# Appendix B

## Historical Maps



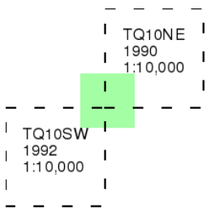

# Ordnance Survey Plan

## Published 1990 - 1992

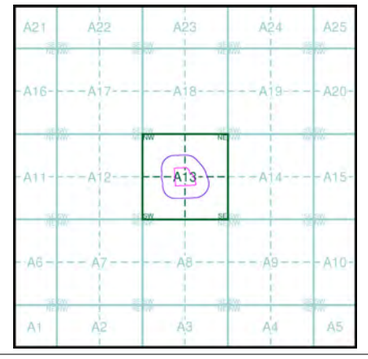
## Source map scale - 1:10,000

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

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




## Historical Map - Slice A



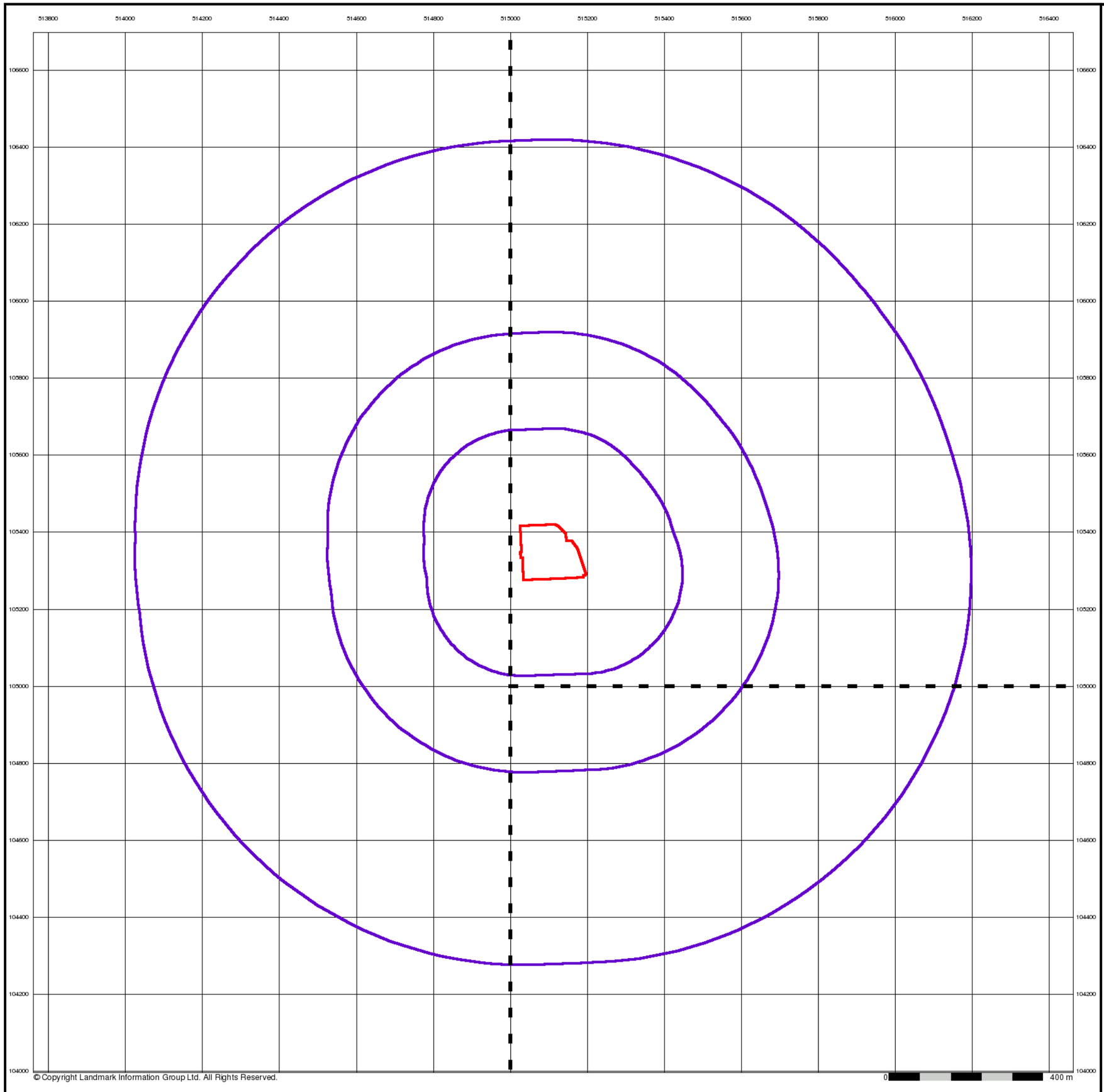

## Order Details

| | |
|---|---|
| Order Number: | 309737039_1_1 |
| Customer Ref: | 2303011 - Lyons Farm, Worthing |
| National Grid Reference: | 515100, 105340 |
| Slice: | A |
| Site Area (Ha): | 1.96 |
| Search Buffer (m): | 1000 |

