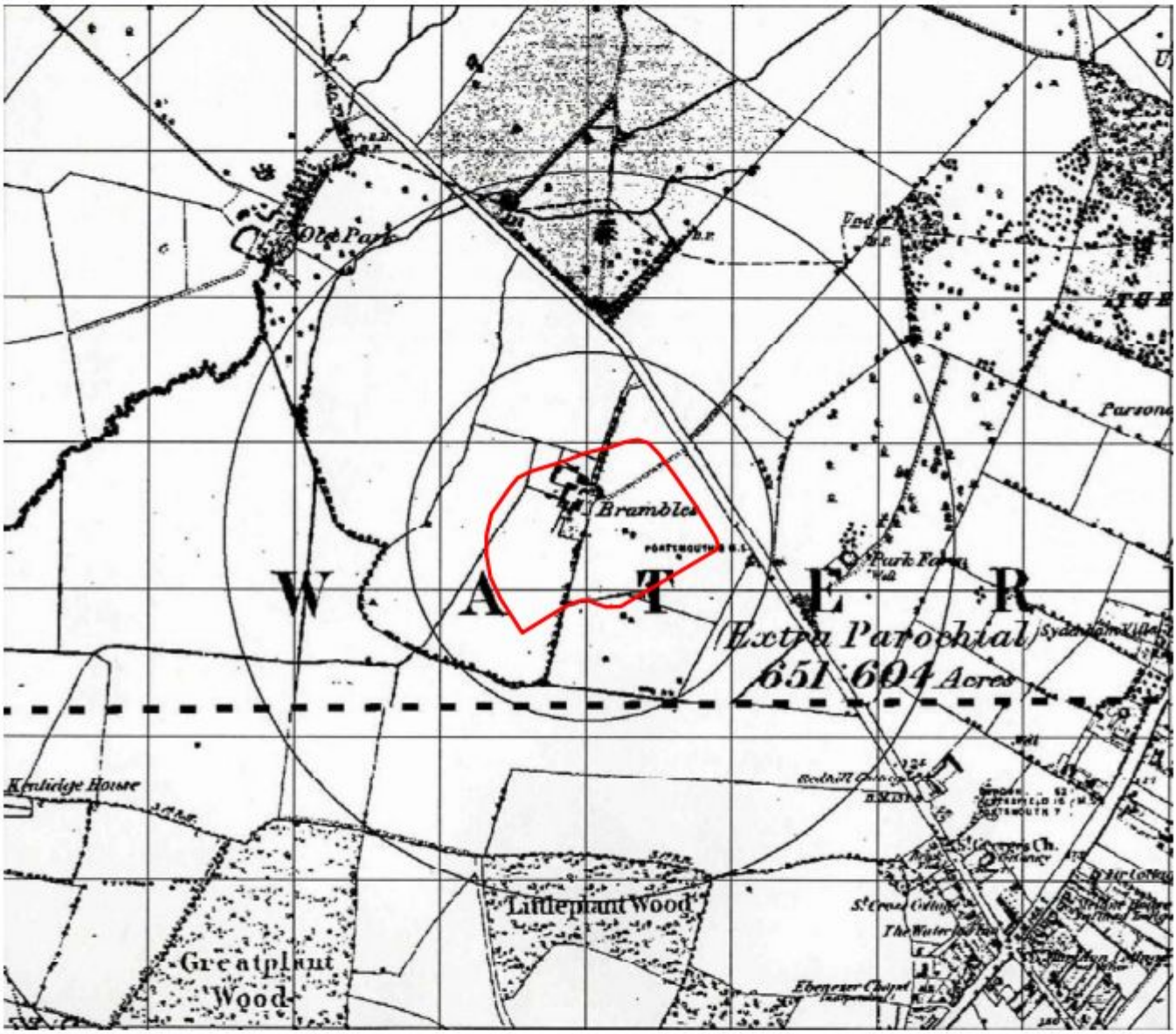


FIGURE TITLE :

Historical Plan – 1870-1880

PROJECT :

BAE Systems Waterlooville

REPORT NUMBER :

