

## 5. Geology and Soils



## **5.1 Phase 1 Geo-environmental Desk Study, SKM**



# ANFIELD STADIUM EXPANSION, LIVERPOOL



## PHASE 1 GEO-ENVIRONMENTAL DESK STUDY REPORT

- Final
- December 2013



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**Appendix B Envirocheck Report**

**Appendix C Borehole Records**

**Appendix D Classification of Sensitivity**

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## Executive Summary

<b>Background</b>	<p>SKM has been commissioned to undertake a Phase I Geo-environmental Desk Study for the land at Anfield Football Stadium, Liverpool, Merseyside.</p> <p>It is understood that the desk study is required to support proposals relating to the redevelopment of the site, which is to comprise expansion of the existing stadium and likely provision of new landscaping and car parking. The detailed scheme design has yet to be finalised.</p>	
<b>Study</b>	<p>The study has comprised:</p> <ul style="list-style-type: none"> <li>■ A desk study to identify the site history and site's environmental setting,</li> <li>■ A preliminary desk based risk assessment.</li> </ul> <p>This information has been developed into a conceptual model of environmental risk. Where the model indicates that insufficient information is available to assess the potential risk, recommendations for further investigation have been proposed.</p> <p>A desk top geotechnical assessment has also been undertaken as part of this commission in order to identify any significant potential geotechnical constraints and provide preliminary geotechnical design recommendations.</p>	
<b>Potential contaminated land risks</b>	<b>Identified Source-Pathway-Receptor Linkages</b>	<b>Potential Environmental Risks (moderate or greater)</b>
	<p>Sources: Made Ground from historical residential development of the site, fuel stations (off site) and potential infilled former quarries (off-site).</p> <p>Receptors: future site users, construction workers, controlled waters, and buildings.</p>	<p>There is considered to be a low to moderate risk to human health and controlled waters receptors with respect to potential soil and / or groundwater contamination associated with historical land uses at and adjacent to the site.</p>
<b>Preliminary Geotechnical Review</b>	<p>The generalised stratigraphy anticipated is surface materials i.e. topsoil or tarmacadam and/or Made Ground overlying Sand and/or Sherwood Sandstone.</p> <p>Obstructions including basements and foundations are anticipated in the locality of the terrace houses which will be demolished to make way for the expansion of Anfield Stadium.</p> <p>Light, medium and some heavily loaded structures may be founded at shallow depths where competent sandstone is encountered in keeping with the current stand foundations. For more substantially loaded structures deeper foundation solutions such as piles or anchors may be required.</p>	



## Recommendations

Recommendations have been made with respect to:

- **Site Investigation.** In order to quantify the risks highlighted above associated with soil and groundwater contamination and ground gas, an appropriate site investigation should be undertaken. This should include sampling and chemical testing of soils and groundwater and monitoring of ground gases. The site investigation should also be designed to obtain the necessary data required for geotechnical design including foundation design. It is recommended that this site investigation is designed and put out to competitive tender at the earliest opportunity once access to the development site can be achieved (e.g. following demolition of remaining residential properties)

## 1. Introduction

Aspect	Description
<b>Background</b>	SKM has been commissioned to undertake a Phase I Geo-Environmental Desk Study for land at Anfield Stadium, Liverpool, Merseyside (see Figure 1). It is understood that the desk study is required to support the proposed redevelopment of the stadium complex.
<b>Development</b>	Indicative development proposals for the site available at the time of writing comprise the redevelopment of the existing stadium to facilitate increased seating capacity. The current proposals include addition to the existing Main Stand with a new seven storey three tier stand. Future options may also include the expansion of the Anfield Road stand. It is envisaged that the remaining site areas will be developed with a mixture of hard and soft landscaping and car parking however the scheme design has yet to be finalised.
<b>Objectives</b>	To characterise the environmental setting of the site, determine likely sensitive receptors and assess the potential current and historical sources of both on and off site contamination. To provide a preliminary assessment of the significance of environmental risks (if any). To identify any significant potential geotechnical constraints and provide preliminary geotechnical design recommendations. To provide recommendations with respect to intrusive site investigation.

■ **Figure 1 - Site Location Plan**



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## 2. Report Scope

### 2.1. Sources of information

The sources of information used to inform this report are summarised in Table 2-1 below.

■ **Table 2-1 Summary of Sources of Information**

Source	Use
BGS 1:63,360 Series Geological Map (Sheet 96 – Liverpool)	General geological description of site.
Site visit undertaken on 20 <sup>th</sup> November 2013	Enable visual identification of topographical arrangement of area surrounding the proposed expansion. Enable identification of surrounding land use and possible geo-environmental constraints.
Landmark Envirocheck Report	Historical Information. Full Envirocheck Report is provided in Appendix B, SKM Enviro, 2012.
New Liverpool Stadium, Anfield, Detailed Human Health Risk Assessment and Remediation Method Statement, SKM, 2007.	General site and environmental information for the adjacent Stanley Park site.
Liverpool Football Club Stadium, Stage E Engineering Report – Geotechnical, SKM, March 2007	General site and geotechnical information for the adjacent Stanley Park site.
Anfield Stadium Expansion, Design Proposals Presentation, Liverpool Football Club, 2012.	General understanding of the proposed expansion works and Master Plan.

### 2.2. Available Borehole Information

The Borehole Record Viewer on the BGS website allows users to access the National Geoscience Data Centre Collection of onshore scanned borehole records

From SKMs interrogation of the Borehole Record Viewer, 5 No. records were marked as being restricted within the Masterplan area, these are identified as Liverpool Football Ground (KOP stand) SJ39SE164, SJ39E165, SJ39E166, SJ39E167 and SJ39E168; it would be of benefit to obtain these records from Liverpool Football Club.

Extensive site investigation has been undertaken on the adjacent Stanley Park site between 2003 and 2007. A list of the available borehole records are detailed below in Table 2-2 and exploratory hole logs are provided in **Appendix C**.

■ **Table 2-2 List of Borehole Records from the adjacent Stanley Park Site**

Exploratory Hole Number	Company Name	Year	Depth (mbgl)
RH01	Soil Mechanics/SKM	2007	30.0
RH02	Soil Mechanics/SKM	2007	30.1

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RH03	Soil Mechanics/SKM	2007	30.0
RH04	Soil Mechanics/SKM	2007	30.0
BH1	Soil Mechanics/SKM	2007	1.13
BH2	Soil Mechanics/SKM	2007	1.5
BH3	Soil Mechanics/SKM	2007	0.85
BH4	Soil Mechanics/SKM	2007	1.03
TP1	Soil Mechanics/SKM	2007	1.6
TP2	Soil Mechanic/SKM	2007	1.7
TP3	Soil Mechanics/SKM	2007	2.5
TP4	Soil Mechanics/SKM	2007	1.0
TP5	Soil Mechanics/SKM	2007	1.0
TP6	Soil Mechanics/SKM	2007	1.5
TP7	Soil Mechanics/SKM	2007	1.4
TP8	Soil Mechanics/SKM	2007	2.5
HP1	Soil Mechanics/SKM	2007	1.2
HP2	Soil Mechanics/SKM	2007	0.53
HP3	Soil Mechanics/SKM	2007	1.15
BH1	Soil Mechanics/Ove Arup & Partners Ltd.	2003	38.9
BH2	Soil Mechanics/Ove Arup & Partners Ltd.	2003	38.35
BH3	Soil Mechanics/Ove Arup & Partners Ltd.	2003	22.0
BH4	Soil Mechanics/Ove Arup & Partners Ltd.	2003	23.85
BH5	Soil Mechanics/Ove Arup & Partners Ltd.	2003	12.7
BH6	Soil Mechanics/Ove Arup & Partners Ltd.	2003	13.5
BH7	Soil Mechanics/Ove Arup & Partners Ltd.	2003	12.95
BH8	Soil Mechanics/Ove Arup & Partners Ltd.	2003	12.45
BH9	Soil Mechanics/Ove Arup & Partners Ltd.	2003	12.8
BH10	Soil Mechanics/Ove Arup & Partners Ltd.	2003	12.95
BH11	Soil Mechanics/Ove Arup & Partners Ltd.	2003	12.6
BH12	Soil Mechanics/Ove Arup & Partners Ltd.	2003	12.6
TP1	Soil Mechanics/Ove Arup & Partners Ltd.	2003	1.2
TP2	Soil Mechanics/Ove Arup &	2003	2.6

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	Partners Ltd.		
TP3	Soil Mechanics/Ove Arup & Partners Ltd.	2003	1.2
TP4	Soil Mechanics/Ove Arup & Partners Ltd.	2003	1.6
TP5	Soil Mechanics/Ove Arup & Partners Ltd.	2003	1.3
TP6	Soil Mechanics/Ove Arup & Partners Ltd.	2003	1.2
WSDP2	Soil Mechanics/Ove Arup & Partners Ltd.	2003	0.35
WSDP3	Soil Mechanics/Ove Arup & Partners Ltd.	2003	0.75
WSDP4	Soil Mechanics/Ove Arup & Partners Ltd.	2003	0.75
WSDP5	Soil Mechanics/Ove Arup & Partners Ltd.	2003	1.4
WSDP9	Soil Mechanics/Ove Arup & Partners Ltd.	2003	0.75
WSDP10	Soil Mechanics/Ove Arup & Partners Ltd.	2003	0.45
WSDP11	Soil Mechanics/Ove Arup & Partners Ltd.	2003	1.0
WSDP12	Soil Mechanics/Ove Arup & Partners Ltd.	2003	0.6
WSDP13	Soil Mechanics/Ove Arup & Partners Ltd.	2003	0.6
WSDP14	Soil Mechanics/Ove Arup & Partners Ltd.	2003	1.6
WSDP15	Soil Mechanics/Ove Arup & Partners Ltd.	2003	0.4
WSDP16	Soil Mechanics/Ove Arup & Partners Ltd.	2003	0.35
WSDP17	Soil Mechanics/Ove Arup & Partners Ltd.	2003	0.75
WSDP18	Soil Mechanics/Ove Arup & Partners Ltd.	2003	0.47
WSDP19	Soil Mechanics/Ove Arup & Partners Ltd.	2003	0.66



## 3. Site Profile

### 3.1. Summary of Site Setting

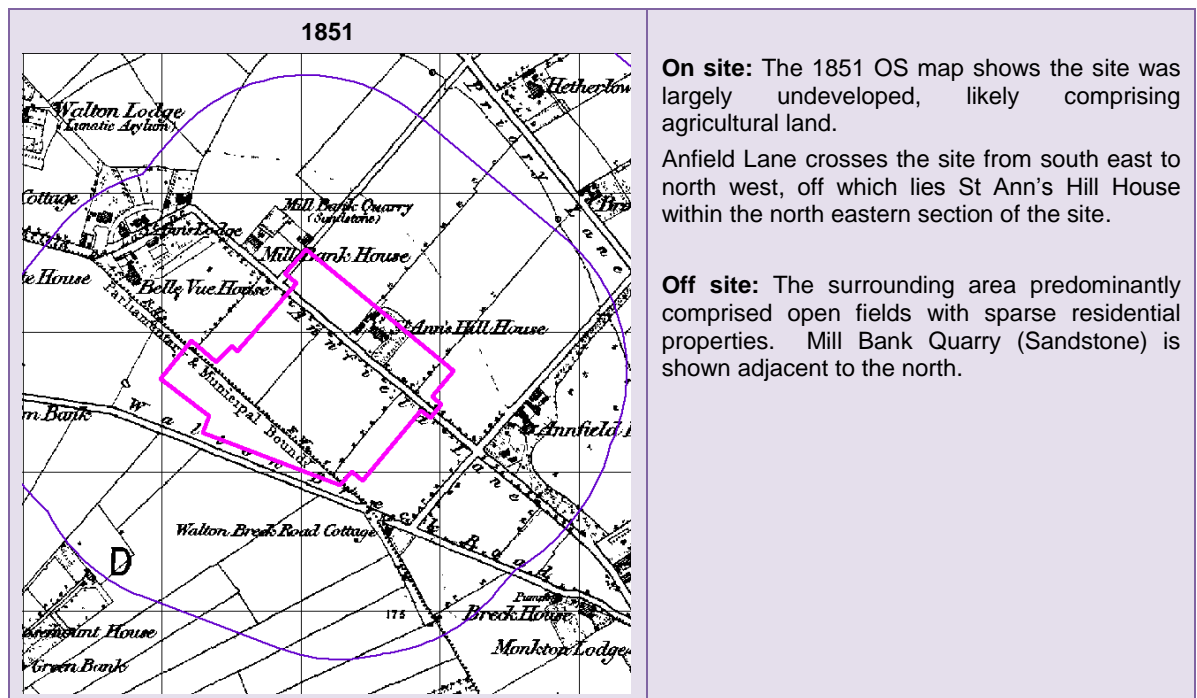
Aspect	Description
Site Location	Land at / adjacent to Anfield Stadium Anfield Liverpool Merseyside
Grid Ref	336210, 393140
Site Area	7.27 ha
Site Description	<p>The site comprises Anfield football stadium and the adjacent areas of land lying to the west, north and northeast. The existing site layout is shown in <b>Appendix A</b>.</p> <p>The existing stadium complex is orientated northeast–southwest and comprises four stands, with a total seating capacity of 45,522. The Anfield Road and Centenary Stands which lie to the northeast and southeast respectively are two-tiered structures, while the Spion Kop (southwest) and Main Stands (northwest) are both single tiered.</p> <p>The areas immediately adjacent to the Centenary and Main Stands comprise secure club car parking. Further areas of hard standing are present off the southernmost corner of the stadium and the area between the Kop Stand, Walton Breck Road and Lake Street. A public house lies adjacent to this area. A substation is located at the corner of the Kop Stand and Centenary Stand.</p> <p>The western and northern parts of the site lying adjacent to the stadium comprise a number of residential streets predominantly occupied with two to three storey terraced housing, encompassing either all or sections of the following roads:</p> <ul style="list-style-type: none"> <li>■ Lake Street</li> <li>■ Tinsley Street</li> <li>■ Gilman Street</li> <li>■ Baltic Street</li> <li>■ Bagnall Street</li> <li>■ Rockfield Road</li> <li>■ Back Rockfield Road</li> <li>■ Alroy Road</li> <li>■ Lothair Road</li> <li>■ Anfield Road</li> </ul> <p>The housing associated with the eastern side of Lake Street, Tinsley Street and Gilman Street has recently been demolished and this area now comprises soft landscaping.</p> <p>With respect to the remaining streets, the vast majority of properties have been boarded up and several appeared to be a considerable state of disrepair. At the time of the site walkover, no access was available to the northern part of Baltic Street.</p> <p>To the north of Anfield Road is a large area of hardstanding, serving as match day car parking and a food park. This area was surrounded by hoarding at the time of the site walkover.</p>



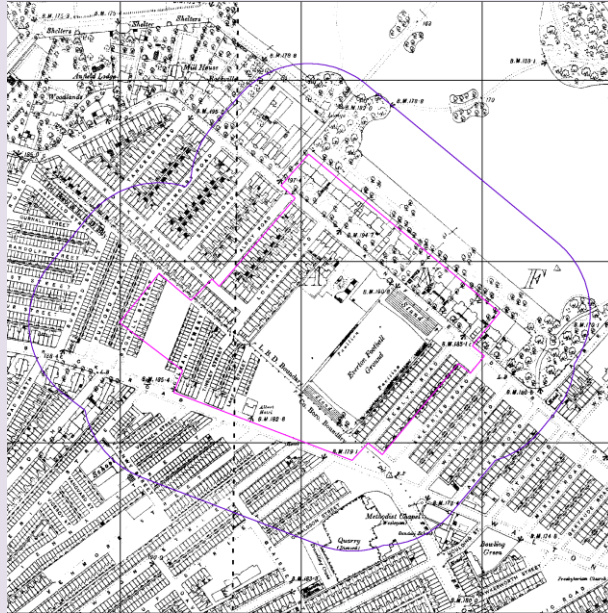
Aspect	Description
<b>Surrounding Land Uses</b>	<p>The site is surrounded by:</p> <p>North: Residential properties, Stanley Park (recreational) and car parking.</p> <p>East: Residential properties, car parking.</p> <p>South: Walton Breck Road, beyond which lie predominantly retail properties, a public house and a church.</p> <p>West: Residential properties.</p>

### 3.2. Site History

The following section presents a review of the historical Ordnance Survey maps available for the site. Full copies of the maps can be found in the Envirocheck report included in **Appendix B**.



1894



**On Site:** The 1894 OS map shows Everton Football Ground, comprising a pitch, two stands and pavilions as partly occupying the footprint of the current stadium. Residential properties had been developed in the west, north and east of the site, associated with Lake Street, Tinsley Street, Gilman Street, Bagnall Street, Rockfield Road, Alroy Road, Lothair Road, Anfield Road and Kemlyn Road. A hotel is also shown in the south of the site.

**Off-site:** The surrounding area had been predominantly developed with rows of residential property. Stanley Park is shown to the northeast. A disused quarry is shown approximately 40m south of the site.

1908



**On Site:** The 1908 OS map shows further residential properties had been developed in the west of the site, associated with Baltic Street. The stadium is now denoted as Liverpool Football Ground.

**Off-site:** The quarry to the south is no longer shown.

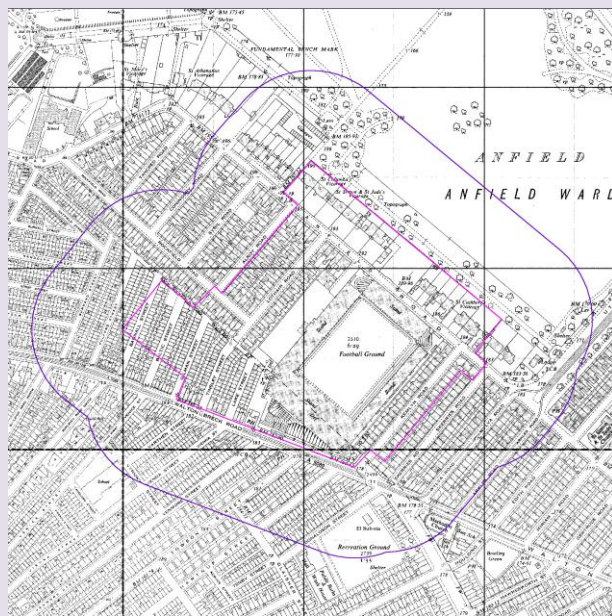
**1927**



**On site:** The 1927 OS map shows that new stands had been constructed associated with the football ground. An embankment is now indicated to the southwest of the stadium, this being used in the construction of the kop stand

**Off Site:** No significant changes noted.

**1951-55**



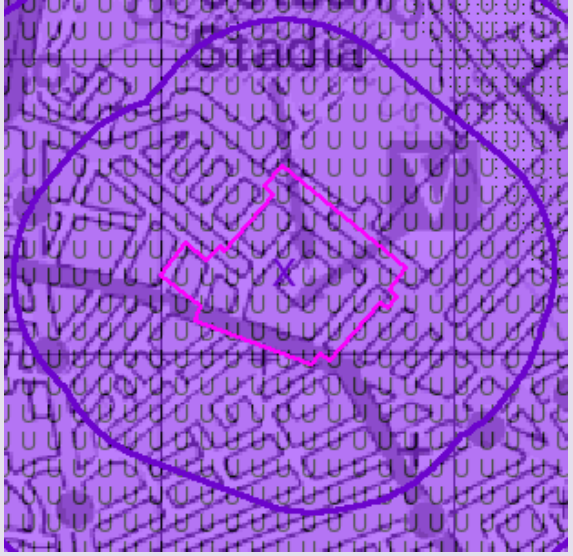
**On site:** No significant changes.