## Site Details

Sainsburys Supermarkets Ltd, Downland Business Park, Lyons Way, WORTHING, BN14 9LA

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



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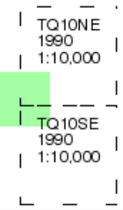
# Brighton

## Published 1990

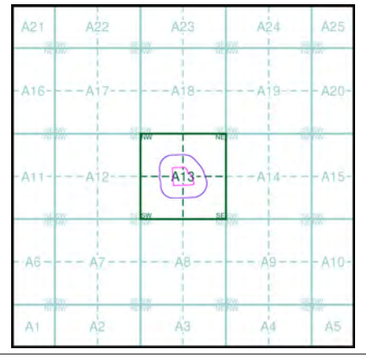
## Source map scale - 1:10,000

These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use.
They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

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




## Russian Map - Slice A




## Order Details

| | |
|---|---|
| Order Number: | 309737039_1_1 |
| Customer Ref: | 2303011 - Lyons Farm, Worthing |
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Sainsburys Supermarkets Ltd, Downland Business Park, Lyons Way, WORTHING, BN14 9LA

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




## 10k Raster Mapping

## Published 2000

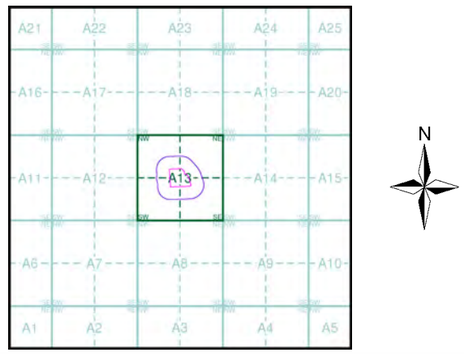
## Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey`s 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

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

| | |
|---|---|
| TQ10NW 2000 1:10,000 | TQ10NE 2000 1:10,000 |
| TQ10SW 2000 1:10,000 | TQ10SE 2000 1:10,000 |

## Historical Map - Slice A




## Order Details

| | |
|---|---|
| Order Number: | 309737039_1_1 |
| Customer Ref: | 2303011 - Lyons Farm, Worthing |
| National Grid Reference: | 515100, 105340 |
| Slice: | A |
| Site Area (Ha): | 1.96 |
| Search Buffer (m): | 1000 |

## Site Details

Sainsburys Supermarkets Ltd, Downland Business Park, Lyons Way, WORTHING, BN14 9LA

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



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## 10k Raster Mapping

**Published 2006**

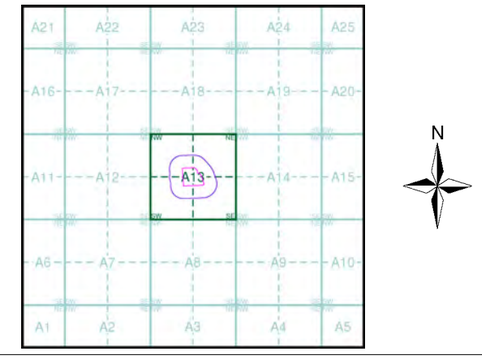
**Source map scale - 1:10,000**

The historical maps shown were produced from the Ordnance Survey`s 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