B0054-00-R1-1

BAE SYSTEMS

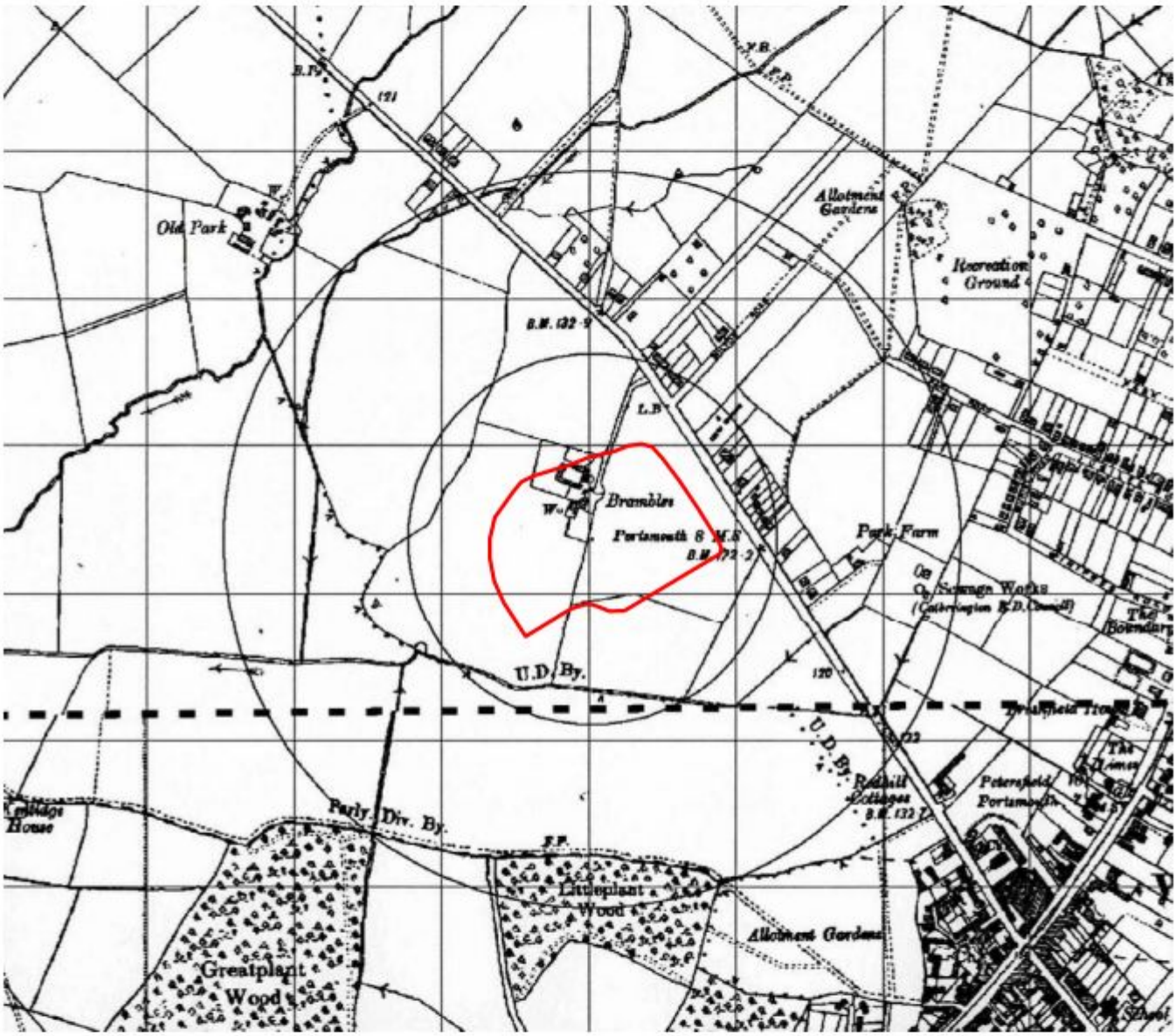
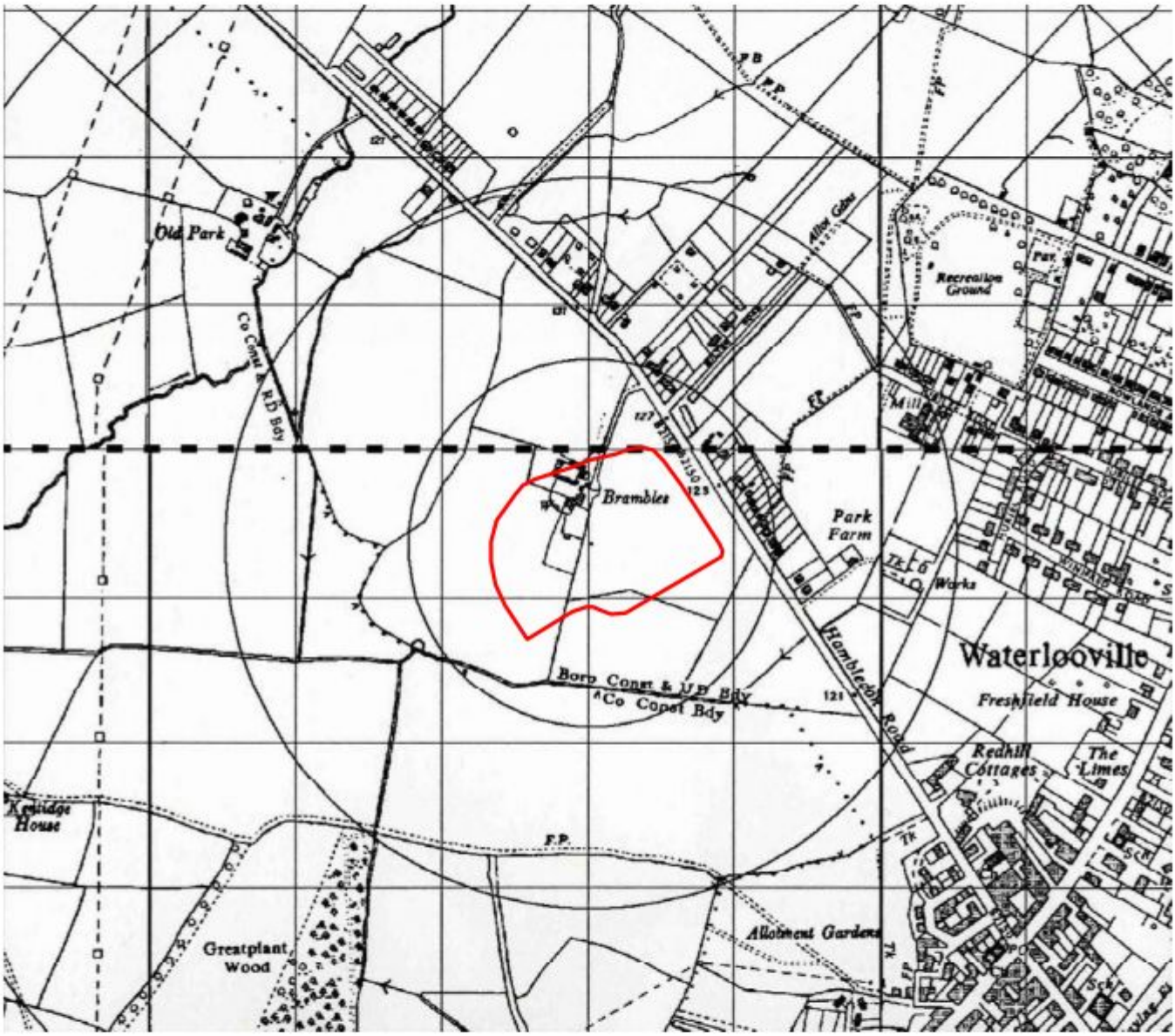