**Off site:** No significant changes noted.





### 3.3. Environmental Setting

Methodology		The classification given for the sensitivity is derived from R&D 66 published by the NHBC, EA, and CIEH (Ref. 1) (see <b>Appendix D</b> ).	
Geology	Unit	Composition	Aquifer Status
	Made Ground	No information available although a thickness of Made Ground is considered likely given historical development of the site.	n/a
	Drift	BGS mapping (Ref. 2) indicates drift deposits are absent beneath the site.	n/a
	Solid	Bunter Pebble Beds Formation - Sandstone, Pebbly (gravelly). This formation is described by the BGS (Ref. 2) as "Sandstone, fine- to coarse-grained, commonly pebbly, with conglomerates and sporadic siltstones".	Principal Aquifer
	Radon	According to BRE211 (2007), the site does not lie within an area which requires Radon protective measures for new buildings (Ref. 6).	
Hydrogeology		<p>The Bunter Pebble Beds Formation is classified as a Principal; Aquifer (Ref. 3) with a high vulnerability soil classification.</p> <p>There is one licensed groundwater abstraction listed within 1km of the site. The abstraction is for recreational purposes associated with Stanley Park Lake and operated by Liverpool City Council.</p> <p>The site does not lie within any designated groundwater Source Protection Zones (SPZ).</p>	<p><b>Bedrock Aquifer Designation</b></p>  <p><b>Geological Classes</b></p> <p>Major Aquifer (Highly Permeable)</p> <p><b>Soil Classes</b></p> <p>High (H) 1, 2, 3, U Intermediate (I) 1, 2 Low</p>
		<p><b>Low Sensitivity (M1). Reasons:</b> Principle Aquifer – moderate vulnerability. The site does not lie within an SPZ and no sensitive groundwater abstractions are located within 1km.</p>	



Hydrology & Flood Risk	The nearest surface water features are ornamental ponds located 446m to the north in Stanley Park. There are no watercourses within 1km of the site.
	The site does not lie within a designated EA floodplain or area benefiting from flood defences.
	<b>Very Low Sensitivity (L2). Reasons:</b> There are no surface watercourses mapped within 1km of the site.

### 3.4. Regulatory Data

Third party database information was sourced from Landmark as part of the study. A review of the regulatory data contained within the Landmark Envirocheck report (refer to **Appendix B**) has highlighted the following pertinent information:

- *Local Authority Pollution Prevention and Controls (LAPPC)* - One currently permitted LAPPC is located within 250m of the site, positioned approximately 119m to the southeast and relates to petrol station operations.
- *Pollution incidents to Controlled Waters* – The nearest recorded pollution incident impacting Controlled Waters occurred 260m to the west of the site in 1995, involving the release of inert suspended solids including asbestos fibre and was classed as a Minor Incident.
- *Waste* – There are no landfill sites located within 500m or waste management facilities located within 250m of the site.
- *Fuel Stations* – One operational fuel station is located within 500m of the site, which lies approximately 409m to the southeast. Two non-operational fuel stations are also recorded, positioned approximately 59m to the southwest and 354m to the northeast. An LAPPC permit is also in operation for a fuel station located 119m to the southeast as described above.
- *Contemporary Trade* – Within 250m of the site, other potentially contaminative land uses include printers, a garage (inactive) and commercial cleaning services.

## 4. Preliminary Risk Assessment

### 4.1. Regulatory Context

National Planning Policy Framework states that where development is proposed, the developer is responsible for ensuring that development is safe and suitable for use for the purpose for which it is intended (Ref. 4). The developer is responsible for determining whether land is suitable for a particular development or can be made so by remedial action; whether the land in question is already affected by contamination through source–pathway–receptor (S-P-R) pollutant linkages and how those linkages are represented in a conceptual model.

Set within the context of the Environment Agency's 'Model Procedures for the Management of Land Contamination' (CLR11) (Ref. 5), the requirement of this preliminary risk assessment report is to identify S-P-R pollutant linkages and to assess if they pose an unacceptable risk.

For land contamination risk to be realised, a 'contaminant linkage' must exist (Ref. 5). A contaminant linkage requires the presence of:

- a source of contamination;
- a receptor capable of being harmed; and
- a pathway capable of exposing a receptor to the contaminant.

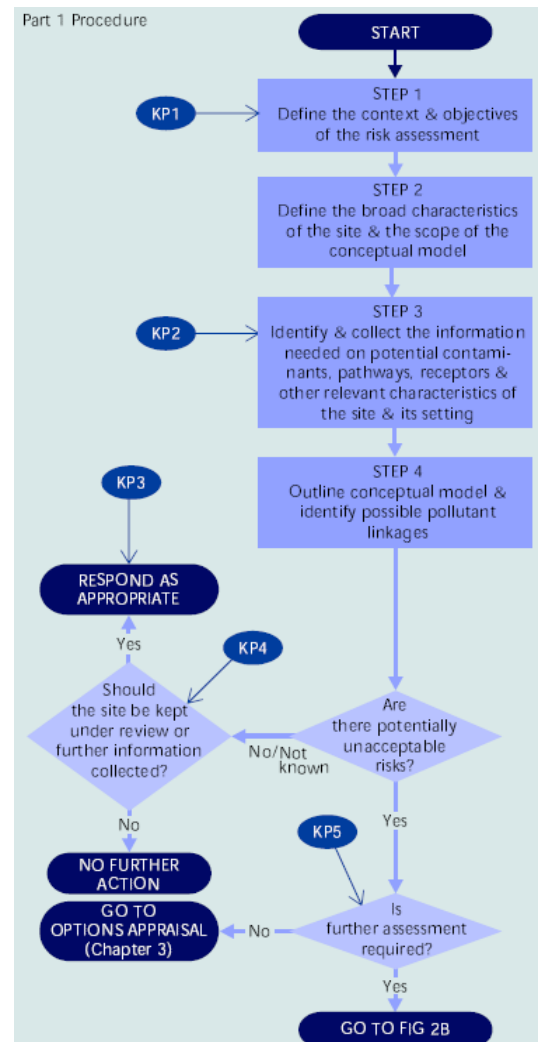
Should S-P-R linkages be identified, then there is a requirement to determine whether they pose a potentially unacceptable risk. If they do, there is a requirement to undertake a Generic Quantitative Risk Assessment (GQRA) and gather further information by undertaking a site investigation.

### 4.2. Conceptual Site Model

The conceptual site model (CSM) and plausible pollutant linkages are defined below based on the desk study information collated in the previous sections. The CSM is based on a proposed commercial end use.

The CSM and preliminary risk assessment assess the potential risks prior to any mitigation measures.

Phase 1 Preliminary Risk Assessment Flowchart



Extracted from CLR11, Environment Agency, 2004

#### 4.2.1. Potential Sources

	Potential source	Potential contaminants	Source to be considered further? Reasons
On Site	Made Ground	Various potential contaminants including metals, hydrocarbons, PAHs, asbestos, sulphate, pH, ground gas	Yes – Potential for presence of contaminants associated with historical demolition of buildings and general site development.
	Substation	PCB's	No – Any transformers unlikely to contain PCB's as substation was constructed post 1990's.
Off Site	Former quarries	Hazardous ground gases	Yes – Although contaminative potential of source is considered to be relatively low given the size and distance of the features, a limited potential remains for ground gas migration associated with unknown fill materials from this source.
	Fuel stations and former garage	Hydrocarbons, PAHs	Yes – Although contaminative potential of source is considered to be very low given distance to potential source.
	Printers	Metals, cyanide, solvents, dyes	Yes – Although contaminative potential of source is considered to be relatively low, a limited potential remains for contaminant migration from this source.



#### 4.2.2. Potential Receptors and Pathways for Proposed Development

Receptor		Direct Pathway	Is pathway capable of exposing a receptor to the contaminant	Indirect pathway	Is pathway capable of exposing a receptor to the contaminant
People	Future site users	Direct contact	No	Inhalation of dust/vapours	No
		Dermal absorption	No	Ingestion of home grown produce	No
		Soil ingestion	No	Migration of hazardous gases via permeable strata	Yes
	Construction workers	Direct contact	Yes	Inhalation of dust/vapours	Yes
		Dermal absorption	Yes	Ingestion of home grown produce	No
		Soil ingestion	No	Migration of hazardous gases via permeable strata	Yes
Controlled waters Groundwater – Principle Aquifer		Spillage/run off/loss direct to aquifer	Yes	Migration via permeable strata	Yes
				Run off via drainage /sewers	No
Controlled waters Surface water		Spillage/run off/loss direct to receiving waters	No	Migration via permeable strata	No
				Run off via drainage /sewers	No
Buildings and services		Direct contact with contaminated soils	Yes	Migration of hazardous gases/vapours via permeable strata	Yes



#### 4.3. Preliminary Risk Assessment for the Anfield site

The Risk Assessment Classification framework is included in **Appendix E**.

Sources	Potential Pollutants	Receptors	Pathways to Receptor	Likelihood of Occurrence	Potential Risk
Made Ground Infilled quarries (off-site) Fuel Stations & disused garage (off-site) Printers (off-site)	Various potential contaminants including metals, hydrocarbons, PAHs, solvents, dyes, asbestos, sulphate, pH, ground gas	Future site users and construction workers	Direct contact Dermal absorption Inhalation Migration of ground gases through permeable strata	Low likelihood Once the development is complete there are likely to be limited exposure pathways to receptors as the development will mostly comprise of buildings and hardstanding. However, some areas of soft landscaping may be incorporated in the final scheme. Risks to construction works can be mitigated through the appropriate management and use of PPE.	Moderate / Low
		Groundwater – Principle Aquifer	Spillage/run off/loss direct to receiving waters Migration via permeable strata	Moderate likelihood Given the likely absence of drift deposits, there may be a direct pathway between any shallow groundwater contamination and the underlying aquifer.	Moderate
		Buildings and Services	Direct contact Migration of ground gases through permeable strata	Low likelihood Limited potential sources of ground gas have been identified, including potential Made Ground deposits and infilled quarries off-site.	Low

## 5. Preliminary Ground Conditions Review

### 5.1. Geology

According to BGS 1:63,360 Series Geological Map (Sheet 91 – Liverpool), the site is underlain in its entirety by the Bunter Pebble Beds, which are now classified as part of the Sherwood Sandstone Group.

### 5.2. Ground Conditions

A summary of the ground conditions encountered at the adjacent Stanley Park site during the previous 2003 and 2007 site investigations is summarised in Table 5-1 below. This general stratigraphic sequence is anticipated at the land at/adjacent to Anfield Stadium. Full copies of the exploratory borehole logs are presented in **Appendix C**.

■ **Table 5-1 Summary of Ground Conditions at the Adjacent Stanley Park Site**

Strata		Recorded Depth (m bgl)		Thickness Range (m)		Characteristics
		From	To	Min	Max	
Surface Materials		0	1.5	0.1	1.5	Topsoil, Tarmaccadam and /or Hardcore.
Made Ground	Granular	0	1.5	0.23	1.5	Dark grey brown slightly clayey gravelly fine to medium SAND or dark grey brown clayey sandy Gravel. Gravel is angular to subrounded fine to coarse of sandstone, brick, concrete, slag and glass with occasional rootlets.
Sand (Weathered Bedrock)		0.2	2.2	0.1	1.0	Orangish brown slightly clayey, slightly gravelly fine to medium SAND. Gravel is angular to subrounded fine to medium of various lithologies with occasional roots.
Bedrock		0.4	38.9	Unproven		Weak to moderately weak SHERWOOD SANDSTONE <i>becoming</i> moderately weak to moderately strong very thinly bedded red brown medium grained SHERWOOD SANDSTONE <i>becoming</i> moderately strong thinly to medium bedded red brown medium grained SHERWOOD SANDSTONE.

## 6. Preliminary Geotechnical Assessment

### 6.1. Summary of Geotechnical Hazards

Table 6-1 below summarises the anticipated geotechnical hazards associated with the development. The table provides an assessment of whether the site may be affected by the hazard and the possible consequences and engineering considerations, based on the desk study and the site investigation results from the adjacent Stanley Park site.

■ **Table 6-1 Preliminary Geotechnical Hazard Assessment**

Hazard Description	Is hazard likely to be present / affect the site? (H / M / L / N / ?)	Possible engineering requirements
Sudden lateral / vertical changes in ground conditions	M	Generally consistent ground conditions were encountered across the area of the investigation at the adjacent Stanley Park site with typically <1.0m Made Ground recorded and a thin layer of up to 1m of sand. Shallow ground bearing structures where adopted may require some localised excavation and re-engineering to ensure a consistent formation layer, overcoming any potential differential settlement.
Shrinkable clay soils	L	BGS mapping indicates that no cohesive deposits are anticipated at the Anfield site.
Highly compressible / low bearing capacity soils, (including peat and soft clay)	L	The presence of highly compressible/low bearing capacity soils were not encountered during the site investigation at the adjacent Stanley Park site.
Dissolution features (including Chalk swallow holes)	N	The site geology is not consistent with this hazard.
Slope stability issues	L	There are no natural / man-made slopes likely to affect the works, other than temporary slopes created during excavation works.
High groundwater table (including waterlogged ground)	L	Groundwater was encountered during the site investigation at very low levels within the bedrock at 27.5m bgl. Perched groundwater table is likely to be present within the Made Ground deposits.
Filled and Made Ground (including embankments)	M	Made Ground up to depths of 1.5m were encountered at the adjacent Stanley Park site. Given the previous development of the site It is likely Made Ground is also present at the land at/adjacent to Anfield Stadium. The Made Ground is expected to be variable and is likely to include concrete, bricks, glass and other anthropogenic materials.

Hazard Description	Is hazard likely to be present / affect the site? (H / M / L / N / ?)	Possible engineering requirements
Obstructions (including foundations, basements, tunnels and adjacent sub-structures)	H	<p>Given the previous development of the site, below ground obstructions and relic structures are likely to be encountered. Obstructions including basements and foundations are anticipated in the locality of the terrace houses which will be demolished to make way for the expansion of Anfield Stadium.</p> <p>Where encountered obstructions and relic structures will require excavation and replacement with suitable engineered fill. Services may also require locally re-routing.</p> <p>The Williamson's Tunnels are located approximately 4km south of the Anfield site and are therefore not considered to be a constraint.</p>
Underground mining	M	<p>Historical plans of the area show several small quarries located close to the site (&gt;40m) in the late 1800's early 1900's. The quarries do not appear on the historical maps after 1908. Although none are shown on the site there remains a possibility that quarries may have existed prior to the earliest published map in 1894.</p> <p>Coal mining records have not been obtained for the site. However, shallow coal working issues are not envisaged; the geological map (1:50,000) cross section indicates thickness of at least 300m of sandstone in these parts of Liverpool.</p>
Adverse chemical conditions (i.e. SO <sub>4</sub> , pH, hydrocarbons etc).	-	No chemical testing at the Anfield stadium site is available. Chemical testing will be required to determine the appropriate concrete classification.
Elevated radon levels	N	The site is not in an area where Radon Protective measures are required for new dwellings and extensions.
Unexploded Ordnances (UXO)	H	The site is in an area indicated to be at high risk from the presence of unexploded ordnance. An UXO survey needs to be undertaken and/or specialist advice sought prior to undertaking any work.
Seismicity	L	The 475 year return period hazard map in Eurocode 8, EN1998-1 (Ref. 7) indicates peak ground accelerations at the site of between 0.00 and 0.02g, which is considered very low.

## 6.2. Foundations

Made Ground and sand deposits are not considered to be suitable as a founding stratum due to the unacceptable risk of total and differential settlement under the high anticipated structural loadings.

Shallow foundations are likely to be viable where bedrock is encountered at shallow depths; the variability in rock strength may require variable excavation depths to achieve a uniform bearing stratum.



If shallow foundations are not considered of sufficient capacity to support the structure, an end bearing piled solution could be adopted to transmit the loads to the competent bedrock below. An alternative option was considered feasible for the proposed new stadium at Stanley Park which may also be feasible at the Anfield Stadium site to deal specifically with high tensile forces. This consists of a system of steel cables and mast elements in which the cable system will be anchored to the ground through a series of backstay anchor blocks and the cable tension forces are transmitted through the anchor blocks into a series of ground anchors extending down into the competent rock.

A full detailed foundation design should be undertaken in accordance with the requirements of Eurocode 7 once final ground profile and detailed structural loadings become available to give the most economical solution.

### **6.3. Floor Slabs**

Made Ground was recorded to be generally less than 1.0m in thickness across the area of the proposed extension, and therefore would indicate ground bearing slabs may be achievable if founded directly onto the Sherwood Sandstone, or an engineered layer of granular material placed directly above the bedrock. It is recommended that a consistent formation level is achieved under geotechnical supervision prior to casting the floor slab.

### **6.4. Buried Structures and Services**

Any buried structures such as relic foundations, cellars or concrete slabs, encountered during the enabling works for the new development should be broken out and removed prior to the placement of the new foundations. It is anticipated that buried services at the locality will also require re-routing. The Williamson's Tunnels are located approximately 4km south of the Anfield site and are therefore not considered to present a constraint to development.

Following the removal of any buried structures, the resultant excavation should be backfilled with suitably compacted granular fill material in order to reduce the likelihood of subsequent ground settlement at the locality. Any concrete/demolition materials excavated during the site preparation works should be assessed for re-use as granular fill, as it may be suitable following simple crushing, sorting and processing.

### **6.5. Excavations and Groundwater Control**

The potential for perched groundwater within the Made Ground exists and it would be prudent to make allowance for groundwater control measures during construction. It is likely that "sump and pump" methods would generally be adequate to deal with any local groundwater ingress.

Instability of excavations within the Made Ground and granular soils should be expected, especially during periods of adverse weather conditions and an allowance for support for all excavations should be made. All excavations should be carried out in accordance with CIRIA Report 97, 'Trenching Practice'. All excavations, especially those for the foundation construction, should be protected from the effects of adverse weather at all times.

The risk from unrecorded borrow pits need to be considered during the design of the intrusive site investigation.

### **6.6. Retaining Walls and Slopes**

No significant retention structures are envisaged as part of the works.



No natural/man-made slopes are likely to affect the works, other than temporary slopes created during the excavation works which may include stockpiling of site won materials being considered for re-use.

#### **6.7. UXO**

It would be prudent to undertake a UXO survey and specialist advice sought prior to undertaking any intrusive investigation works at the site.

#### **6.8. Permeability**

Falling head permeability tests were carried out in two boreholes in the 2002/3 and one in the 2006/7 Stanley Park site investigations. The recorded ground permeability was  $4 \times 10^{-7}$  and  $2 \times 10^{-8}$  m/s respectively, i.e. moderately low permeability.



## 7. Implications for Development

### 7.1. Conclusions

Our overall conclusions in relation to this site are as follows:

- 1) **Identification of contamination sources.** A limited number of potential contamination sources have been identified on and surrounding the site relating to historical land use, although the contaminative potential is considered to be low.
- 2) **Contaminant linkages.** There are considered to be potentially viable S-P-R linkages at the site with respect to contaminated land associated with historical development. Potential low to moderate risks to both human and controlled water receptors have been identified associated with the site and surrounding historical land uses.
- 3) **Ground profile.** The generalised stratigraphy anticipated is surface materials i.e. topsoil or tarmacadam and/or Made Ground overlying Sand and/or Sherwood Sandstone.
- 4) **Geotechnical Considerations.** Instability of excavations within the Made Ground and granular soils should be expected, especially during periods of adverse weather conditions and an allowance for support for all excavations and groundwater control should be made
- 5) **Foundation Design.** Light, medium and some heavily loaded structures may be founded at shallow depths where competent sandstone is encountered in keeping with the existent stand foundations. Further analysis and investigation of the extent of weathering and strength of the Sherwood Sandstone should be carried out. Where competent sandstone is not encountered at shallow depth and if more substantially loaded structures are present then deeper foundation solutions such as piles or an anchored solution are likely to be required and may prove more economical.