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

| | |
|---|---|
| TQ10NW 2006 1:10,000 | TQ10NE 2006 1:10,000 |
| TQ10SW 2006 1:10,000 | TQ10SE 2006 1:10,000 |

## Historical Map - Slice A




## Order Details

| | |
|---|---|
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| Customer Ref: | 2303011 - Lyons Farm, Worthing |
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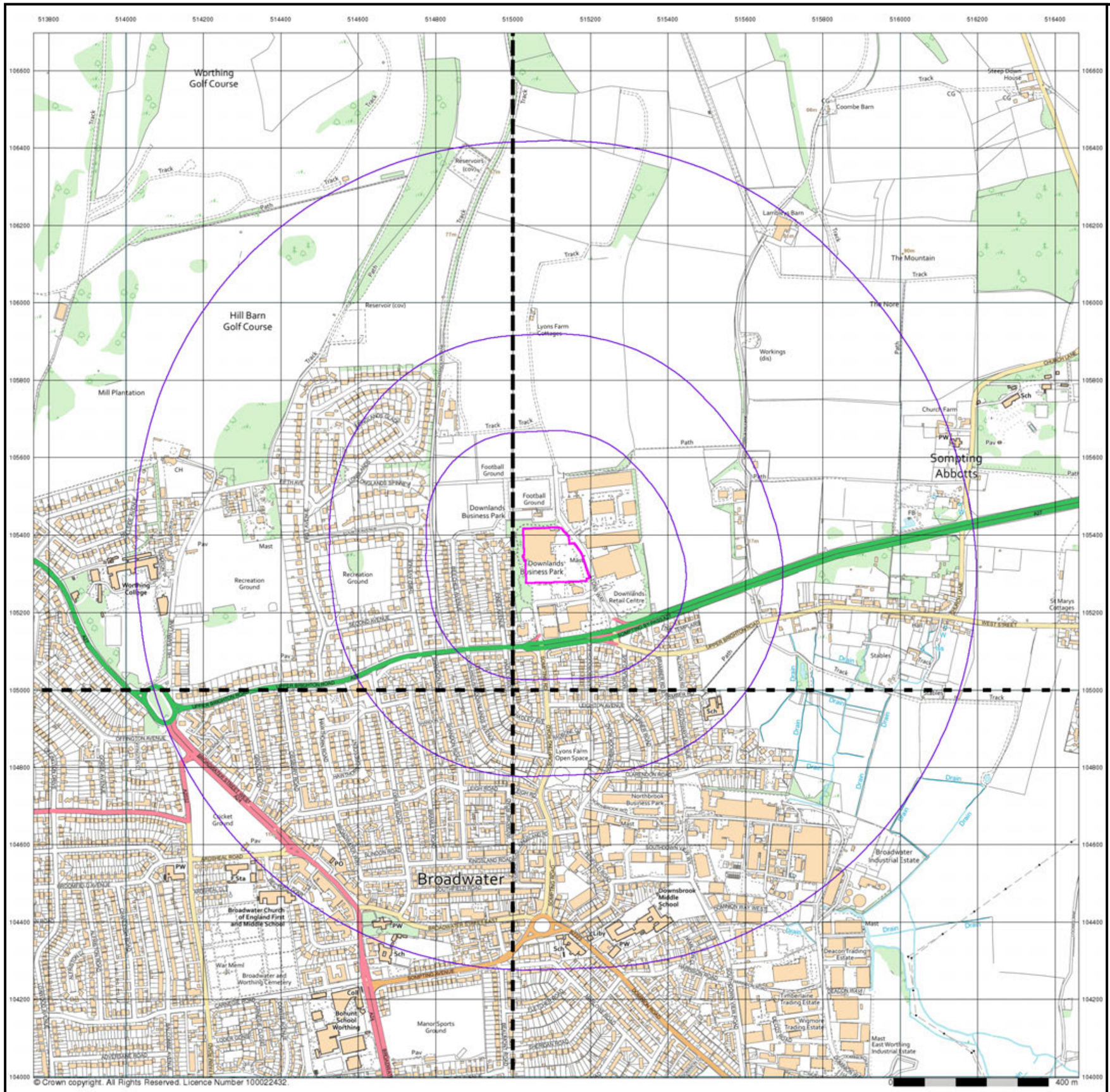

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## VectorMap Local

**Published 2022**

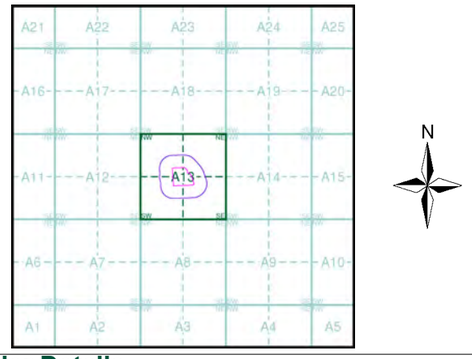
**Source map scale - 1:10,000**

VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities),1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and river estuary areas).