FIGURE TITLE : Historical Plan – 1933-1938	BAE SYSTEMS
PROJECT : BAE Systems Waterlooville	REPORT NUMBER : B0054-00-R1-1



Approximate Site Boundary

FIGURE TITLE :

Historical Plan – 1962-1963

PROJECT :

BAE Systems Waterlooville

REPORT NUMBER :

B0054-00-R1-1

BAE SYSTEMS

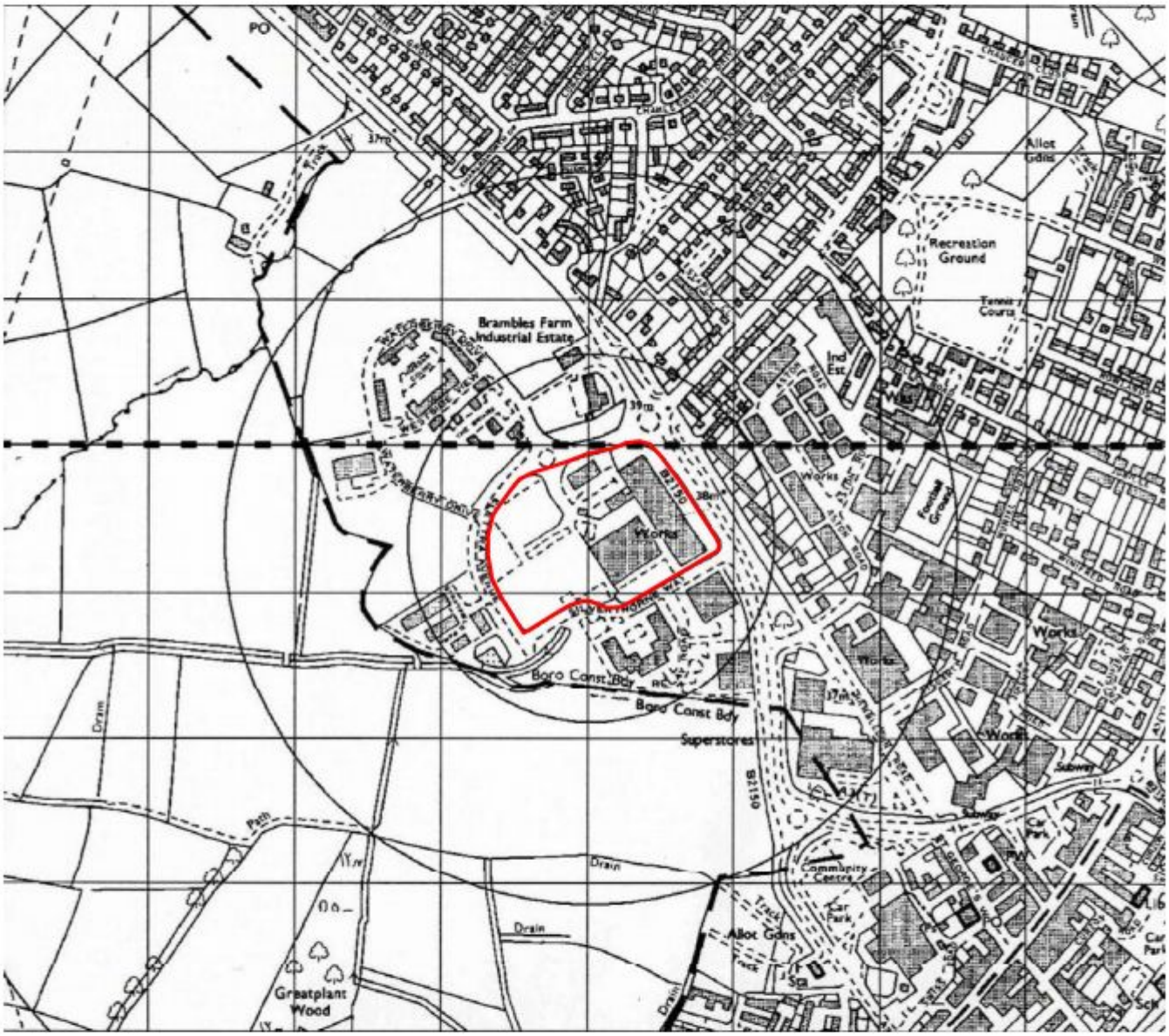


FIGURE TITLE :