### 7.2. Recommendations

An intrusive investigation is required to establish the ground profile at the site and characterise the contaminative status of the shallow soils, groundwater and ground gas regime beneath the site. This will enable a more accurate assessment of the potential environmental liabilities associated with the site and identify the requirement for remedial works if required. The intrusive investigation will also be designed to obtain the necessary data required for geotechnical design including foundation design.

It is recommended that this site investigation is designed and put out to competitive tender at the earliest opportunity once access to the development site can be achieved (e.g. following demolition of remaining residential properties).

The site investigation should incorporate the following key elements:

- 1) Completion of a comprehensive UXO survey;
- 2) Exploratory boreholes should be drilled at suitable spaced intervals in order to allow necessary soil sampling and insitu testing to be undertaken;





- 3) Rotary drilling should be carried out in a number of boreholes in order to prove depth to competent bedrock, core samples should be obtained for description and geotechnical testing purposes;
- 4) The boreholes should be complemented by trial pits to enable further characterisation of the shallow (<4.0m) deposits including ease of excavation of the weathered rock if encountered, environmental sampling and trial pitting would provide a better opportunity of uncovering any former unrecorded borrow pits;
- 5) Trial pits would also allow soakaway testing to be carried out which would inform the future site drainage;
- 6) Trial pits will also be required to expose the existing stadium foundations to determine size, position and depth and allow an assessment of whether modified loads arising from the new development can be accommodated on existing foundations;
- 7) Where access is difficult it may be necessary to carry out window sampling or hand excavations to allow appropriate sampling and analysis
- 8) Selected boreholes should be installed with monitoring standpipes to allow collection of groundwater samples and gas monitoring;
- 9) Selected soil samples should be scheduled for chemical testing of an appropriate analytical suite based upon identified potential contaminants;
- 10) In-situ and laboratory based testing should be carried out to yield geotechnical information to facilitate geotechnical design;
- 11) An interpretive geo-environmental report should be completed to assess the risks and make recommendations as necessary.



## 8. References

- 1) NHBC, CIEH and Environment Agency 2008. Guidance for the Safe Development of Housing on Land Affected by Contamination, R&D 66
- 2) [www.bgs.ac.uk](http://www.bgs.ac.uk) (Accessed November 2013)
- 3) Environment Agency, 2013
- 4) Department for Communities and Local Government, National Planning Policy Framework, March 2012
- 5) Model Procedures for the Management of Land Contamination, Contaminated Land Report 11, Environment Agency & DEFRA, 2004
- 6) BRE211 (2007) Radon: Protective measures for new dwellings
- 7) EN1998-1: General rules, seismic actions and rules for buildings, CEN, 2004.



## Appendices



## Appendix A Site Layout Plan







## **Appendix B Envirocheck Report**

## Envirocheck<sup>®</sup> Report:

### Datasheet

#### Order Details:

**Order Number:**

42580690\_1\_1

**Customer Reference:**

UNP3220

**National Grid Reference:**

336210, 393140

**Slice:**

A

**Site Area (Ha):**

7.27

**Search Buffer (m):**

1000

#### Site Details:

Liverpool Football Club Plc  
Anfield Road  
LIVERPOOL  
L4 0TH

#### Client Details:

Mr A Hales  
SKM Enviros  
Unit 5, Meadow Court  
Milshaw  
Leeds  
W Yorks  
LS11 8LZ



Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	4
Hazardous Substances	-
Geological	5
Industrial Land Use	11
Sensitive Land Use	21
Data Currency	22
Data Suppliers	26
Useful Contacts	27

## 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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## Report Version v47.0

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

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Hazardous Substances</b>					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
<b>Geological</b>					
BGS 1:625,000 Solid Geology	pg 5	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 5	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 8		1	1	8
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
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
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 10	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 10	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards				n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards				n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
<b>Industrial Land Use</b>					
Contemporary Trade Directory Entries	pg 11		12	19	79
Fuel Station Entries	pg 20		1	2	3

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Sensitive Land Use</b>					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 21		1		
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<b>Local Authority Pollution Prevention and Controls</b> Name: Total Fina Elf Uk Ltd Location: Oakfield Road, Anfield, LIVERPOOL, Merseyside, L4 0UE Authority: Liverpool City Council, Liverpool Environmental Health & Trading Standards Division Permit Reference: PPC 1440/1/06 Dated: 16th March 1999 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station <b>Status: Authorised</b> Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	119	1	336344 392882
2	<b>Local Authority Pollution Prevention and Controls</b> Name: Priory Garage Location: 232 Priory Road, Anfield, Liverpool, Merseyside, L4 2SL Authority: Liverpool City Council, Liverpool Environmental Health & Trading Standards Division Permit Reference: PPC 1451/1/00 Dated: 12th May 2000 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station <b>Status: Authorised</b> Positional Accuracy: Automatically positioned to the address	A14NW (NE)	354	1	336573 393476
3	<b>Local Authority Pollution Prevention and Controls</b> Name: Anfield Crematorium Location: Priory Road, LIVERPOOL, Merseyside, L4 2SL Authority: Liverpool City Council, Liverpool Environmental Health & Trading Standards Division Permit Reference: PPC/40/05 (EP/Var/01/2010) Dated: 25th February 1992 Process Type: Local Authority Air Pollution Control Description: PG5/2 Crematoria <b>Status: Authorised</b> Positional Accuracy: Automatically positioned to the address	A18SE (NE)	393	1	336466 393615
4	<b>Local Authority Pollution Prevention and Controls</b> Name: Elf Oil Uk Ltd Location: Belmont Road, Anfield, LIVERPOOL, Merseyside, L6 5LD Authority: Liverpool City Council, Liverpool Environmental Health & Trading Standards Division Permit Reference: EP 1439 Dated: 16th March 1999 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station <b>Status: Authorisation revokedRevoked</b> Positional Accuracy: Manually positioned to the address or location	A9SW (SE)	870	1	336810 392291
5	<b>Local Authority Pollution Prevention and Controls</b> Name: Malthurst Location: 21 Barlow Lane, Kirkdale, LIVERPOOL, Merseyside, L4 3QP Authority: Liverpool City Council, Liverpool Environmental Health & Trading Standards Division Permit Reference: PPC 1447/1/99 Dated: 6th September 1999 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station <b>Status: Authorised</b> Positional Accuracy: Automatically positioned to the address	A17NW (NW)	977	1	335360 393885
	<b>Nearest Surface Water Feature</b>	A18SW (N)	446	-	336022 393723
6	<b>Pollution Incidents to Controlled Waters</b> Property Type: Spillage; Accident In Transit Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Asbestos Fibre Incident Date: 13th April 1995 Incident Reference: 95740830 Catchment Area: Mersey - Tidal Receiving Water: Not Given Cause of Incident: Accidental Spillage/Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NE (W)	260	2	335800 393300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Unknown Note: Stanley Park Lake Incident Date: 29th July 1992 Incident Reference: 92440110 Catchment Area: Mersey - Tidal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (N)	525	2	336000 393800
8	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Merseyside Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Involved; Petrol To Drains Incident Date: 8th June 1996 Incident Reference: 96741242 Catchment Area: Mersey - Tidal Receiving Water: Not Given Cause of Incident: Miscellaneous/Other Pollution Type Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	637	2	336700 392500
9	<b>Water Abstractions</b> Operator: Liverpool City Council Licence Number: 2569030067 Permit Version: 1 Location: Stanley Park Lake Liverpool Authority: Environment Agency, North West Region Abstraction: Amenity: Make-Up Or Top Up Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Stanley Park Liverpool Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th December 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18SW (NW)	541	2	335910 393769
	<b>Water Abstractions</b> Operator: British Waterways Board Licence Number: 2569030052 Permit Version: Not Supplied Location: Leeds & Liverpool Canal, 37 Bankhall Street, LIVERPOOL Authority: Environment Agency, North West Region Abstraction: Cooling Abstraction Type: Not Supplied Source: Canal Daily Rate (m3): 109 Yearly Rate (m3): 28412 Details: Licence Status: Revoked 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	(W)	1919	2	334200 393800
	<b>Water Abstractions</b> Operator: Liverpool City Council Licence Number: 2569031139 Permit Version: 1 Location: Underground Strata: Permo-Triassic Sandstone At Liverpool Authority: Environment Agency, North West Region Abstraction: Municipal Grounds: Make-Up or Top Up Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Underground Strata: Permo-Triassic Sandstone At Liverpool Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th October 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1922	2	336600 395200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Water Abstractions</b> Operator: Liverpool City Council Licence Number: 2569031132 Permit Version: 1 Location: Borehole At Larkhill Gardens Authority: Environment Agency, North West Region Abstraction: Municipal Grounds: Make-Up or Top Up Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Lake At Larkhill Gardens Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 27th October 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(E)	1930	2	338340 393330
10	<b>Water Industry Act Referrals</b> Name: Cwf (Metal Treatments) Ltd Location: 2 Luton Grove, Kirkdale, LIVERPOOL, L4 4LG Authority: Environment Agency, North West Region Permit Reference: BH8420 Dated: 1st February 2000 Process Type: Permissions or amendments to discharge under the Water Industry Act 1991 Description: Processes which result in the discharge of Special Category effluents under The Trade Effluents (Prescribed Processes and Substances) Regulations <b>Status: Application received by the EA but is not yet authorisedNot Yet Authorised</b> Positional Accuracy: Automatically positioned to the address	A17SW (NW)	616	2	335521 393521
10	<b>Water Industry Act Referrals</b> Name: Cwf (Metal Treatments) Ltd Location: 2 Luton Grove, Kirkdale, LIVERPOOL, Merseyside, L4 4LG Authority: Environment Agency, North West Region Permit Reference: AU3910 Dated: 22nd December 1995 Process Type: Permissions or amendments to discharge under the Water Industry Act 1991 Description: Processes which result in the discharge of Special Category effluents under The Trade Effluents (Prescribed Processes and Substances) Regulations <b>Status: Application received by the EA but is not yet authorisedNot Yet Authorised</b> Positional Accuracy: Automatically positioned to the address	A17SW (NW)	616	2	335521 393521
	<b>Groundwater Vulnerability</b> Soil Classification: Soils of High Leaching Potential (U) - Soil information for restored mineral workings and urban areas is based on fewer observations than elsewhere. A worst case vulnerability classification (H) assumed, until proved otherwise Map Sheet: Sheet 16 West Cheshire Scale: 1:100,000	A13SE (NW)	0	2	336212 393140
	<b>Drift Deposits</b> None				
	<b>Bedrock Aquifer Designations</b> Aquifer Desination: Principal Aquifer	A13SE (NW)	0	3	336212 393140
	<b>Superficial Aquifer Designations</b> No Data Available				
	<b>Extreme Flooding from Rivers or Sea without Defences</b> None				
	<b>Flooding from Rivers or Sea without Defences</b> None				
	<b>Areas Benefiting from Flood Defences</b> None				
	<b>Flood Water Storage Areas</b> None				
	<b>Flood Defences</b> None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	<b>Licensed Waste Management Facilities (Locations)</b> Licence Number: 54253 Location: Off Lower Breck Road, Liverpool, Merseyside, L6 4DW Operator Name: Liverpool City Council Operator Location: Not Supplied Authority: Environment Agency - North West Region, North Area Site Category: Household, Commercial And Industrial Transfer Stations <b>Licence Status: Surrendered</b> Issued: 10th October 1991 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 12th October 2000 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	423	2	336600 392700
12	<b>Licensed Waste Management Facilities (Locations)</b> Licence Number: 53887 Location: Land/premises At, St Domingo Road, Liverpool, Merseyside, L5 Operator Name: City Engineering Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Transfer Stations Taking Non-biodegradable Wastes <b>Licence Status: Issued</b> Issued: 23rd August 1991 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 100m	A12SW (W)	551	2	335500 392900
	<b>Local Authority Landfill Coverage</b> Name: Merseyside Waste Disposal Authority - Has supplied landfill data		0	6	336212 393140
	<b>Local Authority Landfill Coverage</b> Name: Liverpool City Council - Has no landfill data to supply		0	1	336212 393140
13	<b>Registered Waste Transfer Sites</b> Licence Holder: Liverpool City Council Licence Reference: 30350 (350/02) Site Location: St Domingo Road, Liverpool, Merseyside Operator Location: Borax Street, Off Rathbone Road, Liverpool, Merseyside, L13 1el Authority: Environment Agency - North West Region, South Area Site Category: Transfer Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: Waste produced/controlled by licence holder Restrictions: Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 23rd August 1991 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Supplied Authorised Waste: Max.Storage Max.Waste Permitted By Licence Non-Haz. Construction Ind. Wastes Non-Haz. Excavation Wastes Waste With < 10% Vol/Load Bonded Asb. Prohibited Waste: Asbestos Fibres Or Dust Clinical Wastes Liquid/Sludge Wastes Malodorous Waste Special Wastes	A12SW (W)	517	2	335500 393000



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS 1:625,000 Solid Geology</b> Description: Permian and Triassic sandstones, undifferentiated, including Bunter and Keuper	A13SE (NW)	0	3	336212 393140
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13SW (W)	0	4	336000 393140
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13SE (NW)	0	4	336212 393140
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13SE (S)	0	4	336212 393000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13SW (SW)	82	4	336000 393000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 120 - 180 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13NE (NE)	214	4	336534 393365
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 120 - 180 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A14SW (E)	358	4	336747 393000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 120 - 180 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SW (NW)	379	4	336000 393634
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 120 - 180 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NW (W)	577	4	335468 393357
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 120 - 180 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SE (E)	581	4	337000 393140
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 120 - 180 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SE (E)	598	4	337000 393000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 120 - 180 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NE (N)	682	4	336212 394000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 120 - 180 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NW (N)	713	4	336000 394000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NE (N)	747	4	336385 394044
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17NE (NW)	769	4	335853 394000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NE (SE)	781	4	337000 392593
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11SE (W)	842	4	335179 392941
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11SE (W)	843	4	335167 393000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 120 - 180 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11NE (W)	964	4	335090 393452

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A3NE (S)	981	4	336212 392000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11SE (W)	999	4	335000 393140
14	<b>BGS Recorded Mineral Sites</b> Site Name: Millbank Location: Stanley Park, Anfield, Liverpool Source: British Geological Survey, National Geoscience Information Service Reference: 15578 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Triassic Geology: Chester Pebble Beds Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A13NW (N)	67	3	336161 393366
15	<b>BGS Recorded Mineral Sites</b> Site Name: Corporation Yard Location: St Domingo Road, Everton, Liverpool Source: British Geological Survey, National Geoscience Information Service Reference: 14608 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Triassic Geology: Chester Pebble Beds Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12SE (W)	439	3	335590 392975
16	<b>BGS Recorded Mineral Sites</b> Site Name: Globe Street Location: St Domingo Road, Everton, Liverpool Source: British Geological Survey, National Geoscience Information Service Reference: 14609 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Triassic Geology: Chester Pebble Beds Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12NW (W)	555	3	335445 393165
17	<b>BGS Recorded Mineral Sites</b> Site Name: Hetherby Location: Stanley Park, Anfield, Liverpool Source: British Geological Survey, National Geoscience Information Service Reference: 15579 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Triassic Geology: Chester Pebble Beds Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14NE (NE)	570	3	336895 393457

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	<b>BGS Recorded Mineral Sites</b> Site Name: Walton Road Location: Walton Road, Kirkdale, Walton, Liverpool Source: British Geological Survey, National Geoscience Information Service Reference: 9352 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Triassic Geology: Chester Pebble Beds Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	578	3	335585 393540
19	<b>BGS Recorded Mineral Sites</b> Site Name: St Domingo Road Location: Everton Valley, Everton, Liverpool Source: British Geological Survey, National Geoscience Information Service Reference: 9897 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Triassic Geology: Chester Pebble Beds Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12NW (W)	617	3	335385 393185
20	<b>BGS Recorded Mineral Sites</b> Site Name: Mark Street Location: Mark Street, Everton, Liverpool Source: British Geological Survey, National Geoscience Information Service Reference: 9751 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Triassic Geology: Chester Pebble Beds Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12SW (W)	672	3	335340 393005
21	<b>BGS Recorded Mineral Sites</b> Site Name: Breck Road Location: Breck Road, Everton, Liverpool Source: British Geological Survey, National Geoscience Information Service Reference: 15580 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Triassic Geology: Chester Pebble Beds Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	749	3	336620 392315
22	<b>BGS Recorded Mineral Sites</b> Site Name: Breck Road Location: Breck Road, Everton, Liverpool Source: British Geological Survey, National Geoscience Information Service Reference: 15586 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Triassic Geology: Chester Pebble Beds Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A9NE (SE)	751	3	336885 392515
23	<b>BGS Recorded Mineral Sites</b> Site Name: Clubmoor Brick Field Location: , Clubmoor, Liverpool, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 95159 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Quaternary Geology: Till, Devensian Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	928	3	337170 393689

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Measured Urban Soil Chemistry</b> No data available				
	<b>BGS Urban Soil Chemistry Averages</b> No data available				
	<b>Coal Mining Affected Areas</b> In an area that might not be affected by coal mining				
	<b>Non Coal Mining Areas of Great Britain</b> No Hazard				
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	3	336212 393140
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	3	336212 393140
	<b>Potential for Ground Dissolution Stability Hazards</b> No Hazard				
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	3	336212 393140
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	3	336212 393140
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	3	336212 393140
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	3	336212 393140
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	3	336212 393140

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	<b>Contemporary Trade Directory Entries</b> Name: Alliance Print Location: 174, Walton Breck Road, Liverpool, L4 0RG Classification: Printers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A13SW (SW)	21	-	336115 393013
25	<b>Contemporary Trade Directory Entries</b> Name: Rgm Media Location: 5, Liverpool, Merseyside, L69 4PL Classification: Printers <b>Status: Inactive</b> Positional Accuracy: Manually positioned within the geographical locality	A13SE (E)	31	-	336450 393142
26	<b>Contemporary Trade Directory Entries</b> Name: Auto Electrics Location: 1, Wylva Road, Liverpool, L4 0TS Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13SE (SE)	48	-	336337 392970
27	<b>Contemporary Trade Directory Entries</b> Name: Snowcrester Location: 60, Venice Street, Liverpool, L5 1TZ Classification: Ice Cream Manufacturers & Suppliers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13SW (SW)	49	-	336018 393029
28	<b>Contemporary Trade Directory Entries</b> Name: Heffey'S Printers Location: 117, Walton Breck Road, Liverpool, L4 0RD Classification: Printers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13SW (W)	79	-	335923 393115
28	<b>Contemporary Trade Directory Entries</b> Name: Pennance Location: 117, Walton Breck Road, Liverpool, L4 0RD Classification: Printers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13SW (W)	79	-	335923 393115
29	<b>Contemporary Trade Directory Entries</b> Name: Altons Cleaning Services Location: 169, Oakfield Road, Walton, Liverpool, L4 0UF Classification: Cleaning Services - Commercial <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13SE (SE)	117	-	336328 392877
29	<b>Contemporary Trade Directory Entries</b> Name: Essential Blinds Location: 161 Oakfield Rd, Walton, Liverpool, Merseyside, L4 0UF Classification: Blinds, Awnings & Canopies <b>Status: Active</b> Positional Accuracy: Manually positioned within the geographical locality	A13SE (SE)	127	-	336332 392868
29	<b>Contemporary Trade Directory Entries</b> Name: Total Location: Oakfield Rd, Walton, Liverpool, L4 0UH Classification: Petrol Filling Stations <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the road within the address or location	A13SE (SE)	142	-	336356 392862
29	<b>Contemporary Trade Directory Entries</b> Name: Total Location: Oakfield Rd, Walton, Liverpool, L4 0UE Classification: Petrol Filling Stations <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the road within the address or location	A13SE (SE)	142	-	336356 392862
29	<b>Contemporary Trade Directory Entries</b> Name: Essential Blinds Location: 161 Oakfield Rd, Walton, Liverpool, Merseyside, L4 0UF Classification: Blinds, Awnings & Canopies <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	150	-	336343 392847
30	<b>Contemporary Trade Directory Entries</b> Name: Taylorglass Ltd Location: 97-99, Anfield Road, Liverpool, L4 0TL Classification: Window Tinting <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A14SW (SE)	215	-	336575 392969

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	<b>Contemporary Trade Directory Entries</b> Name: Jmc Removals Location: 8, Harrow Road, Liverpool, L4 2TJ Classification: Rubbish Clearance <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A14SW (SE)	262	-	336623 392956
32	<b>Contemporary Trade Directory Entries</b> Name: Divine Blinds Location: 134, Oakfield Road, Walton, Liverpool, L4 0UQ Classification: Blinds, Awnings & Canopies <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A8NE (SE)	282	-	336440 392750
33	<b>Contemporary Trade Directory Entries</b> Name: The Cleaners Location: 4, Towson Street, Liverpool, L5 1TP Classification: Cleaning Services - Domestic <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A8NW (SW)	291	-	335914 392804
34	<b>Contemporary Trade Directory Entries</b> Name: Anfield Mot & Service Ltd Location: 232, Priory Road, Liverpool, L4 2SL Classification: Mot Testing Centres <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A14NW (NE)	354	-	336573 393476
34	<b>Contemporary Trade Directory Entries</b> Name: Priory Garage Location: 232, Priory Road, Liverpool, L4 2SL Classification: Petrol Filling Stations <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A14NW (NE)	354	-	336573 393476
34	<b>Contemporary Trade Directory Entries</b> Name: Priory Tyre Services Location: 232, Priory Road, Liverpool, L4 2SL Classification: Tyre Dealers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A14NW (NE)	354	-	336573 393476
34	<b>Contemporary Trade Directory Entries</b> Name: Priory Autocare Ltd Location: 232, Priory Road, Liverpool, L4 2SL Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A14NW (NE)	354	-	336573 393476
34	<b>Contemporary Trade Directory Entries</b> Name: Priory Tyre Services Location: 232, Priory Road, Liverpool, L4 2SL Classification: Tyre Dealers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A14NW (NE)	354	-	336573 393476
35	<b>Contemporary Trade Directory Entries</b> Name: Bynon Location: 276, Walton Breck Road, Liverpool, Merseyside, L4 0SZ Classification: Printers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A9NW (SE)	379	-	336639 392794
36	<b>Contemporary Trade Directory Entries</b> Name: Anfield Cemetery & Crematorium Location: 236, Priory Road, Liverpool, L4 2SL Classification: Cemeteries & Crematoria <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A18SE (NE)	393	-	336466 393615
36	<b>Contemporary Trade Directory Entries</b> Name: Anfield Cemetery & Crematorium Location: 236, Priory Road, Liverpool, L4 2SL Classification: Cemeteries & Crematoria <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A18SE (NE)	393	-	336466 393615
36	<b>Contemporary Trade Directory Entries</b> Name: Anfield Cemetery & Crematorium Location: 236, Priory Road, Liverpool, L4 2SL Classification: Cemeteries & Crematoria <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A18SE (NE)	393	-	336466 393615



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	<b>Contemporary Trade Directory Entries</b> Name: Andrew Lee Location: 78, Clapham Road, Liverpool, L4 2TQ Classification: Electrical Engineers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A14SW (E)	406	-	336808 393026
37	<b>Contemporary Trade Directory Entries</b> Name: Priory Cleaners Ltd Location: 59, Priory Road, Liverpool, L4 2SE Classification: Dry Cleaners <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A14SW (E)	449	-	336854 393030
38	<b>Contemporary Trade Directory Entries</b> Name: Grampian Engineering Ltd Location: 71-79, Oakfield Road, Walton, Liverpool, L4 0UE Classification: Mot Testing Centres <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A8NE (SE)	409	-	336475 392623
39	<b>Contemporary Trade Directory Entries</b> Name: Relay Components Location: 79, Windermere Street, Liverpool, L5 6RA Classification: Precision Engineers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A8NE (S)	452	-	336418 392554
40	<b>Contemporary Trade Directory Entries</b> Name: Liverpool Brick & Block Location: 49, Heyes Street, Liverpool, Merseyside, L5 6SE Classification: Builders' Merchants <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A8NE (S)	460	-	336246 392522
41	<b>Contemporary Trade Directory Entries</b> Name: Excalibur Location: 51, Oakfield Road, Walton, Liverpool, L4 0UE Classification: Leaded Lights & Windows <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A8NE (SE)	472	-	336507 392568
42	<b>Contemporary Trade Directory Entries</b> Name: B R Woods Location: 407, Walton Breck Road, Liverpool, L4 2RN Classification: French Polishing <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9NW (SE)	490	-	336774 392777
43	<b>Contemporary Trade Directory Entries</b> Name: Dave Alan Location: 78, Mere Lane, Liverpool, L5 0QW Classification: Tyre Dealers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A8NW (SW)	516	-	335881 392572
44	<b>Contemporary Trade Directory Entries</b> Name: M & L Cars Location: 46, Priory Road, Liverpool, L4 2RZ Classification: Car Dealers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A14SE (E)	553	-	336931 392933
45	<b>Contemporary Trade Directory Entries</b> Name: Cain & Shaw Location: 25-29, Westcott Road, Liverpool, L4 2RE Classification: Cleaning Services - Commercial <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9NW (SE)	590	-	336717 392582
46	<b>Contemporary Trade Directory Entries</b> Name: Walton Motors Ltd Location: 255, Walton Lane, Liverpool, L4 5RH Classification: Commercial Vehicle Dealers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A18NW (N)	603	-	336022 393892
47	<b>Contemporary Trade Directory Entries</b> Name: Meare Solutions Location: 62, Pinehurst Road, Liverpool, L4 2TZ Classification: Filter Manufacturers & Suppliers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A14NE (E)	612	-	336999 393337

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
48	<b>Contemporary Trade Directory Entries</b> Name: C W F Metal Treatments Ltd Location: 2, Luton Grove, Liverpool, L4 4LG Classification: Metal Finishing Services <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	616	-	335521 393521
48	<b>Contemporary Trade Directory Entries</b> Name: Matco Motor Factors Ltd Location: 138, Walton Road, Liverpool, L4 4AY Classification: Paint Manufacturers <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	643	-	335495 393532
49	<b>Contemporary Trade Directory Entries</b> Name: Charlie Mac'S Location: 85, Walton Road, Liverpool, L4 4AF Classification: Car Breakers & Dismantlers <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A12NW (W)	618	-	335418 393342
50	<b>Contemporary Trade Directory Entries</b> Name: Georgesons Cars Location: 2-18, Breck Road, Anfield, Liverpool, Merseyside, L4 2RA Classification: Car Dealers - Used <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A9NE (SE)	626	-	336931 392761
51	<b>Contemporary Trade Directory Entries</b> Name: Aintree Horsebox Accessories Location: 87, Langham Street, Liverpool, Merseyside, L4 4DA Classification: Horse Boxes & Transporting <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	658	-	335794 393829
52	<b>Contemporary Trade Directory Entries</b> Name: Catertech Location: 1A Windermere St, Liverpool, Merseyside, L5 6RA Classification: Catering Equipment - Servicing & Repairs <b>Status:</b> Active Positional Accuracy: Manually positioned to the road within the address or location	A9SW (SE)	661	-	336550 392380
53	<b>Contemporary Trade Directory Entries</b> Name: Vj Superstore Location: 7, Townsend Lane, Anfield, Liverpool, Merseyside, L6 0AX Classification: Electrical Goods Sales, Manufacturers & Wholesalers <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	662	-	337008 392829
54	<b>Contemporary Trade Directory Entries</b> Name: Rosewood French Polishers Location: 106, Breck Road, Anfield, Liverpool, L4 2RD Classification: French Polishing <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	674	-	336702 392454
54	<b>Contemporary Trade Directory Entries</b> Name: Koz Electro Signals Location: 147, Breck Road, Anfield, Liverpool, Merseyside, L4 2QZ Classification: Electrical Appliance Repairs <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	704	-	336705 392419
54	<b>Contemporary Trade Directory Entries</b> Name: Regent Wrought Iron Location: 152, Belmont Road, Liverpool, L6 5BJ Classification: Wrought Ironwork <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	715	-	336699 392401
54	<b>Contemporary Trade Directory Entries</b> Name: Ainfield Tyres Location: 150a, Belmont Road, Liverpool, Merseyside, L6 5BJ Classification: Tyre Dealers <b>Status:</b> Active Positional Accuracy: Manually positioned to the address or location	A9SW (SE)	720	-	336707 392401
55	<b>Contemporary Trade Directory Entries</b> Name: B H Autocare Ltd Location: 2, Taplow Street, Liverpool, L6 0AB Classification: Mot Testing Centres <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A9NE (SE)	676	-	336906 392644

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
56	<b>Contemporary Trade Directory Entries</b> Name: Jason Lafferty Location: 10, Rossmore Gardens, Liverpool, L4 7TF Classification: Domestic Appliances - Servicing, Repairs & Parts <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A14NE (NE)	679	-	337009 393482
57	<b>Contemporary Trade Directory Entries</b> Name: Chemdry Location: Breck Rd, Anfield, Liverpool, Merseyside, L4 2RB Classification: Carpet, Curtain & Upholstery Cleaners <b>Status:</b> Inactive Positional Accuracy: Manually positioned to the road within the address or location	A9NW (SE)	679	-	336785 392524
57	<b>Contemporary Trade Directory Entries</b> Name: Phoenix Puppys & Kittens Location: 117-119, Breck Road, Anfield, Liverpool, L4 2QX Classification: Pet Foods & Animal Feeds <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	697	-	336770 392483
58	<b>Contemporary Trade Directory Entries</b> Name: Jades Location: 22, Pinehurst Road, Liverpool, L4 2TY Classification: Carpet, Curtain & Upholstery Cleaners <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A14NE (E)	679	-	337097 393177
59	<b>Contemporary Trade Directory Entries</b> Name: Valley Fire Surrounds Location: 37-41, Walton Road, Liverpool, Merseyside, L4 4AD Classification: Plaster Manufacturers & Suppliers <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	694	-	335308 393197
60	<b>Contemporary Trade Directory Entries</b> Name: Home Bargains Location: 281, Breck Road, Everton, Liverpool, L5 6PU Classification: Toiletries <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	695	-	336514 392329
61	<b>Contemporary Trade Directory Entries</b> Name: Quality Fireplaces Location: 129-135, Breck Road, Anfield, Liverpool, L4 2QZ Classification: Fireplaces & Mantelpieces <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A9SW (SE)	701	-	336737 392449
61	<b>Contemporary Trade Directory Entries</b> Name: Newcombe Motors Location: 1, Newcombe Street, Liverpool, L6 5AN Classification: Garage Services <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	722	-	336781 392458
61	<b>Contemporary Trade Directory Entries</b> Name: Photoart By Valerie Sky Location: 17, Newcombe Street, Liverpool, Merseyside, L6 5AN Classification: Photo & Digital Imaging Bureaus <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	757	-	336812 392439
62	<b>Contemporary Trade Directory Entries</b> Name: Harwood Electrical Systems Location: 296-298, Breck Road, Everton, Liverpool, L5 6QB Classification: Electrical Engineers <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	706	-	336655 392383
63	<b>Contemporary Trade Directory Entries</b> Name: Nationwide Furniture Services Ltd Location: 40, Breckfield Road North, Liverpool, L5 4NH Classification: Furniture - Repairing & Restoring <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A8SE (S)	715	-	336229 392266
64	<b>Contemporary Trade Directory Entries</b> Name: Langham Street Autos Location: Unit B2, Langham St, Liverpool, Merseyside, L4 4DA Classification: Mot Testing Centres <b>Status:</b> Active Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	738	-	335660 393818

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
64	<b>Contemporary Trade Directory Entries</b> Name: Fudge Cosmetics Location: Tetlow Way, Langham St, Liverpool, Merseyside, L4 4DA Classification: Print Finishers <b>Status: Active</b> Positional Accuracy: Manually positioned to the road within the address or location	A17NE (NW)	775	-	335642 393850
65	<b>Contemporary Trade Directory Entries</b> Name: Contrast Blinds & Flooring Location: 227, Breck Road, Everton, Liverpool, L5 6PT Classification: Blinds, Awnings & Canopies <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A8SE (S)	754	-	336354 392233
66	<b>Contemporary Trade Directory Entries</b> Name: P & W Services Ltd Location: 230a, Springfield Square, Liverpool, L4 4BJ Classification: Mot Testing Centres <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A17SE (NW)	767	-	335572 393791
66	<b>Contemporary Trade Directory Entries</b> Name: P & W Autos Location: Springfield Sq, Liverpool, L4 4BJ Classification: Mot Testing Centres <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the road within the address or location	A17SE (NW)	788	-	335554 393804
66	<b>Contemporary Trade Directory Entries</b> Name: Fireworld Location: 230 Walton Rd, Liverpool, Merseyside, L4 4BB Classification: Fireplaces & Mantelpieces <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	795	-	335540 393802
66	<b>Contemporary Trade Directory Entries</b> Name: Fireworld Location: 230 Walton Rd, Liverpool, Merseyside, L4 4BB Classification: Fireplaces & Mantelpieces <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	795	-	335540 393802
66	<b>Contemporary Trade Directory Entries</b> Name: Fireworld Location: 230 Walton Rd, Liverpool, Merseyside, L4 4BB Classification: Fireplaces & Mantelpieces <b>Status: Active</b> Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	796	-	335540 393803
66	<b>Contemporary Trade Directory Entries</b> Name: Merseyside Domestic Appliances Location: 234, Walton Road, Liverpool, L4 4BE Classification: Domestic Appliances - Servicing, Repairs & Parts <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A17SE (NW)	805	-	335548 393822
66	<b>Contemporary Trade Directory Entries</b> Name: South Liverpool Domestic Location: 234, Walton Road, Liverpool, L4 4BE Classification: Washing Machines - Servicing & Repairs <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A17SE (NW)	805	-	335548 393822
66	<b>Contemporary Trade Directory Entries</b> Name: Lancashire Domestic Location: 234, Walton Road, Liverpool, L4 4BE Classification: Vacuum Cleaners - Sales & Service <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17SE (NW)	805	-	335548 393822
66	<b>Contemporary Trade Directory Entries</b> Name: Prestige Paneling Location: 219, Walton Road, Liverpool, L4 4AJ Classification: Cladding Suppliers & Installers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17SW (NW)	824	-	335505 393811
66	<b>Contemporary Trade Directory Entries</b> Name: Colourtrade Location: Decorating Centre, 221-225, Walton Road, Liverpool, L4 4AJ Classification: Wallpapers & Wall Coverings <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17SW (NW)	831	-	335506 393820

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
67	<b>Contemporary Trade Directory Entries</b> Name: Carl Gelling Location: 177-187, Walton Road, Liverpool, L4 4AJ Classification: Clothing & Fabrics - Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17SW (NW)	767	-	335464 393690
67	<b>Contemporary Trade Directory Entries</b> Name: A & V Fashions Location: 177-187, Walton Road, Liverpool, L4 4AJ Classification: Clothing & Fabrics - Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17SW (NW)	767	-	335464 393690
67	<b>Contemporary Trade Directory Entries</b> Name: Classic Garments Location: 189-191, Walton Road, Liverpool, L4 4AJ Classification: Clothing & Fabrics - Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17SW (NW)	774	-	335478 393715
67	<b>Contemporary Trade Directory Entries</b> Name: Off The Wall Location: 189-191, Walton Road, Liverpool, Merseyside, L4 4AJ Classification: T-Shirts <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17SW (NW)	774	-	335478 393715
68	<b>Contemporary Trade Directory Entries</b> Name: Aquarius Carpet Care Location: 38, Bishop Road, Liverpool, L6 0BJ Classification: Carpet, Curtain & Upholstery Cleaners <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A14SE (E)	768	-	337179 393032
69	<b>Contemporary Trade Directory Entries</b> Name: Pure Transfer Location: Station House, Bradewell St, Liverpool, Merseyside, L4 4ND Classification: Pharmaceutical Manufacturers & Distributors <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the road within the address or location	A17SW (NW)	780	-	335419 393656
70	<b>Contemporary Trade Directory Entries</b> Name: Hoban Location: 3 The Mall, Breck Rd, Everton, Liverpool, Merseyside, L5 6SP Classification: Printers <b>Status: Active</b> Positional Accuracy: Manually positioned within the geographical locality	A8SE (S)	784	-	336444 392219
71	<b>Contemporary Trade Directory Entries</b> Name: Everton Glass Works Ltd Location: 60-64, Townsend Lane, Anfield, Liverpool, L6 0BA Classification: Wallpapers & Wall Coverings <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A14SE (E)	789	-	337161 392876
72	<b>Contemporary Trade Directory Entries</b> Name: Easy Clean Location: 211, Breck Road, Everton, Liverpool, L5 6PT Classification: Dry Cleaners <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A8SE (S)	791	-	336303 392191
72	<b>Contemporary Trade Directory Entries</b> Name: Breck Home Decor Location: 176-178, Breck Road, Everton, Liverpool, L5 6PX Classification: Wallpapers & Wall Coverings <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A8SE (S)	825	-	336328 392160
73	<b>Contemporary Trade Directory Entries</b> Name: Minuteman Press Location: 205, Walton Road, Liverpool, L4 4AJ Classification: Printers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17SW (NW)	801	-	335490 393766
74	<b>Contemporary Trade Directory Entries</b> Name: Ashtons Wrought Iron Location: Unit C4, Langham Street, Liverpool, L4 4DA Classification: Wrought Ironwork <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17NE (NW)	818	-	335600 393874

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
74	<b>Contemporary Trade Directory Entries</b> Name: Ashtons Wrought Iron Location: Unit C4, Langham Street, Liverpool, Merseyside, L4 4DA Classification: Wrought Ironwork <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17NE (NW)	818	-	335600 393874
74	<b>Contemporary Trade Directory Entries</b> Name: Keith Hulse Location: Unit C3, Langham St, Liverpool, Merseyside, L4 4DA Classification: Tyre Dealers <b>Status: Active</b> Positional Accuracy: Manually positioned to the address or location	A17NE (NW)	826	-	335601 393884
74	<b>Contemporary Trade Directory Entries</b> Name: Jag Auto Services Location: Unit C1, Langham Street, Liverpool, L4 4DA Classification: Garage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A17NE (NW)	830	-	335623 393907
74	<b>Contemporary Trade Directory Entries</b> Name: Oaklands Joinery Location: Unit C2, Langham Street, Liverpool, Merseyside, L4 4DA Classification: Joinery Manufacturers <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the address or location	A17NE (NW)	838	-	335613 393909
75	<b>Contemporary Trade Directory Entries</b> Name: Competent Cleaners Ltd Location: Ince Avenue, Anfield, Liverpool, Merseyside, L4 5JT Classification: Carpet, Curtain & Upholstery Cleaners <b>Status: Active</b> Positional Accuracy: Manually positioned to the road within the address or location	A19NW (NE)	854	-	336859 393888
76	<b>Contemporary Trade Directory Entries</b> Name: Classic Colour Centres Location: 245-247 Walton Rd, Liverpool, Merseyside, L4 4AR Classification: Wallpapers & Wall Coverings <b>Status: Active</b> Positional Accuracy: Manually positioned to the address or location	A17NE (NW)	880	-	335539 393908
77	<b>Contemporary Trade Directory Entries</b> Name: Goodison Park Autos Location: 6, City Road, Liverpool, L4 5TE Classification: Car Dealers - Used <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A17NE (N)	884	-	335855 394129
78	<b>Contemporary Trade Directory Entries</b> Name: Headington Auto Centre Ltd Location: Unit 6, Castor Street, Liverpool, L6 5AT Classification: Garage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A9SW (SE)	908	-	336812 392245
78	<b>Contemporary Trade Directory Entries</b> Name: Padworth Building Supply Co Location: Unit 6-8, Castor Street, Liverpool, L6 5AT Classification: Builders' Merchants <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9SW (SE)	908	-	336812 392245
78	<b>Contemporary Trade Directory Entries</b> Name: R & T Joinery Location: Unit 8, Castor Street, Liverpool, Merseyside, L6 5AT Classification: Joinery Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9SW (SE)	911	-	336824 392250
78	<b>Contemporary Trade Directory Entries</b> Name: Laminate Flooring Direct Location: Castor St, Liverpool, L6 5AT Classification: Lamination & Encapsulation Services <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the road within the address or location	A9SW (SE)	942	-	336856 392235
79	<b>Contemporary Trade Directory Entries</b> Name: Stoneycroft Diesels Ltd Location: 9, Empress Road, Anfield, Liverpool, L6 0BX Classification: Fuel Injection Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A15SW (E)	914	-	337287 392856