Historical Plan – 1991-1992

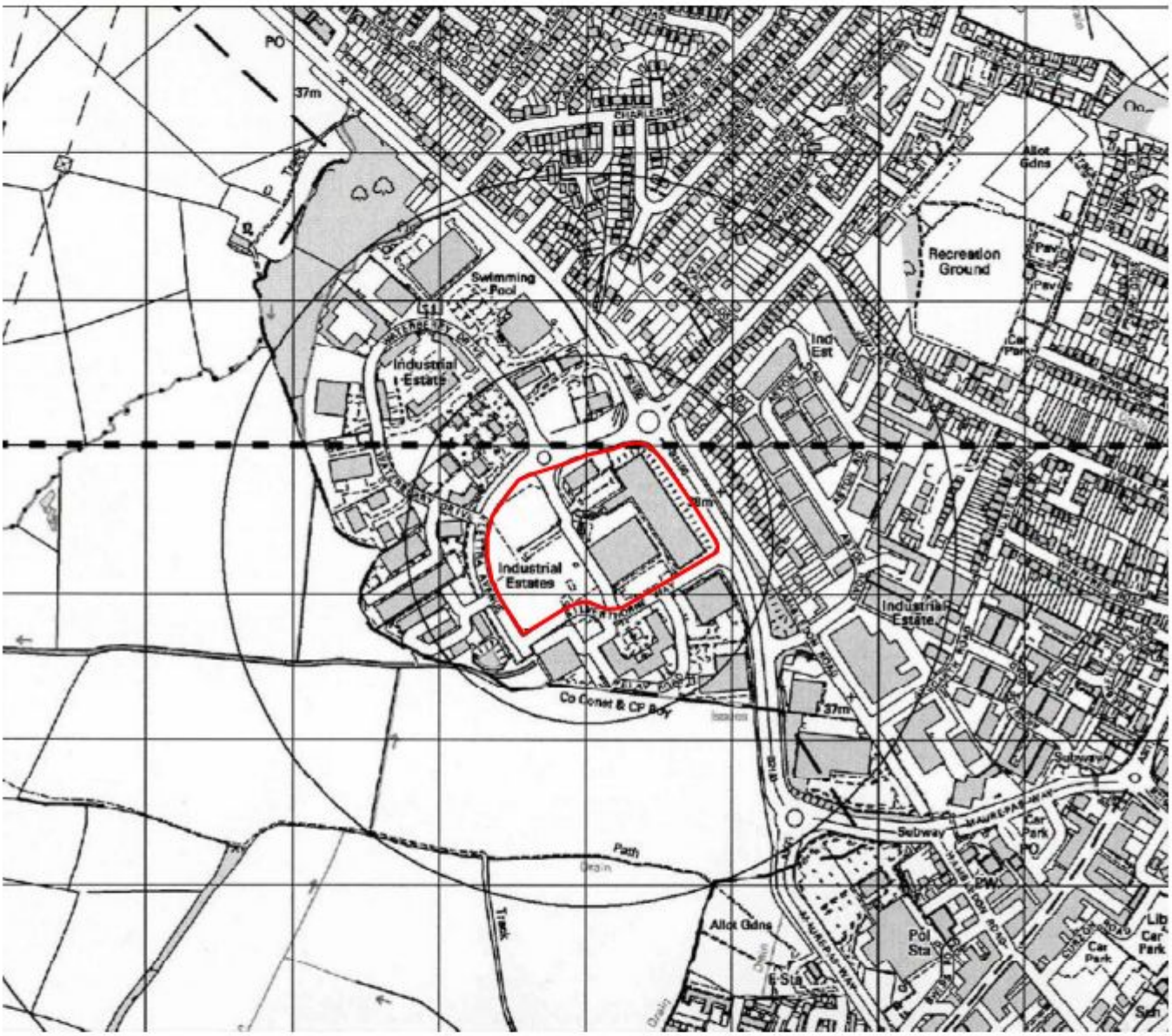
PROJECT :

BAE Systems Waterlooville

REPORT NUMBER :

B0054-00-R1-1

BAE SYSTEMS



Approximate Site Boundary

FIGURE TITLE :