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
80	<b>Contemporary Trade Directory Entries</b> Name: Solo Cars Location: Unit 3a-3c, Larch Lea, Liverpool, Merseyside, L6 5BN Classification: Car Dealers - Used <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the address or location	A9SW (SE)	914	-	336779 392216
80	<b>Contemporary Trade Directory Entries</b> Name: Solo Cars Location: Unit 3a-3c, Larch Lea, Liverpool, Merseyside, L6 5BN Classification: Car Dealers - Used <b>Status: Active</b> Positional Accuracy: Manually positioned to the address or location	A9SW (SE)	914	-	336779 392216
80	<b>Contemporary Trade Directory Entries</b> Name: Flexicon Uk Ltd Location: Larch Lea, Liverpool, Merseyside, L6 5BN Classification: Seal & Joint Manufacturers <b>Status: Active</b> Positional Accuracy: Manually positioned within the geographical locality	A9SW (SE)	947	-	336801 392190
81	<b>Contemporary Trade Directory Entries</b> Name: Shell Location: Barlow La, Liverpool, Merseyside, L4 3QP Classification: Petrol Filling Stations <b>Status: Active</b> Positional Accuracy: Manually positioned to the road within the address or location	A17NW (NW)	937	-	335378 393846
81	<b>Contemporary Trade Directory Entries</b> Name: Malthurst Retail Location: 21, Barlow Lane, Liverpool, L4 3QP Classification: Petrol Filling Stations - 24 Hour <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A17NW (NW)	977	-	335360 393885
81	<b>Contemporary Trade Directory Entries</b> Name: Gulf Service Station Ltd Location: 21, Barlow Lane, Liverpool, L4 3QP Classification: Petrol Filling Stations - 24 Hour <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17NW (NW)	977	-	335360 393885
82	<b>Contemporary Trade Directory Entries</b> Name: Pro-Print Location: 59, Trouville Road, Liverpool, L4 7UB Classification: Printers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A15NW (E)	941	-	337316 393430
83	<b>Contemporary Trade Directory Entries</b> Name: Tawd Street Garage Location: 6-8, Tawd Street, Liverpool, L4 4PD Classification: Garage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A17SW (NW)	952	-	335292 393771
83	<b>Contemporary Trade Directory Entries</b> Name: Bootle Printing Co Location: 4b, Tawd Street, Liverpool, L4 4PD Classification: Printers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17SW (NW)	954	-	335306 393791
84	<b>Contemporary Trade Directory Entries</b> Name: A R G Automatic'S Location: Unit 15, Castor Street, Liverpool, L6 5AT Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9SE (SE)	960	-	336893 392241
84	<b>Contemporary Trade Directory Entries</b> Name: A R G Automatic'S Location: Unit 15, Castor Street, Liverpool, L6 5AT Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9SE (SE)	960	-	336893 392241
85	<b>Contemporary Trade Directory Entries</b> Name: Elm Tree Garage Location: 201, Westminster Road, Liverpool, L4 4LR Classification: Garage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A17SW (NW)	961	-	335323 393823

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
86	<b>Contemporary Trade Directory Entries</b> Name: B R T Motors Location: 2, Espin Street, Liverpool, L4 5XE Classification: Garage Services <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A22SE (N)	970	-	335843 394217
87	<b>Contemporary Trade Directory Entries</b> Name: Anco Location: 1, Sherwyn Road, Liverpool, Merseyside, L4 7TP Classification: Cleaning Services - Domestic <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A20SW (E)	981	-	337334 393499
88	<b>Fuel Station Entries</b> Name: Anfield Car Centre Location: 140-142, Walton Breck Road, Burleigh Road South, Anfield,, LIVERPOOL, Merseyside, L4 0RQ Brand: Obsolete Premises Type: Not Applicable <b>Status:</b> Obsolete Positional Accuracy: Automatically positioned to the address	A13SW (SW)	59	-	336001 393045
89	<b>Fuel Station Entries</b> Name: Priory Garage Location: 232, Priory Road, Liverpool, L4 2SL Brand: Texaco Premises Type: Petrol Station <b>Status:</b> Closed Positional Accuracy: Automatically positioned to the address	A14NW (NE)	354	-	336573 393476
90	<b>Fuel Station Entries</b> Name: Anfield Service Station Location: 57a, Oakfield Road, Walton, Liverpool, L4 0UE Brand: Total Premises Type: Petrol Station <b>Status:</b> Open Positional Accuracy: Manually positioned to the address or location	A8NE (SE)	409	-	336475 392623
91	<b>Fuel Station Entries</b> Name: Walton Hall Garage Location: 2-10 Breck Road, Anfield, LIVERPOOL, Merseyside, L4 2RA Brand: OBSOLETE Premises Type: Not Applicable <b>Status:</b> Obsolete Positional Accuracy: Approximate location provided by supplier	A9NE (SE)	669	-	336896 392644
92	<b>Fuel Station Entries</b> Name: Belmont Road Service Station Location: Belmont Road, LIVERPOOL, Merseyside, L6 5BG Brand: Total Premises Type: Not Applicable <b>Status:</b> Obsolete Positional Accuracy: Automatically positioned to the address	A9SW (SE)	868	-	336810 392292
93	<b>Fuel Station Entries</b> Name: Mrh Grand National Location: 21, Barlow Lane, Liverpool, L4 3QP Brand: Texaco Premises Type: Petrol Station <b>Status:</b> Open Positional Accuracy: Automatically positioned to the address	A17NW (NW)	977	-	335360 393885



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
94	<b>Nitrate Vulnerable Zones</b> Name: Not Supplied Description: NVZ Area Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	A13SE (SE)	49	5	336381 392995

Agency & Hydrological	Version	Update Cycle
<b>Contaminated Land Register Entries and Notices</b> Sefton Metropolitan Borough Council - Environmental Health Department Knowsley Metropolitan Borough Council - Department of Planning and Development Liverpool City Council - Liverpool Environmental Health & Trading Standards Division Wirral Borough Council - Environmental Health Division	July 2012 March 2012 November 2011 November 2011	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Discharge Consents</b> Environment Agency - North West Region	October 2012	Quarterly
<b>Enforcement and Prohibition Notices</b> Environment Agency - North West Region	September 2012	Quarterly
<b>Integrated Pollution Controls</b> Environment Agency - North West Region	October 2008	Not Applicable
<b>Integrated Pollution Prevention And Control</b> Environment Agency - North West Region	October 2012	Quarterly
<b>Local Authority Integrated Pollution Prevention And Control</b> Sefton Metropolitan Borough Council - Environmental Health Department Knowsley Metropolitan Borough Council - Environmental Health and Consumer Protection Division Wirral Borough Council - Environmental Health Division Liverpool City Council - Liverpool Environmental Health & Trading Standards Division	August 2012 June 2012 November 2012 November 2012	Annual Rolling Update Annual Rolling Update Annual Rolling Update Monthly
<b>Local Authority Pollution Prevention and Controls</b> Liverpool City Council - Liverpool Environmental Health & Trading Standards Division Sefton Metropolitan Borough Council - Environmental Health Department Knowsley Metropolitan Borough Council - Environmental Health and Consumer Protection Division Wirral Borough Council - Environmental Health Division	August 2012 February 2011 June 2012 November 2011	Monthly Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Local Authority Pollution Prevention and Control Enforcements</b> Sefton Metropolitan Borough Council - Environmental Health Department Knowsley Metropolitan Borough Council - Environmental Health and Consumer Protection Division Wirral Borough Council - Environmental Health Division Liverpool City Council - Liverpool Environmental Health & Trading Standards Division	August 2012 June 2012 November 2012 November 2012	Annual Rolling Update Annual Rolling Update Annual Rolling Update Monthly
<b>Nearest Surface Water Feature</b> Ordnance Survey	July 2012	Quarterly
<b>Pollution Incidents to Controlled Waters</b> Environment Agency - North West Region	January 2000	Not Applicable
<b>Prosecutions Relating to Authorised Processes</b> Environment Agency - North West Region	September 2012	Monthly
<b>Prosecutions Relating to Controlled Waters</b> Environment Agency - North West Region	September 2012	Monthly
<b>Registered Radioactive Substances</b> Environment Agency - North West Region	October 2012	Quarterly
<b>River Quality</b> Environment Agency - Head Office	November 2001	Not Applicable
<b>River Quality Biology Sampling Points</b> Environment Agency - Head Office	July 2012	Annually
<b>River Quality Chemistry Sampling Points</b> Environment Agency - Head Office	July 2012	Annually
<b>Substantiated Pollution Incident Register</b> Environment Agency - North West Region - South Area	October 2012	Quarterly
<b>Water Abstractions</b> Environment Agency - North West Region	July 2012	Quarterly
<b>Water Industry Act Referrals</b> Environment Agency - North West Region	October 2012	Quarterly

Agency & Hydrological	Version	Update Cycle
<b>Groundwater Vulnerability</b> Environment Agency - Head Office	January 2011	Not Applicable
<b>Drift Deposits</b> Environment Agency - Head Office	January 1999	Not Applicable
<b>Bedrock Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	September 2011	Annually
<b>Superficial Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	September 2011	Annually
<b>Source Protection Zones</b> Environment Agency - Head Office	July 2012	Quarterly
<b>Extreme Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	October 2012	Quarterly
<b>Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	October 2012	Quarterly
<b>Areas Benefiting from Flood Defences</b> Environment Agency - Head Office	October 2012	Quarterly
<b>Flood Water Storage Areas</b> Environment Agency - Head Office	October 2012	Quarterly
<b>Flood Defences</b> Environment Agency - Head Office	October 2012	Quarterly
Waste	Version	Update Cycle
<b>BGS Recorded Landfill Sites</b> British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
<b>Historical Landfill Sites</b> Environment Agency - North West Region - South Area	October 2012	Quarterly
<b>Integrated Pollution Control Registered Waste Sites</b> Environment Agency - North West Region	October 2008	Not Applicable
<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Environment Agency - North West Region - South Area	October 2012	Quarterly
<b>Licensed Waste Management Facilities (Locations)</b> Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	October 2012 October 2012	Quarterly Quarterly
<b>Local Authority Landfill Coverage</b> Knowsley Metropolitan Borough Council Liverpool City Council - Liverpool Environmental Health & Trading Standards Division Merseyside Waste Disposal Authority Sefton Metropolitan Borough Council - Environmental Health Department Wirral Borough Council	May 2000 May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
<b>Local Authority Recorded Landfill Sites</b> Knowsley Metropolitan Borough Council Liverpool City Council - Liverpool Environmental Health & Trading Standards Division Merseyside Waste Disposal Authority Sefton Metropolitan Borough Council - Environmental Health Department Wirral Borough Council	May 2000 May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
<b>Registered Landfill Sites</b> Environment Agency - North West Region - South Area	March 2003	Not Applicable
<b>Registered Waste Transfer Sites</b> Environment Agency - North West Region - South Area	March 2003	Not Applicable
<b>Registered Waste Treatment or Disposal Sites</b> Environment Agency - North West Region - South Area	March 2003	Not Applicable

Hazardous Substances	Version	Update Cycle
<b>Control of Major Accident Hazards Sites (COMAH)</b> Health and Safety Executive	October 2012	Bi-Annually
<b>Explosive Sites</b> Health and Safety Executive	June 2012	Bi-Annually
<b>Notification of Installations Handling Hazardous Substances (NIHHS)</b> Health and Safety Executive	November 2000	Not Applicable
<b>Planning Hazardous Substance Enforcements</b> Sefton Metropolitan Borough Council Wirral Borough Council Liverpool City Council Knowsley Metropolitan Borough Council	April 2012 December 2011 January 2012 July 2012	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Planning Hazardous Substance Consents</b> Sefton Metropolitan Borough Council Wirral Borough Council Liverpool City Council Knowsley Metropolitan Borough Council	April 2012 December 2011 January 2012 July 2012	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Geological	Version	Update Cycle
<b>BGS 1:625,000 Solid Geology</b> British Geological Survey - National Geoscience Information Service	August 1996	Not Applicable
<b>BGS Estimated Soil Chemistry</b> British Geological Survey - National Geoscience Information Service	January 2010	Variable
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	October 2012	Bi-Annually
<b>Brine Compensation Area</b> Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
<b>Coal Mining Affected Areas</b> The Coal Authority - Mining Report Service	January 2012	As notified
<b>Mining Instability</b> Ove Arup & Partners	October 2000	Not Applicable
<b>Non Coal Mining Areas of Great Britain</b> British Geological Survey - National Geoscience Information Service	February 2011	Not Applicable
<b>Potential for Collapsible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	February 2011	Annually
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	February 2011	Annually
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	February 2011	Annually
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	February 2011	Annually
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	February 2011	Annually
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	February 2011	Annually
<b>Radon Potential - Radon Affected Areas</b> British Geological Survey - National Geoscience Information Service	July 2011	As notified
<b>Radon Potential - Radon Protection Measures</b> British Geological Survey - National Geoscience Information Service	July 2011	As notified

Industrial Land Use	Version	Update Cycle
<b>Contemporary Trade Directory Entries</b> Thomson Directories	August 2012	Quarterly
<b>Fuel Station Entries</b> Catalist Ltd - Experian	August 2012	Quarterly
Sensitive Land Use	Version	Update Cycle
<b>Areas of Adopted Green Belt</b> Knowsley Metropolitan Borough Council Liverpool City Council Sefton Metropolitan Borough Council Wirral Borough Council	August 2012 August 2012 August 2012 August 2012	As notified As notified As notified As notified
<b>Areas of Unadopted Green Belt</b> Knowsley Metropolitan Borough Council Liverpool City Council Sefton Metropolitan Borough Council Wirral Borough Council	August 2012 August 2012 August 2012 August 2012	As notified As notified As notified As notified
<b>Areas of Outstanding Natural Beauty</b> Natural England	July 2012	Bi-Annually
<b>Environmentally Sensitive Areas</b> Natural England	February 2012	Annually
<b>Forest Parks</b> Forestry Commission	April 1997	Not Applicable
<b>Local Nature Reserves</b> Natural England	February 2012	Bi-Annually
<b>Marine Nature Reserves</b> Natural England	August 2012	Bi-Annually
<b>National Nature Reserves</b> Natural England	February 2012	Bi-Annually
<b>National Parks</b> Natural England	August 2012	Bi-Annually
<b>Nitrate Sensitive Areas</b> Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2012	Not Applicable
<b>Nitrate Vulnerable Zones</b> Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2012	Annually
<b>Ramsar Sites</b> Natural England	August 2012	Bi-Annually
<b>Sites of Special Scientific Interest</b> Natural England	August 2012	Bi-Annually
<b>Special Areas of Conservation</b> Natural England	August 2012	Bi-Annually
<b>Special Protection Areas</b> Natural England	August 2012	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	<b>Liverpool City Council - Liverpool Environmental Health &amp; Trading Standards Division</b> Millenium House, 60 Victoria Street, Liverpool, Merseyside, L1 6LD	Telephone: 0151 233 3000 Email: <a href="mailto:environmental.health@liverpool.gov.uk">environmental.health@liverpool.gov.uk</a> Website: <a href="http://www.liverpool.gov.uk">www.liverpool.gov.uk</a>
2	<b>Environment Agency - National Customer Contact Centre (NCCC)</b> PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: <a href="mailto:enquiries@environment-agency.gov.uk">enquiries@environment-agency.gov.uk</a>
3	<b>British Geological Survey - Enquiry Service</b> British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: <a href="mailto:enquiries@bgs.ac.uk">enquiries@bgs.ac.uk</a> Website: <a href="http://www.bgs.ac.uk">www.bgs.ac.uk</a>
4	<b>Landmark Information Group Limited</b> 5 - 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Telephone: 01392 441761 Fax: 01392 441709 Email: <a href="mailto:cssupport@landmarkinfo.co.uk">cssupport@landmarkinfo.co.uk</a> Website: <a href="http://www.landmarkinfo.co.uk">www.landmarkinfo.co.uk</a>
5	<b>Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)</b> Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
6	<b>Merseyside Waste Disposal Authority</b> 2nd Floor, North House, 17 North John Street, Liverpool, Merseyside, L2 5QY	Telephone: 0151 2551444 Fax: 0151 2271848 Email: <a href="mailto:enquiries@merseysidewda.gov.uk">enquiries@merseysidewda.gov.uk</a>
-	<b>Health Protection Agency - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards</b> Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: <a href="mailto:radon@hpa.org.uk">radon@hpa.org.uk</a> Website: <a href="http://www.hpa.org.uk">www.hpa.org.uk</a>
-	<b>Landmark Information Group Limited</b> The Smith Centre, Henley On Thames, Oxfordshire, RG9 6AB	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: <a href="mailto:customerservices@landmarkinfo.co.uk">customerservices@landmarkinfo.co.uk</a> Website: <a href="http://www.landmarkinfo.co.uk">www.landmarkinfo.co.uk</a>

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





### General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

### Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral
- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

### Waste

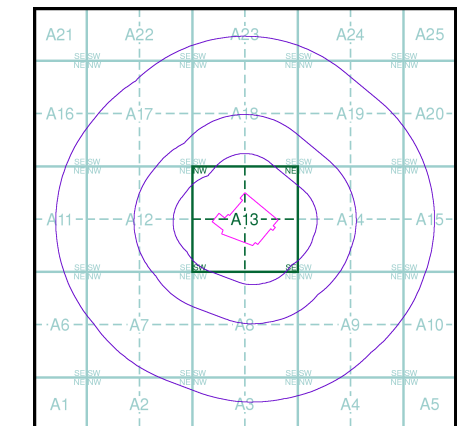
### Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement
- BGS Recorded Mineral Site
- Contemporary Trade Directory Entry
- Fuel Station Entry