Historical Plan – 2000

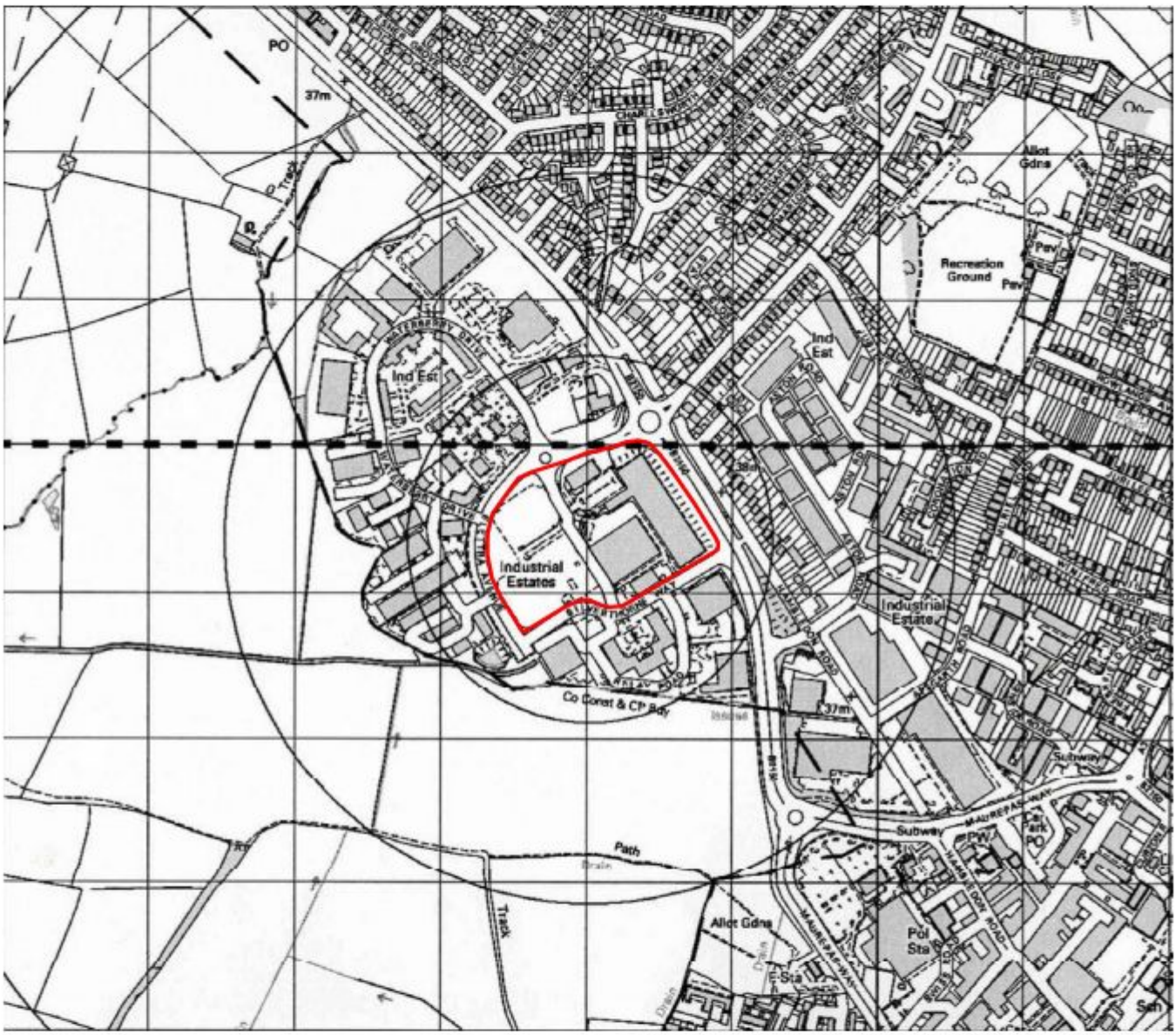
PROJECT :

BAE Systems Waterlooville

REPORT NUMBER :

B0054-00-R1-1

BAE SYSTEMS



Approximate Site Boundary

FIGURE TITLE : Historical Plan – 2008	BAE SYSTEMS
PROJECT : BAE Systems Waterlooville	REPORT NUMBER : B0054-00-R1-1

Appendix 6

Aerial Photographs



Approximate Site Boundary

FIGURE TITLE :

Aerial Photograph – 10th March 1948

PROJECT :

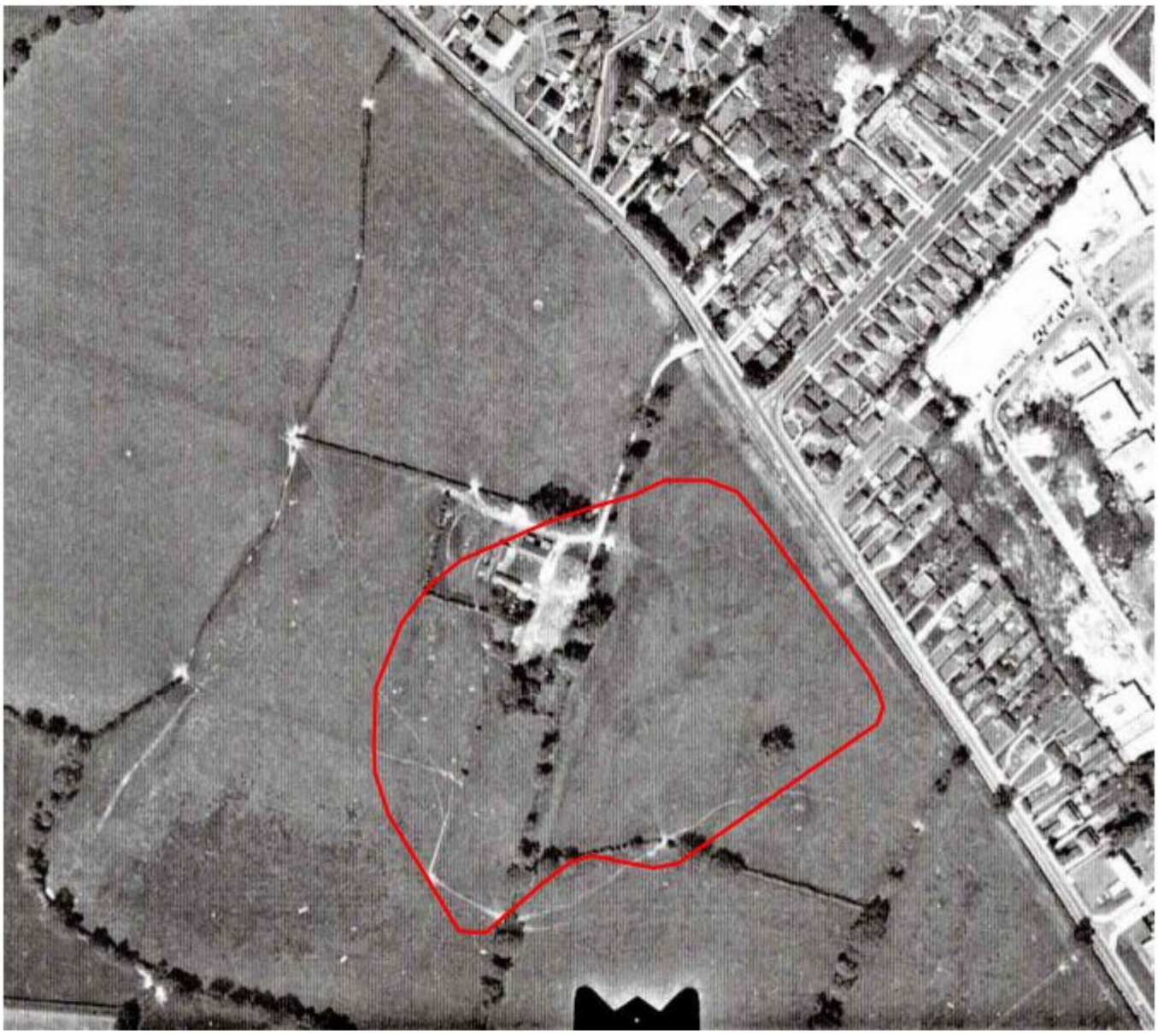
BAE Systems Waterlooville

REPORT NUMBER :

B0054-00-R1-1

BAE SYSTEMS

N