### Geological

### Industrial Land Use

## Site Sensitivity Map - Slice A

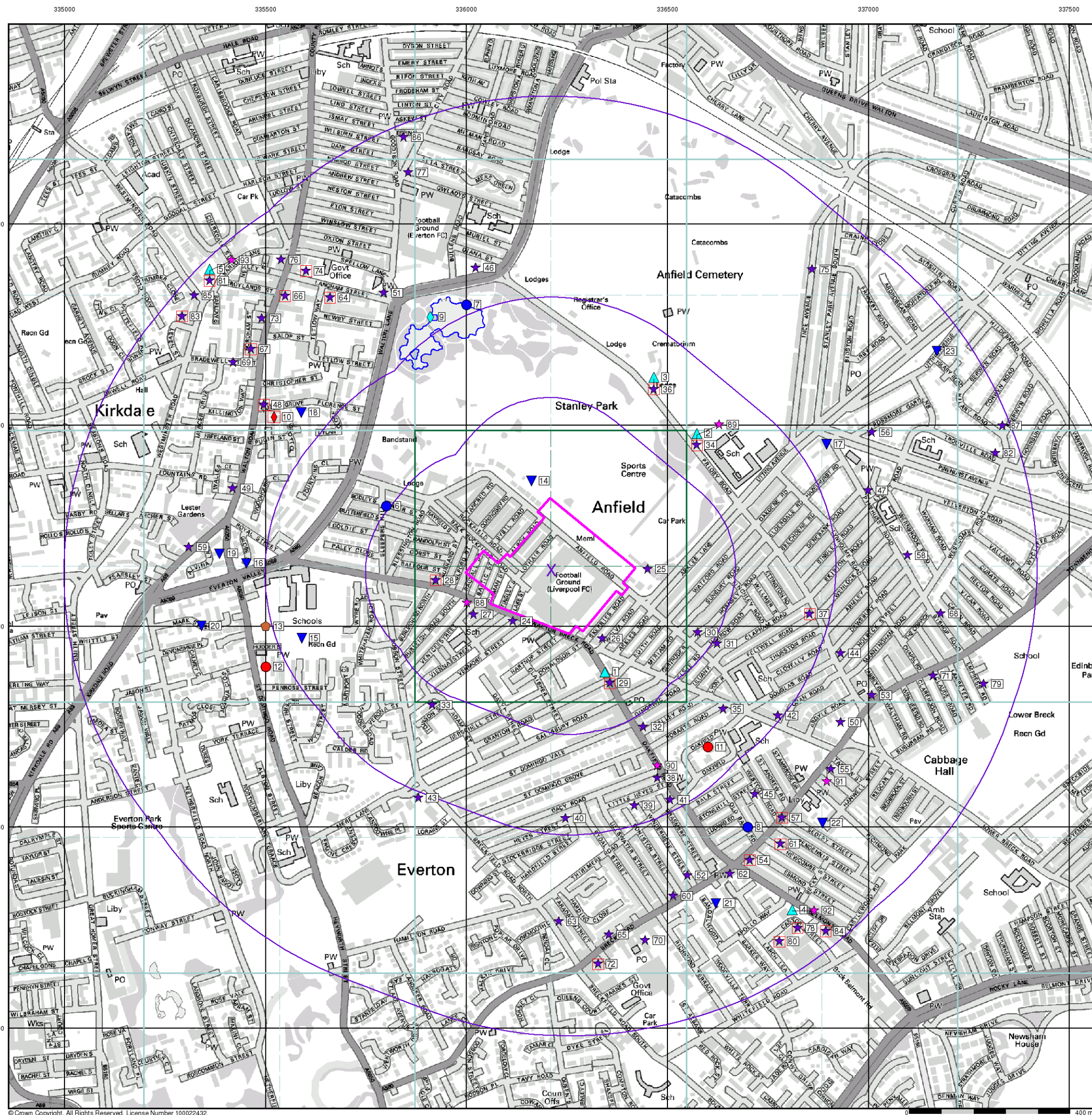


### Order Details

Order Number: 42580690\_1\_1  
Customer Ref: UNP3220  
National Grid Reference: 336210, 393140  
Slice: A  
Site Area (Ha): 7.27  
Search Buffer (m): 1000

### Site Details

Liverpool Football Club Plc, Anfield Road, LIVERPOOL, L4 0TH





### General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

### Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

### Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

### Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

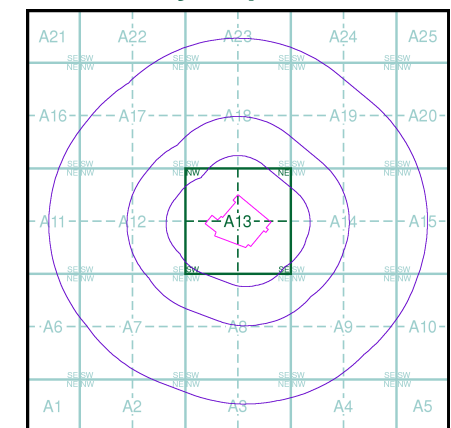
### Geological

- BGS Recorded Mineral Site

### Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

### Site Sensitivity Map - Slice A

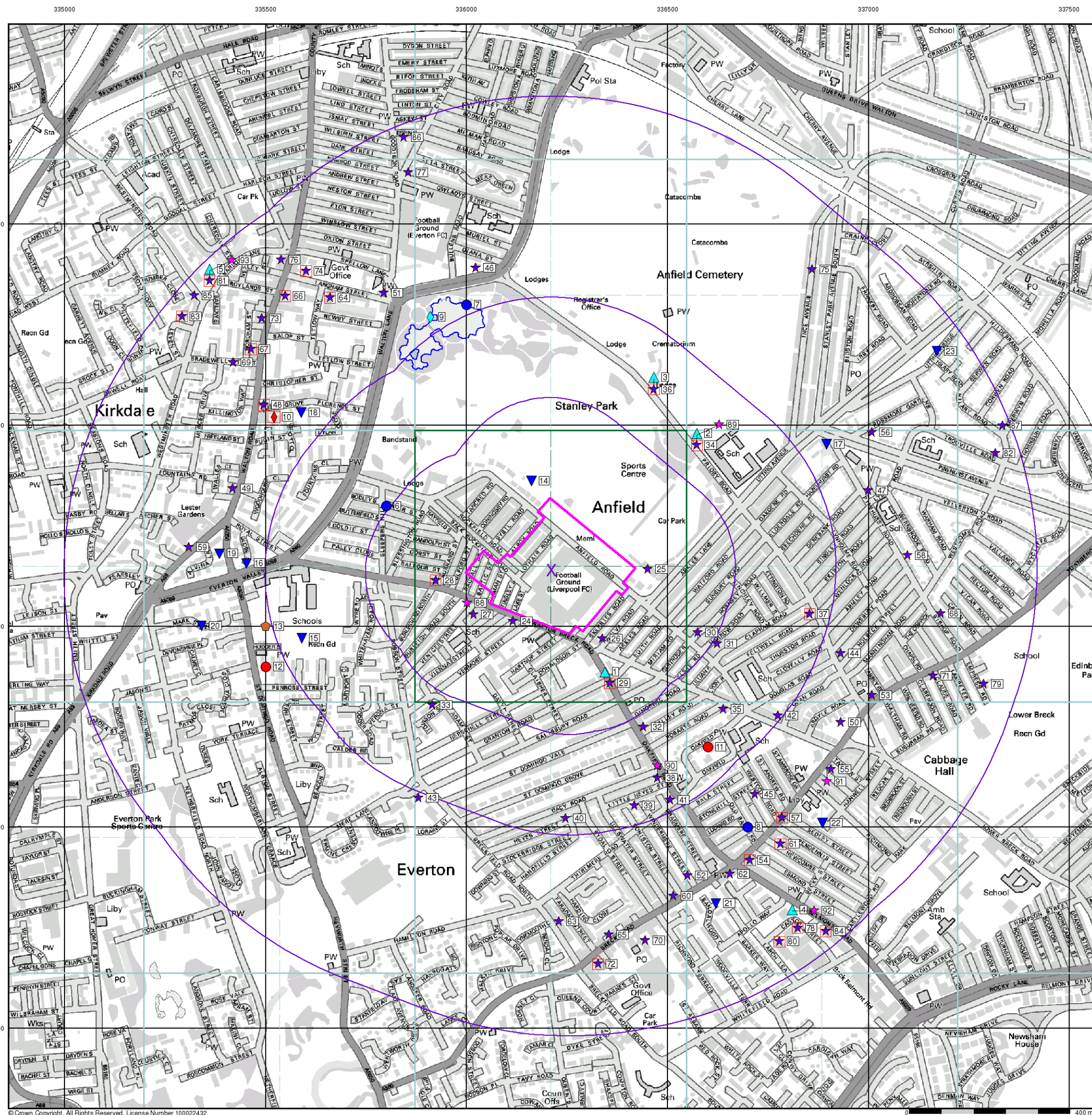


### Order Details

Order Number: 42580690\_1\_1  
Customer Ref: UNP3220  
National Grid Reference: 336210, 393140  
Slice: A  
Site Area (Ha): 7.27  
Search Buffer (m): 1000

### Site Details

Liverpool Football Club Plc, Anfield Road, LIVERPOOL, L4 0TH







## Groundwater Vulnerability

### General

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

### Agency and Hydrological

#### Geological Classes

**Major Aquifer  
(Highly Permeable)**

**Minor Aquifer  
(Variably Permeable)**

**Non Aquifer  
(Negligibly Permeable)**

**Water or Sea**

**Drift Deposit**

#### Soil Classes

High (H) 1, 2, 3, U

Intermediate (I) 1, 2

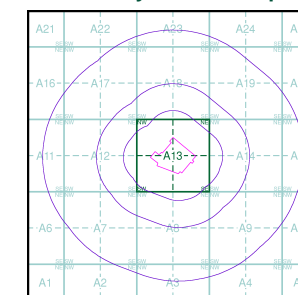
Low

High (H) 1, 2, 3, U

Intermediate (I) 1, 2

Low

### Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 42580690\_1\_1  
Customer Ref: UNP3220  
National Grid Reference: 336210, 393140  
Slice: A  
Site Area (Ha): 7.27  
Search Buffer (m): 1000

### Site Details

Liverpool Football Club Plc, Anfield Road, LIVERPOOL, L4 0TH



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





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## Bedrock Aquifer Designation

### General

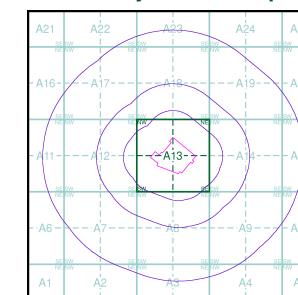
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### Agency and Hydrological

#### Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

### Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 42580690\_1\_1  
 Customer Ref: UNP3220  
 National Grid Reference: 336210, 393140  
 Slice: A  
 Site Area (Ha): 7.27  
 Search Buffer (m): 1000

### Site Details

Liverpool Football Club Plc, Anfield Road, LIVERPOOL, L4 0TH





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0 1 km

## Superficial Aquifer Designation

### General

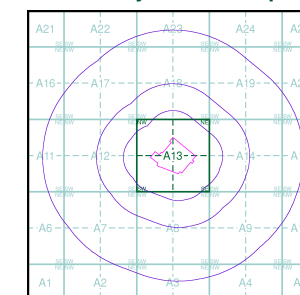
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### Agency and Hydrological

#### Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

### Site Sensitivity Context Map - Slice A



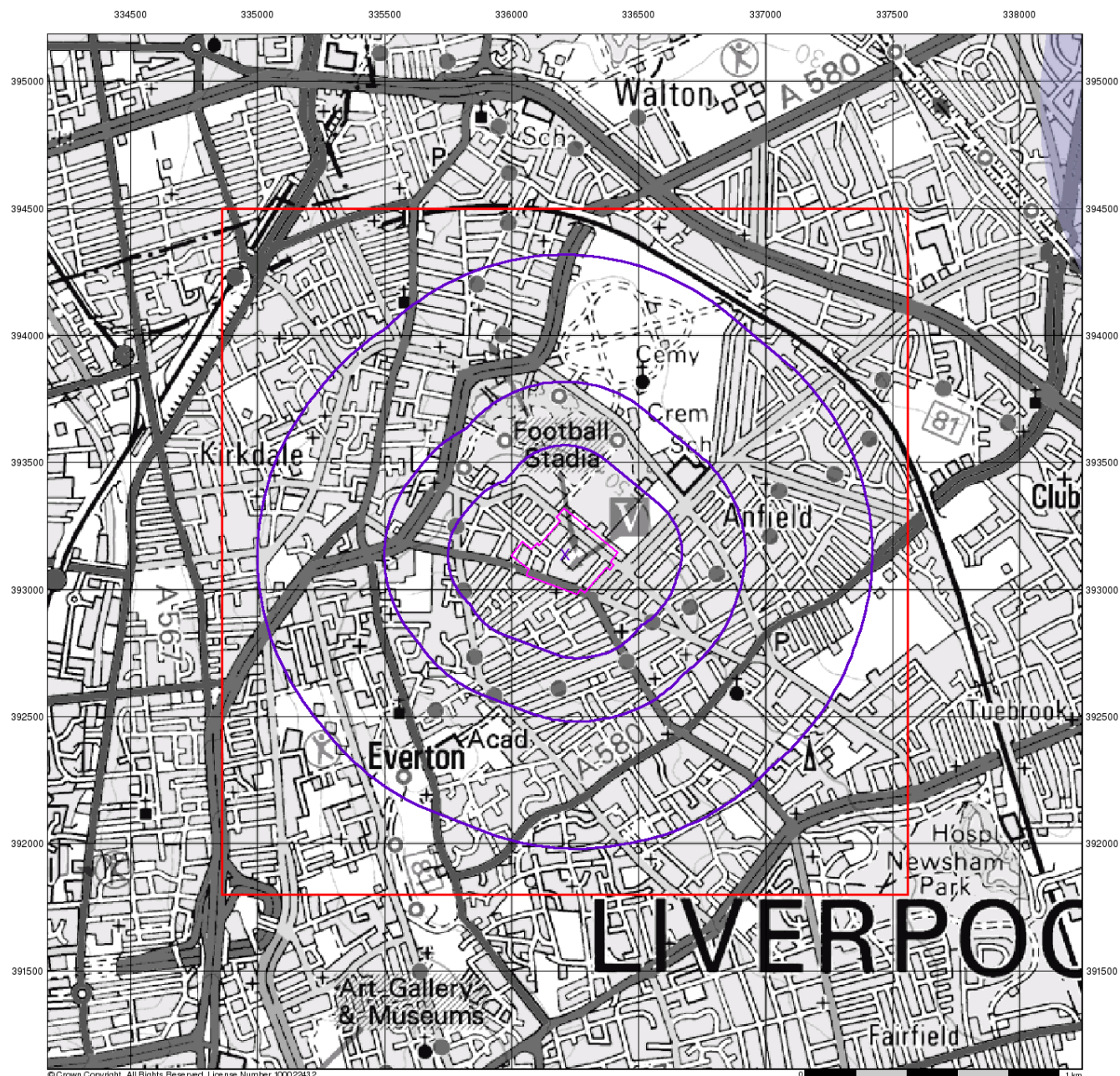
### Order Details

Order Number: 42580690\_1\_1  
 Customer Ref: UNP3220  
 National Grid Reference: 336210, 393140  
 Slice: A  
 Site Area (Ha): 7.27  
 Search Buffer (m): 1000

### Site Details

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## Source Protection Zones

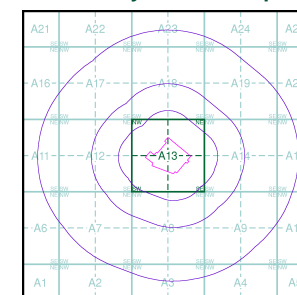
### General

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

### Agency and Hydrological

- Source Protection Zone I
- Source Protection Zone II
- Source Protection Zone III
- Zone of Special Interest
- Source Protection Zone Borehole

## Site Sensitivity Context Map - Slice A



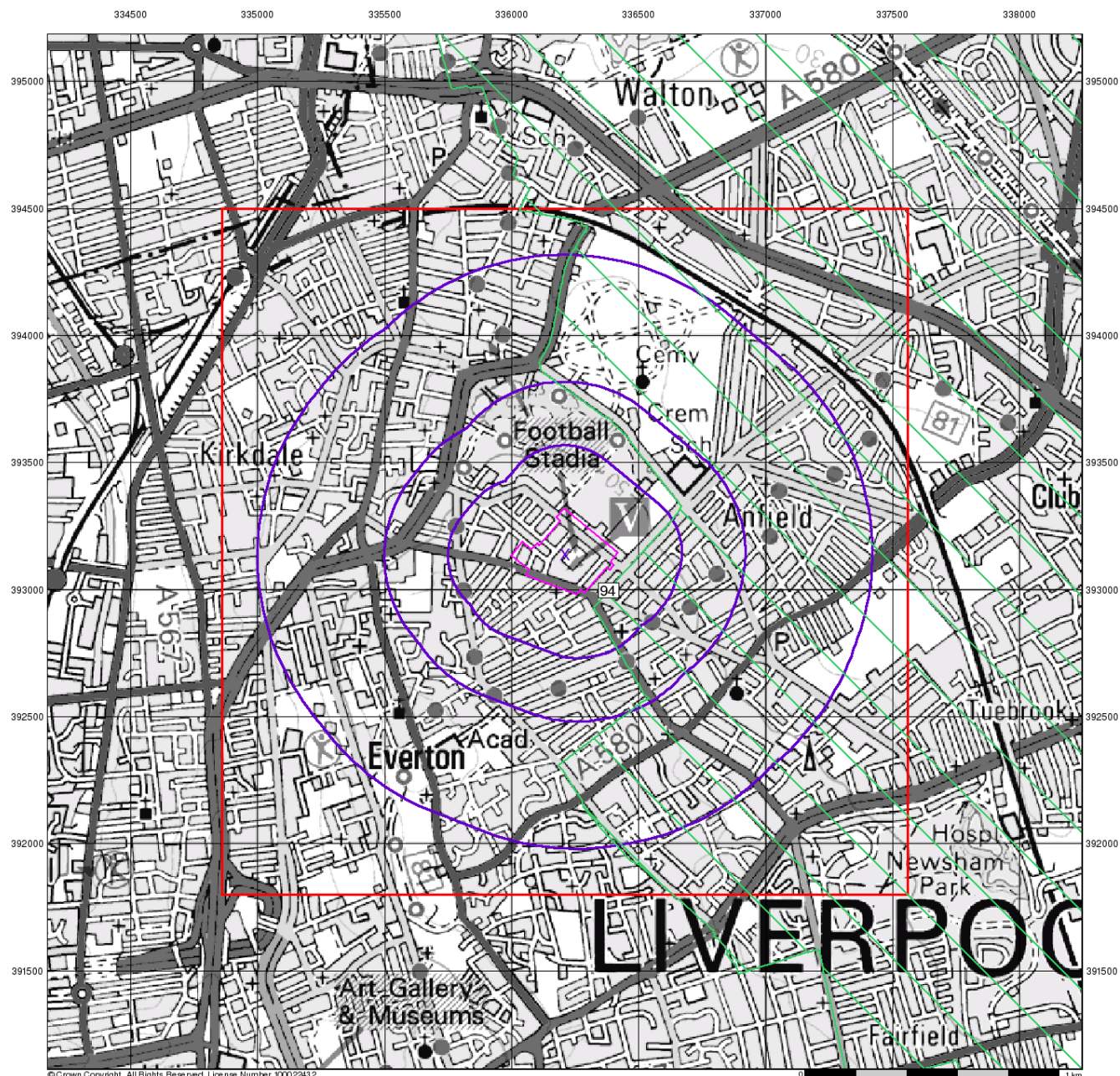
### Order Details

Order Number: 42580690\_1\_1  
 Customer Ref: UNP3220  
 National Grid Reference: 336210, 393140  
 Slice: A  
 Site Area (Ha): 7.27  
 Search Buffer (m): 1000

### Site Details

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## Sensitive Land Uses

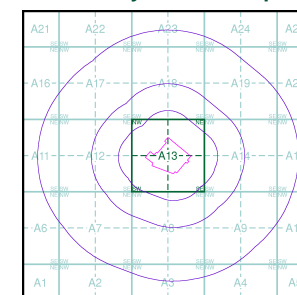
### General

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

### Sensitive Land Uses

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

## Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 42580690\_1\_1  
 Customer Ref: UNP3220  
 National Grid Reference: 336210, 393140  
 Slice: A  
 Site Area (Ha): 7.27  
 Search Buffer (m): 1000

### Site Details

Liverpool Football Club Plc, Anfield Road, LIVERPOOL, L4 0TH





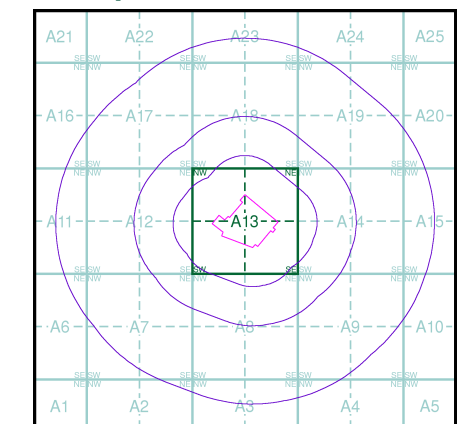
### General

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

### Agency and Hydrological (Flood)

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

### Flood Map - Slice A

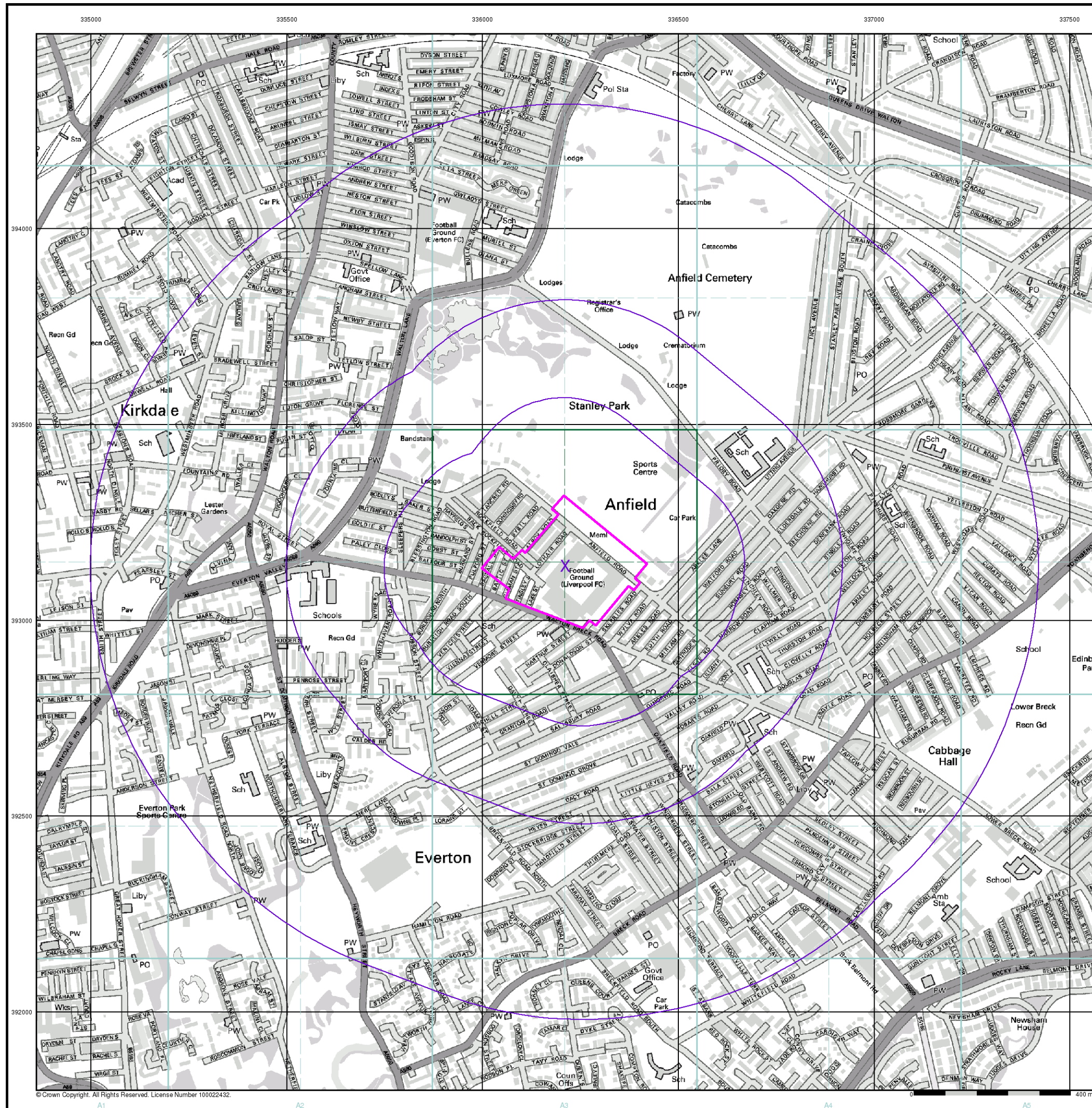


### Order Details

Order Number: 42580690\_1\_1  
 Customer Ref: UNP3220  
 National Grid Reference: 336210, 393140  
 Slice: A  
 Site Area (Ha): 7.27  
 Search Buffer (m): 1000

### Site Details

Liverpool Football Club Plc, Anfield Road, LIVERPOOL, L4 0TH





### General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

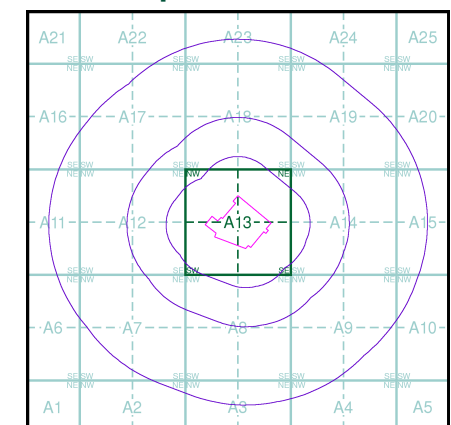
### Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of [www.envirocheck.co.uk](http://www.envirocheck.co.uk).

### Borehole Map - Slice A

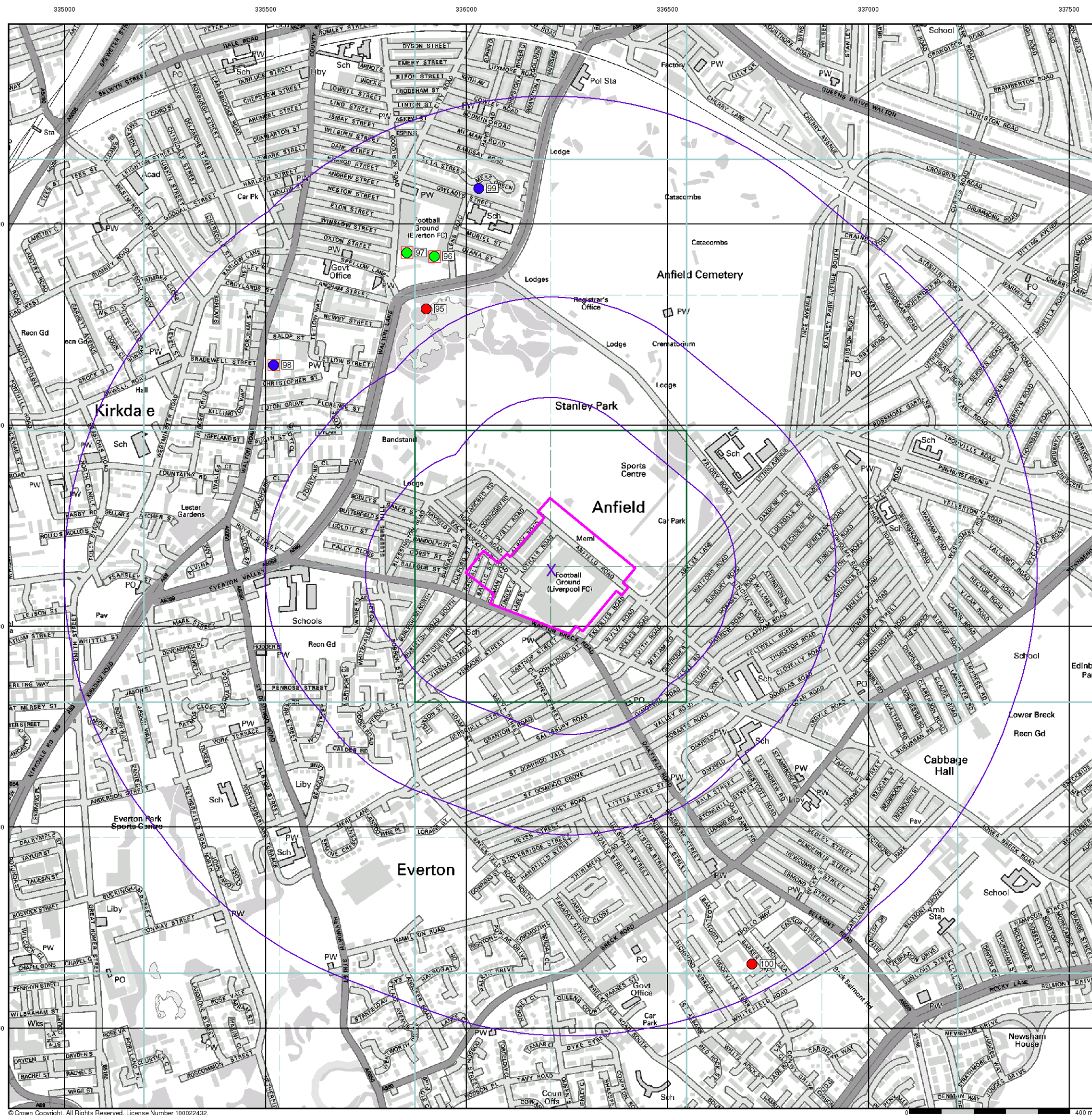


### Order Details

Order Number: 42580690\_1\_1  
 Customer Ref: UNP3220  
 National Grid Reference: 336210, 393140  
 Slice: A  
 Site Area (Ha): 7.27  
 Search Buffer (m): 1000




### Site Details

Liverpool Football Club Plc, Anfield Road, LIVERPOOL, L4 0TH










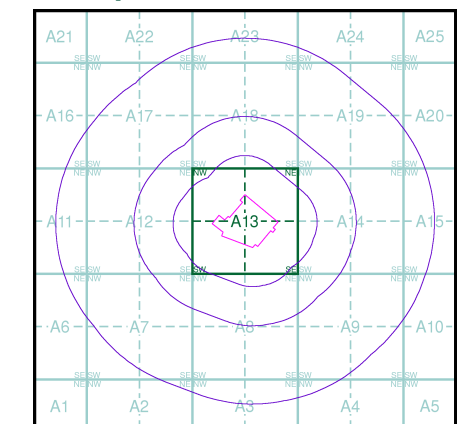
### General

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

### Agency and Hydrological (Flood)

-  Extreme Flooding from Rivers or Sea without Defences (Zone 2)
-  Flooding from Rivers or Sea without Defences (Zone 3)
-  Area Benefiting from Flood Defence
-  Flood Water Storage Areas
-  Flood Defence

### Flood Map - Slice A

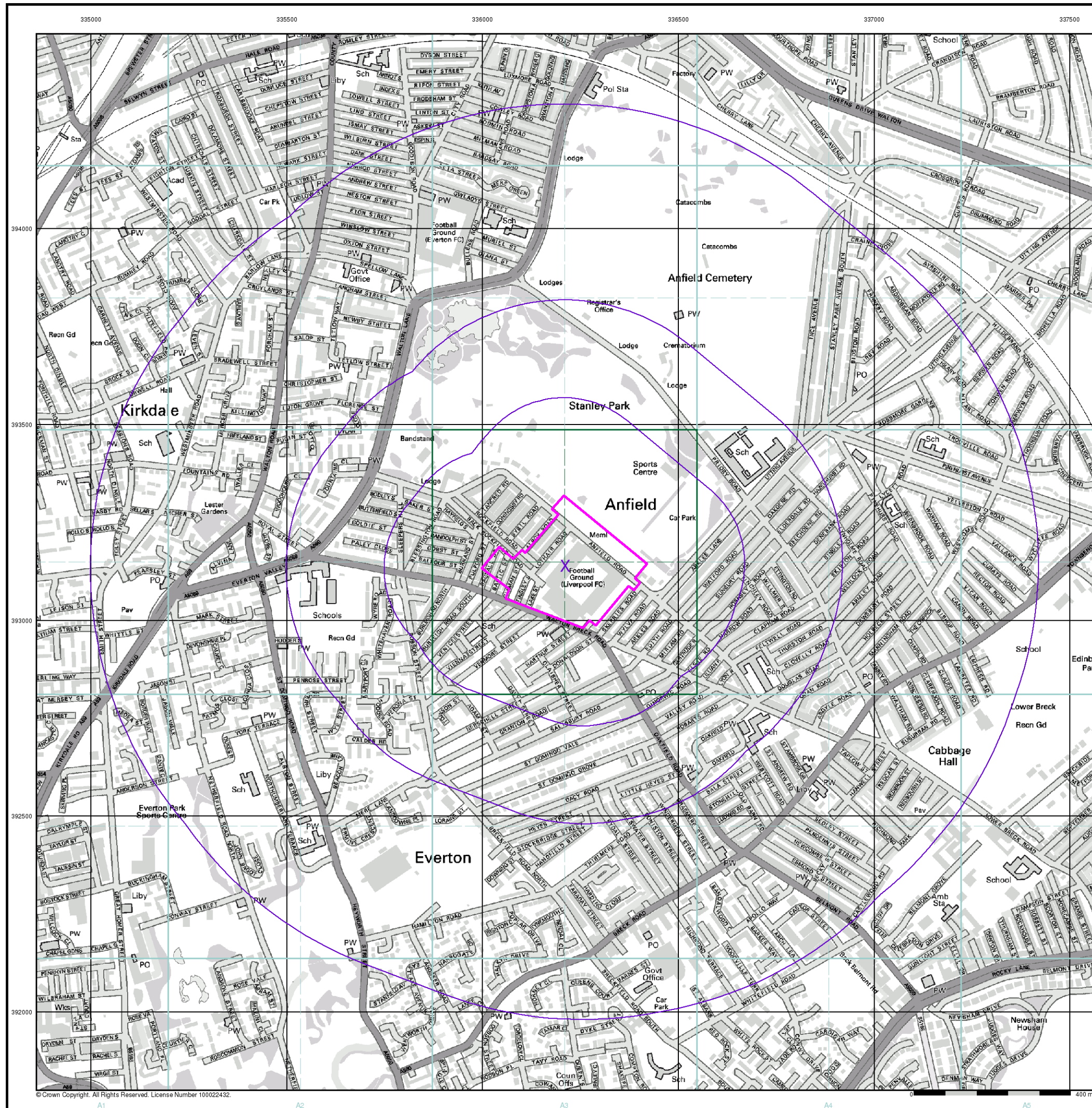


### Order Details

Order Number: 42580690\_1\_1  
 Customer Ref: UNP3220  
 National Grid Reference: 336210, 393140  
 Slice: A  
 Site Area (Ha): 7.27  
 Search Buffer (m): 1000

### Site Details

Liverpool Football Club Plc, Anfield Road, LIVERPOOL, L4 0TH





### General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

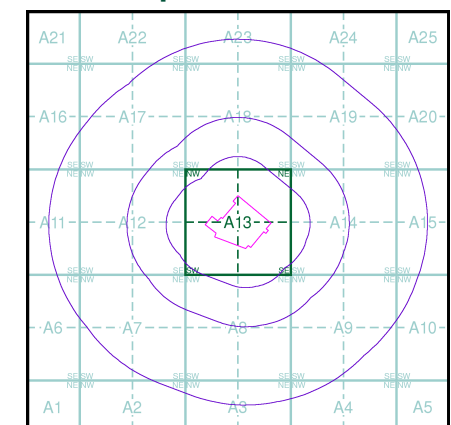
### Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of [www.envirocheck.co.uk](http://www.envirocheck.co.uk).

### Borehole Map - Slice A

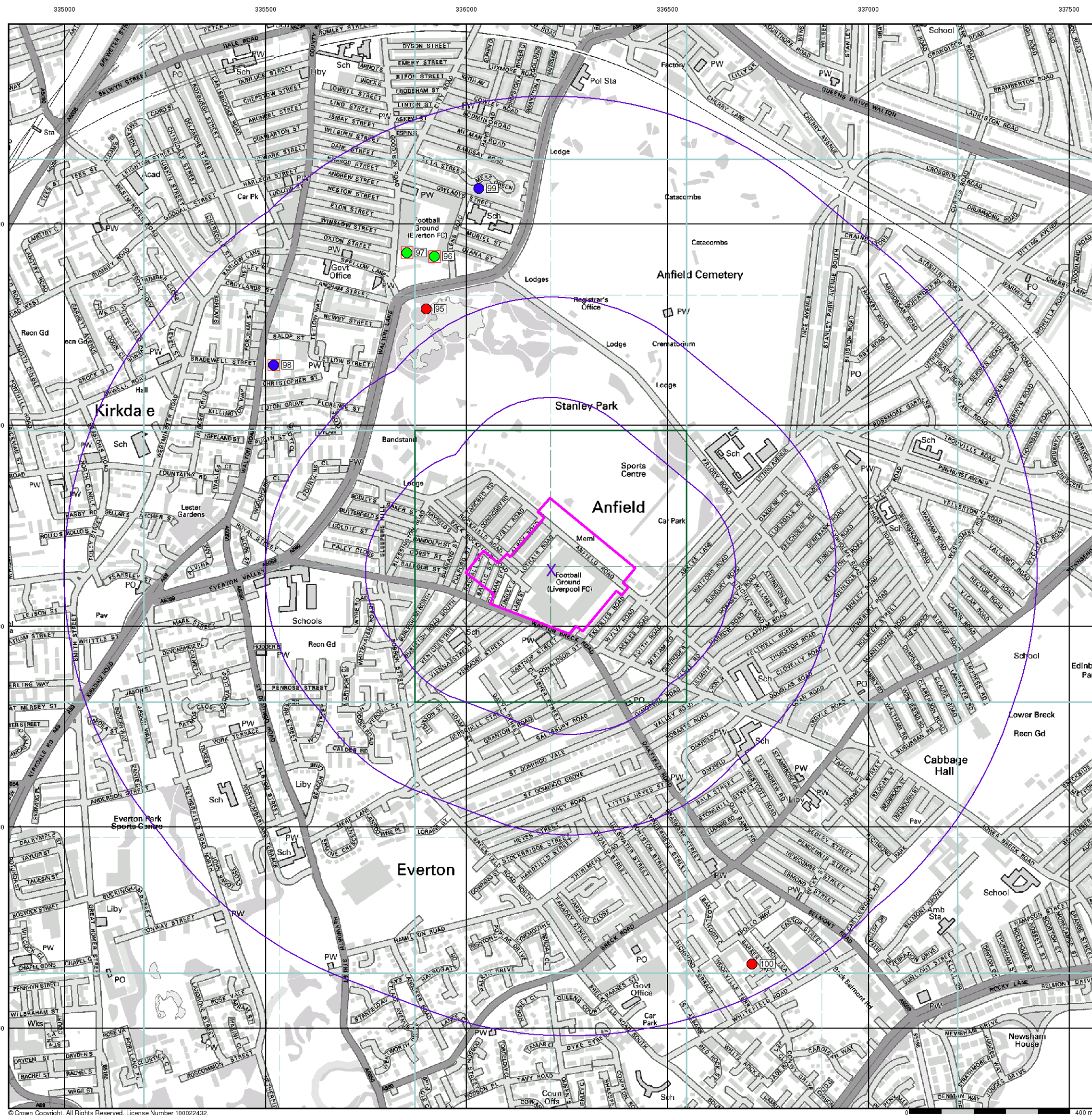


### Order Details

Order Number: 42580690\_1\_1  
 Customer Ref: UNP3220  
 National Grid Reference: 336210, 393140  
 Slice: A  
 Site Area (Ha): 7.27  
 Search Buffer (m): 1000

### Site Details

Liverpool Football Club Plc, Anfield Road, LIVERPOOL, L4 0TH





Historical Mapping Legends

Ordnance Survey County Series 1:10,560

Gravel Pit

Sand Pit

Other Pits

Quarry

Shingle

Orchard

Osiers

Reeds

Marsh

Mixed Wood

Deciduous

Brushwood

Fir

Furze

Rough Pasture

Arrow denotes flow of water

Trigonometrical Station

Site of Antiquities

Bench Mark

Pump, Guide Post, Signal Post

Well, Spring, Boundary Post

**-285** Surface Level

Sketched Contour

Instrumental Contour

**Main Roads**

**Minor Roads**

Sunken Road

Raised Road

Road over Railway

Railway over River

Railway over Road

Level Crossing

Road over River or Canal

Road over Stream

County Boundary (Geographical)