Approximate Site Boundary

FIGURE TITLE :

Aerial Photograph – 11th June 1969

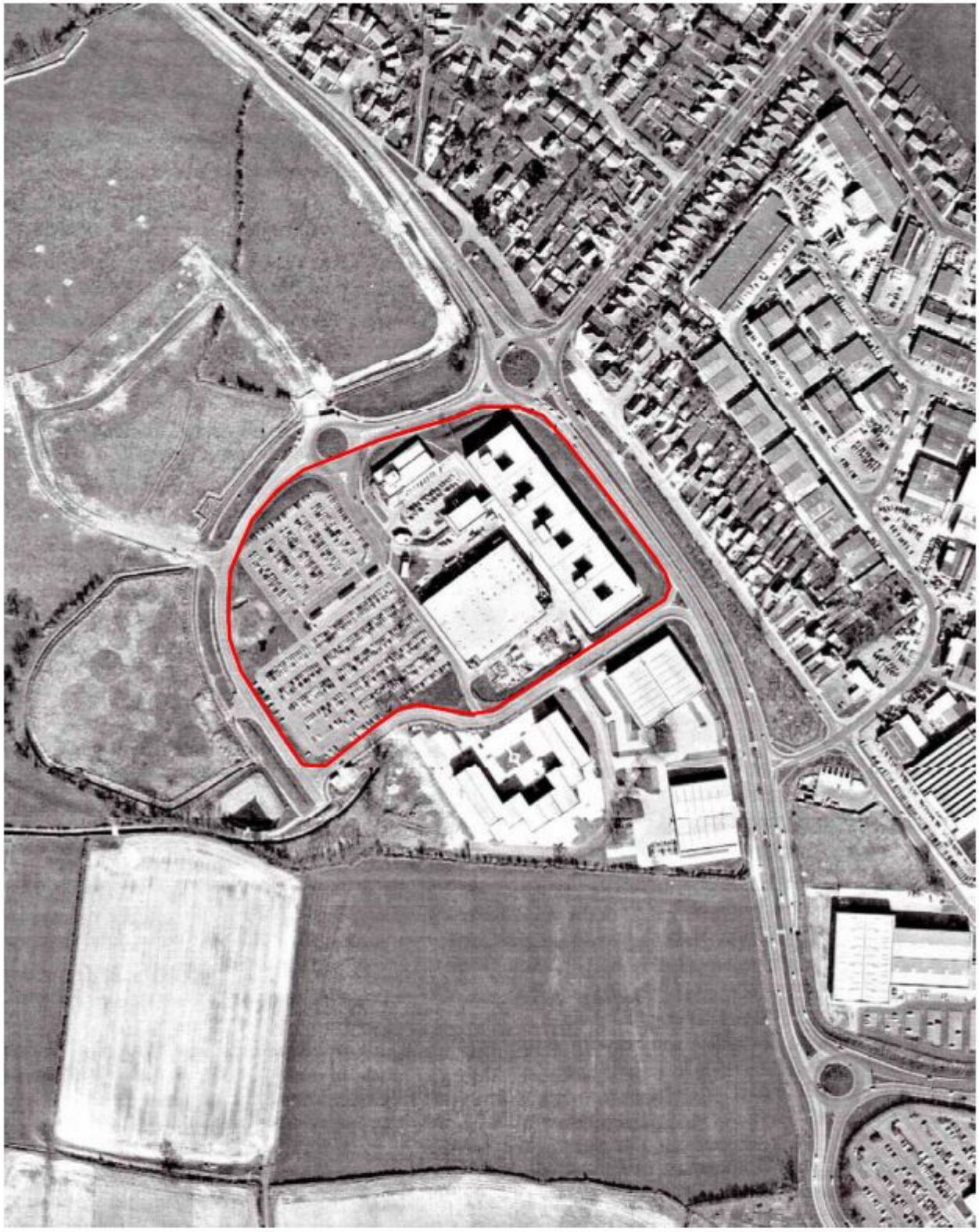
PROJECT :

BAE Systems Waterlooville

REPORT NUMBER :

B0054-00-R1-1

BAE SYSTEMS



Approximate Site Boundary

FIGURE TITLE :

Aerial Photograph – 2nd March 1988

PROJECT :

BAE Systems Waterlooville

REPORT NUMBER :

B0054-00-R1-1

BAE SYSTEMS



Approximate Site Boundary

FIGURE TITLE :

Aerial Photograph – 2008

PROJECT :

BAE Systems Waterlooville

REPORT NUMBER :

B0054-00-R1-1

BAE SYSTEMS

Appendix 7

Walkover Photographs



Photograph 1: Culverted stream



Photograph 2: Overflow storm drain

FIGURE TITLE : Site Walkover Photographs	BAE SYSTEMS
PROJECT : BAE Systems Waterlooville	REPORT NUMBER : B0054-00-R1-1



Photograph 3: Location of UST



Photograph 4: Location of former bulk diesel storage tank

FIGURE TITLE : Site Walkover Photographs		BAE SYSTEMS
PROJECT : BAE Systems Waterlooville	REPORT NUMBER : B0054-00-R1-1	



Photograph 5: Back-up generator diesel storage tank



Photograph 6: Nitrogen storage tank

FIGURE TITLE : Site Walkover Photographs		BAE SYSTEMS
PROJECT : BAE Systems Waterlooville	REPORT NUMBER : B0054-00-R1-1	



Photograph 7: Goods-in storage area



Photograph 8: General storage area

FIGURE TITLE : Site Walkover Photographs		BAE SYSTEMS
PROJECT : BAE Systems Waterlooville	REPORT NUMBER : B0054-00-R1-1	



Photograph 9: Flammable store



Photograph 10: Waste storage area

FIGURE TITLE : Site Walkover Photographs		BAE SYSTEMS
PROJECT : BAE Systems Waterlooville	REPORT NUMBER : B0054-00-R1-1	



Photograph 11: Hazardous waste storage area



Photograph 12: Drums containing contaminated rags and PPE

FIGURE TITLE : Site Walkover Photographs	BAE SYSTEMS
PROJECT : BAE Systems Waterlooville	REPORT NUMBER : B0054-00-R1-1



Photograph 13: Skip containing general waste



Photograph 14: Waste storage area for MoD equipment

FIGURE TITLE : Site Walkover Photographs		BAE SYSTEMS
PROJECT : BAE Systems Waterlooville	REPORT NUMBER : B0054-00-R1-1	