County & Civil Parish Boundary

Administrative County & Civil Parish Boundary

County Borough Boundary (England)

County Borough Boundary (Scotland)

Rural District Boundary

Civil Parish Boundary

Ordnance Survey Plan 1:10,000

Chalk Pit, Clay Pit or Quarry

Gravel Pit

Sand Pit

Disused Pit or Quarry

Refuse or Slag Heap

Lake, Loch or Pond

Dunes

Boulders

Coniferous Trees

Non-Coniferous Trees

Orchard

Scrub

Coppice

Bracken

Heath

Rough Grassland

Marsh

Reeds

Saltings

Building

Glasshouse

Sloping Masonry

Pylon

Electricity Transmission Line

Pole

Cutting

Embankment

Standard Gauge Multiple Track

Standard Gauge Single Track

Siding, Tramway or Mineral Line

Narrow Gauge

Geographical County

Administrative County, County Borough or County of City

Municipal Borough, Urban or Rural District, Burgh or District Council

Borough, Burgh or County Constituency  
Shown only when not coincident with other boundaries

Civil Parish  
Shown alternately when coincidence of boundaries occurs

BP, BS	Boundary Post or Stone	Pol Sta	Police Station
Ch	Church	PO	Post Office
CH	Club House	PC	Public Convenience
F E Sta	Fire Engine Station	PH	Public House
FB	Foot Bridge	SB	Signal Box
Fn	Fountain	Spr	Spring
GP	Guide Post	TCB	Telephone Call Box
MP	Mile Post	TCP	Telephone Call Post
MS	Mile Stone	W	Well

1:10,000 Raster Mapping

Gravel Pit

Refuse tip or slag heap

Rock

Rock (scattered)

Boulders

Boulders (scattered)

Shingle

Mud

Sand

Sand Pit

Slopes

Top of cliff

General detail

Underground detail

Overhead detail

Narrow gauge railway

Multi-track railway

Single track railway

County boundary (England only)

Civil, parish or community boundary

District, Unitary, Metropolitan, London Borough boundary

Constituency boundary

Area of wooded vegetation

Non-coniferous trees

Non-coniferous trees (scattered)

Coniferous trees

Coniferous trees (scattered)

Positioned tree

Orchard

Coppice or Osiers

Rough Grassland

Heath

Scrub

Marsh, Salt Marsh or Reeds

Water feature

Flow arrows

**MHW(S)** Mean high water (springs)

**MLW(S)** Mean low water (springs)

Telephone line (where shown)

Electricity transmission line (with poles)

Bench mark (where shown)

Triangulation station

Point feature (e.g. Guide Post or Mile Stone)

Pylon, flare stack or lighting tower

Site of (antiquity)

Glasshouse

General Building

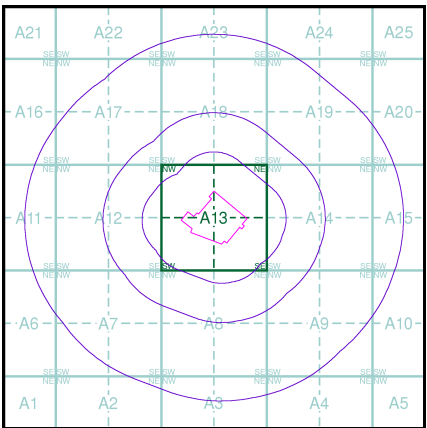
Important Building



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1851	3
Cheshire	1:10,560	1882	4
Lancashire And Furness	1:10,560	1894	5
Cheshire	1:10,560	1899 - 1900	6
Lancashire And Furness	1:10,560	1909 - 1910	7
Cheshire	1:10,560	1913	8
Cheshire	1:10,560	1927 - 1928	9
Lancashire And Furness	1:10,560	1928	10
Lancashire And Furness	1:10,560	1928	11
Cheshire	1:10,560	1938	12
Lancashire And Furness	1:10,560	1938	13
Ordnance Survey Plan	1:10,000	1956 - 1957	14
Ordnance Survey Plan	1:10,000	1967 - 1968	15
Ordnance Survey Plan	1:10,000	1973 - 1977	16
Liverpool	1:10,000	1974	17
Ordnance Survey Plan	1:10,000	1984	18
Ordnance Survey Plan	1:10,000	1990 - 1991	19
10K Raster Mapping	1:10,000	2006	20
10K Raster Mapping	1:10,000	2012	21

Historical Map - Slice A



Order Details

Order Number: 42580690\_1\_1  
Customer Ref: UNP3220  
National Grid Reference: 336210, 393140  
Slice: A  
Site Area (Ha): 7.27  
Search Buffer (m): 1000

Site Details

Liverpool Football Club Plc, Anfield Road, LIVERPOOL, L4 0TH

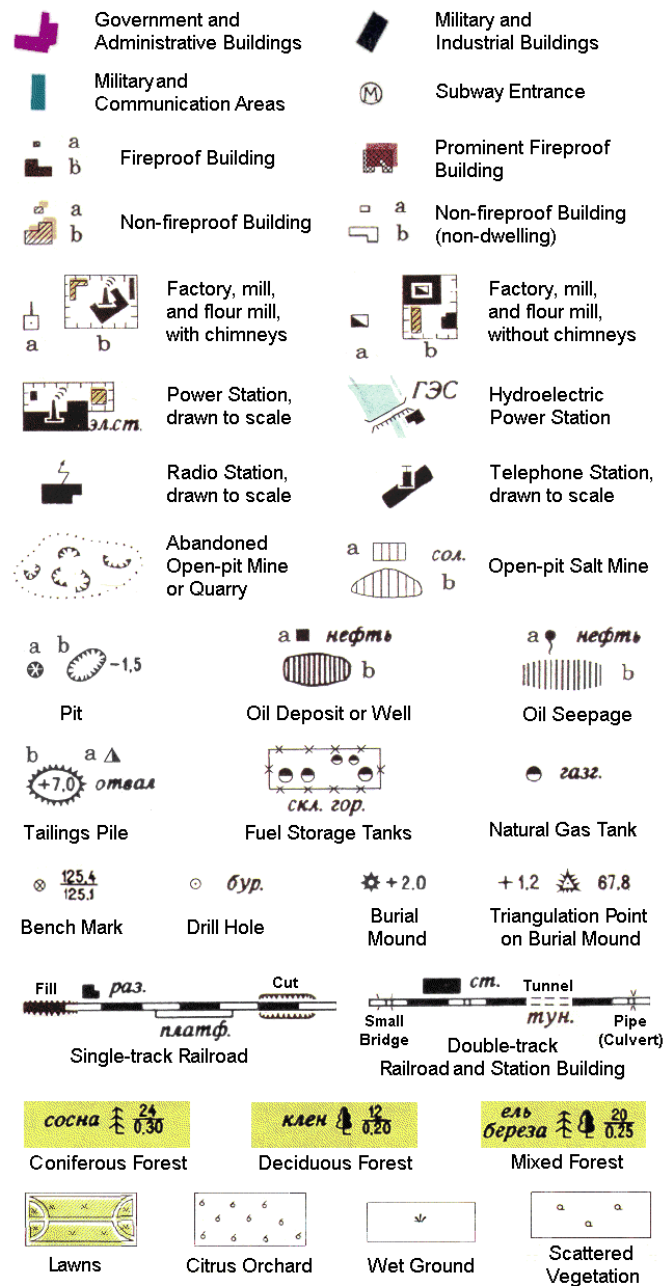


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Web: www.envirocheck.co.uk

# Russian Military Mapping Legends

## 1:5,000 and 1:10,000 mapping

a. Not drawn to scale b. Drawn to scale



**243.8** Values for prominent elevations

**186.0** Numbers for spot elevations, depth soundings, contour lines, etc.

**0.2** Velocity of the current, width of river bed, depth of river

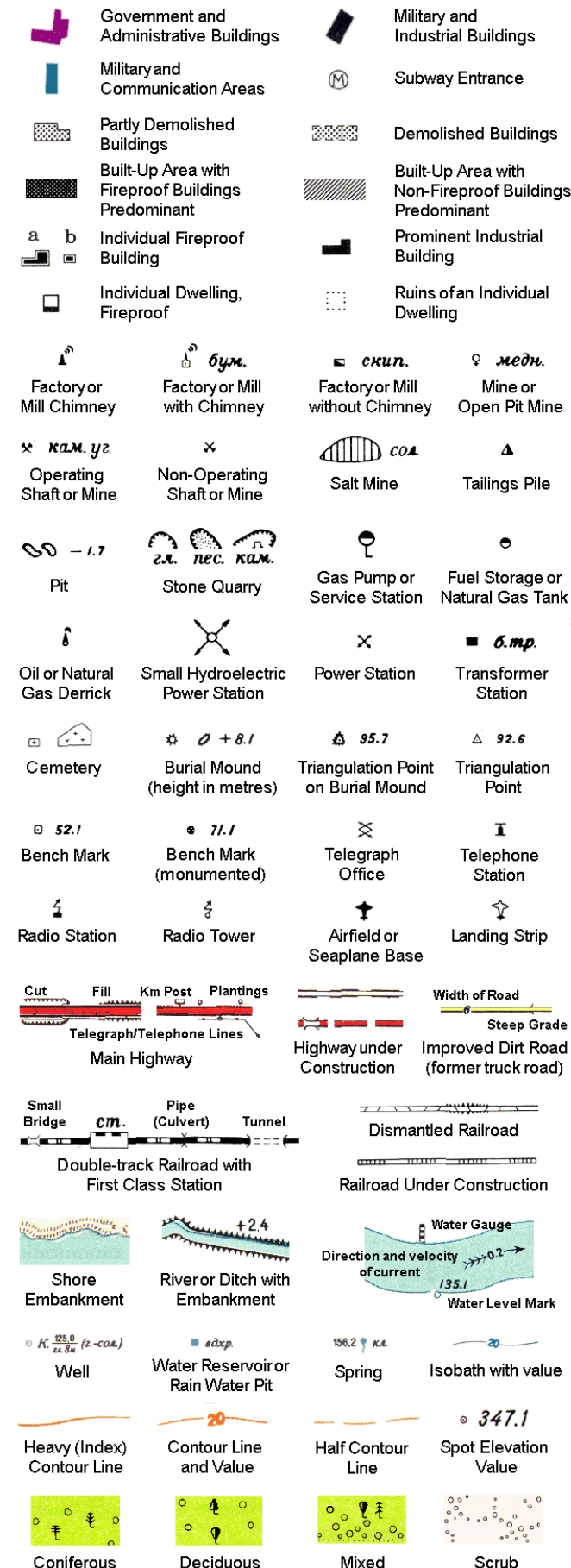
**180/12** Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

### Russian Alphabet (For reference and phonetic interpretation of map text)

<b>А а (A)</b>	<b>З з (Z)</b>	<b>П п (P)</b>	<b>Ч ч (CH)</b>
<b>Б б (B)</b>	<b>И и (I)</b>	<b>Р р (R)</b>	<b>Ш ш (SH)</b>
<b>В в (V)</b>	<b>Й й (Y)</b>	<b>С с (S)</b>	<b>Щ щ (SHCH)</b>
<b>Г г (G)</b>	<b>К к (K)</b>	<b>Т т (T)</b>	<b>Ъ (-)</b>
<b>Д д (D)</b>	<b>Л л (L)</b>	<b>У у (U)</b>	<b>Ы (Y)</b>
<b>Е е (E)</b>	<b>М м (M)</b>	<b>Ф ф (F)</b>	<b>Ь (')</b>
<b>Ё ё (YO)</b>	<b>Н н (N)</b>	<b>Х х (KH)</b>	<b>Э э (E)</b>
<b>Ж ж (ZH)</b>	<b>О о (O)</b>	<b>Ц ц (TS)</b>	<b>Ю ю (YU or IU)</b>
			<b>Я я (YA or IA)</b>

## 1:25,000 mapping

a. Not drawn to scale b. Drawn to scale



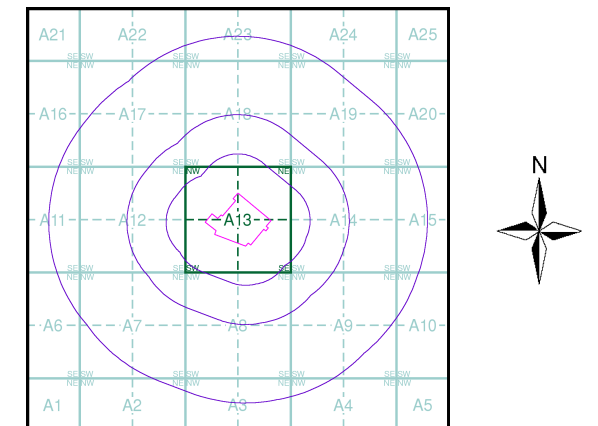
## Key to Numbers on Mapping



## Historical Mapping & Photography included:

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Lancashire And Furness	1:10,560	1851	3
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Lancashire And Furness	1:10,560	1894	5
Cheshire	1:10,560	1899 - 1900	6
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Liverpool	1:10,000	1974	17
Ordnance Survey Plan	1:10,000	1984	18
Ordnance Survey Plan	1:10,000	1990 - 1991	19
10K Raster Mapping	1:10,000	2006	20
10K Raster Mapping	1:10,000	2012	21

## Russian Map - Slice A



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Order Number: 42580690\_1\_1  
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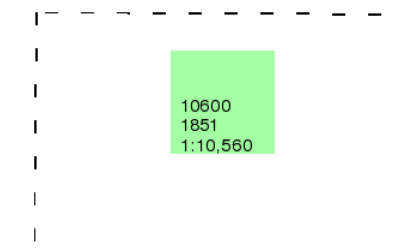
## Lancashire And Furness

Published 1851

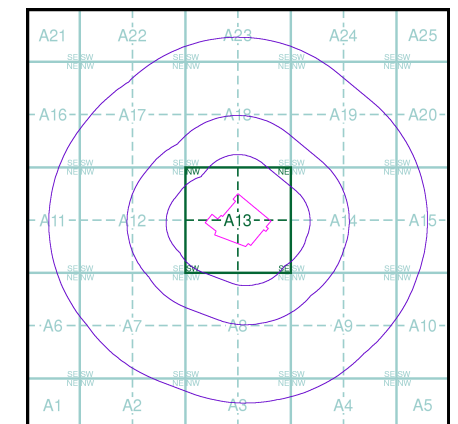
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

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



### Historical Map - Slice A

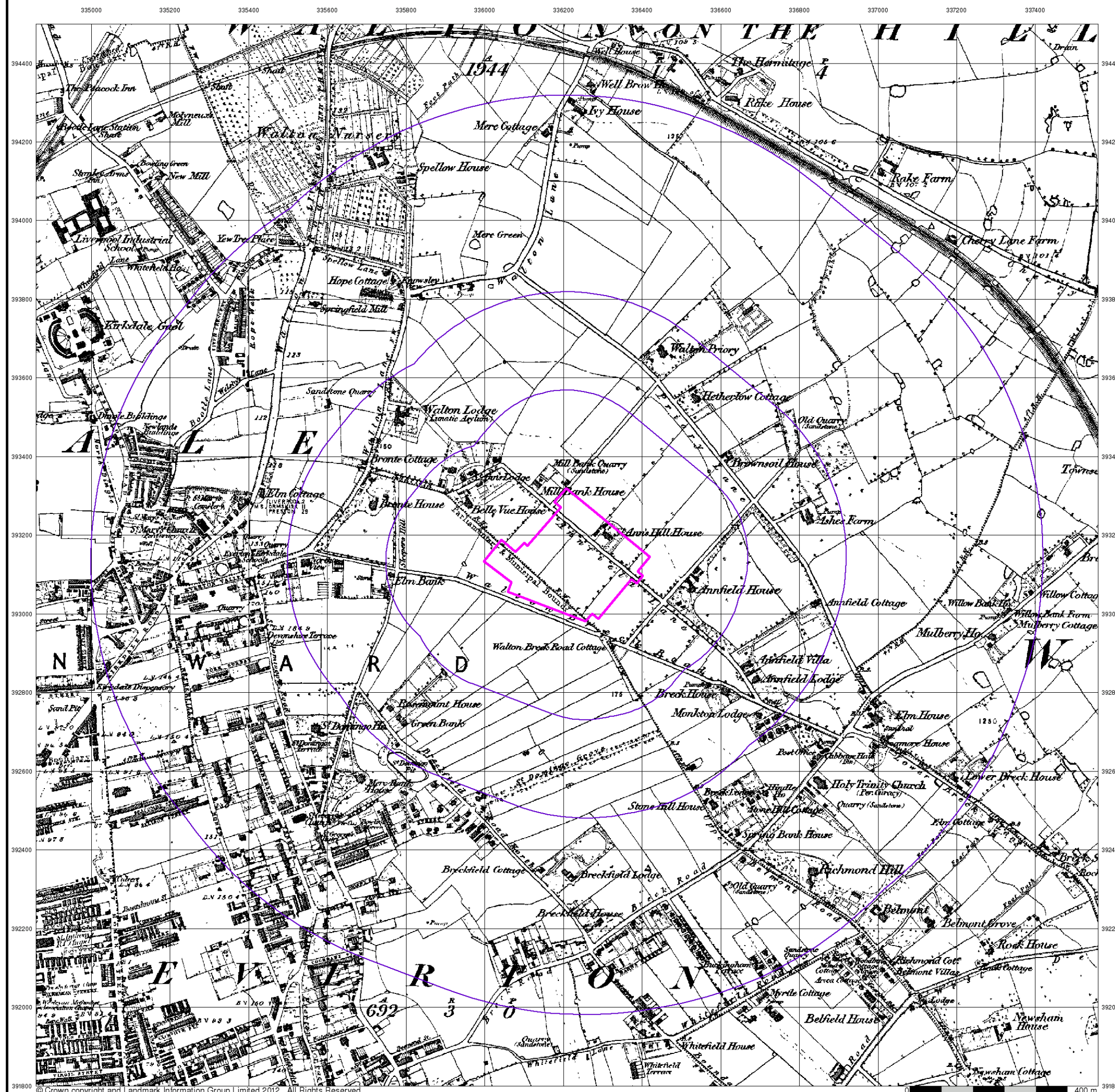


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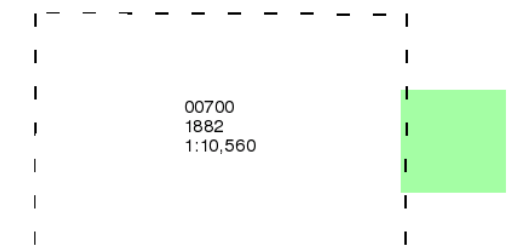
## Cheshire

**Published 1882**

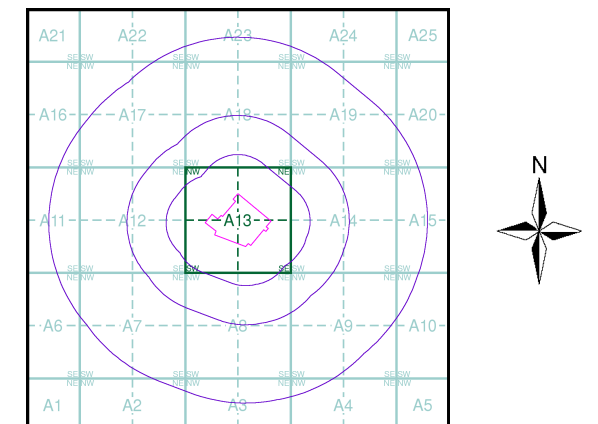
**Source map scale - 1:10,560**

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

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