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

| | |
|---|---|
| TQ10NW 2022 Variable | TQ10NE 2022 Variable |
| TQ10SW 2022 Variable | TQ10SE 2022 Variable |

## Historical Map - Slice A




## Order Details

| | |
|---|---|
| Order Number: | 309737039_1_1 |
| Customer Ref: | 2303011 - Lyons Farm, Worthing |
| National Grid Reference: | 515100, 105340 |
| Slice: | A |
| Site Area (Ha): | 1.96 |
| Search Buffer (m): | 1000 |

## Site Details

Sainsburys Supermarkets Ltd, Downland Business Park, Lyons Way, WORTHING, BN14 9LA

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

Appendix C

Envirocheck®

# Envirocheck® Report:

# Datasheet

## Order Details:

**Order Number:**
309737039_1_1

**Customer Reference:**
2303011 - Lyons Farm, Worthing

**National Grid Reference:**
515100, 105340

**Slice:**
A

**Site Area (Ha):**
1.96

**Search Buffer (m):**
1000

## Site Details:

Sainsburys Supermarkets Ltd
Downland Business Park
Lyons Way
WORTHING
BN14 9LA

## Client Details:

Mr T .
Tweedie Evans Consulting Ltd
The Old Chapel
35a Southover
Wells
Somerset
BA5 1UH

## Prepared For:

Wells
BA5 1UH

# Contents


| Report Section | Page Number |
|---|---|
| Summary | - |
| Agency & Hydrological | 1 |
| Waste | 33 |
| Hazardous Substances | - |
| Geological | 35 |
| Industrial Land Use | 39 |
| Sensitive Land Use | 56 |
| Data Currency | 57 |
| Data Suppliers | 63 |
| Useful Contacts | 64 |


**Introduction**

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination.
For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.
In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.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**Report Version v53.0**

# Summary

| Data Type | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|---|---|---|---|---|---|
| **Agency & Hydrological** | | | | | |
| BGS Groundwater Flooding Susceptibility | pg 1 | Yes | Yes | Yes | n/a |
| Contaminated Land Register Entries and Notices | | | | | |
| Discharge Consents | pg 2 | | 1 | 2 | 9 |
| Prosecutions Relating to Controlled Waters | | | n/a | n/a | n/a |
| Enforcement and Prohibition Notices | pg 4 | | | | 1 |
| Integrated Pollution Controls | pg 5 | | | | 29 |
| Integrated Pollution Prevention And Control | pg 10 | | | | 8 |
| Local Authority Integrated Pollution Prevention And Control | | | | | |
| Local Authority Pollution Prevention and Controls | pg 17 | | 2 | | 7 |
| Local Authority Pollution Prevention and Control Enforcements | | | | | |
| Nearest Surface Water Feature | pg 18 | | | | Yes |
| Pollution Incidents to Controlled Waters | pg 18 | | | 1 | 7 |
| Prosecutions Relating to Authorised Processes | | | | | |
| Registered Radioactive Substances | pg 20 | | | | 5 |
| River Quality | | | | | |
| River Quality Biology Sampling Points | | | | | |
| River Quality Chemistry Sampling Points | | | | | |
| Substantiated Pollution Incident Register | | | | | |
| Water Abstractions | pg 21 | | | | 15 (*6) |
| Water Industry Act Referrals | | | | | |
| Groundwater Vulnerability Map | pg 26 | Yes | n/a | n/a | n/a |
| Groundwater Vulnerability - Soluble Rock Risk | pg 26 | 1 | n/a | n/a | n/a |
| Groundwater Vulnerability - Local Information | | | n/a | n/a | n/a |
| Bedrock Aquifer Designations | pg 26 | Yes | n/a | n/a | n/a |
| Superficial Aquifer Designations | pg 26 | Yes | n/a | n/a | n/a |
| Source Protection Zones | pg 26 | 3 | | | |
| 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 |
| OS Water Network Lines | pg 27 | | | | 46 |

# Summary

| Data Type | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|---|---|---|---|---|---|
| **Waste** | | | | | |
| BGS Recorded Landfill Sites | | | | | |
| Historical Landfill Sites | pg 33 | | | | 1 |
| Integrated Pollution Control Registered Waste Sites | | | | | |
| Licensed Waste Management Facilities (Landfill Boundaries) | | | | | |
| Licensed Waste Management Facilities (Locations) | | | | | |
| Local Authority Landfill Coverage | | 2 | n/a | n/a | n/a |
| Local Authority Recorded Landfill Sites | | | | | |
| Potentially Infilled Land (Non-Water) | pg 33 | | 1 | 2 | 1 |
| Potentially Infilled Land (Water) | pg 33 | | | 1 | 18 |
| Registered Landfill Sites | | | | | |
| Registered Waste Transfer Sites | pg 34 | | | | 1 |
| Registered Waste Treatment or Disposal Sites | | | | | |
| **Hazardous Substances** | | | | | |
| Control of Major Accident Hazards Sites (COMAH) | | | | | |
| Explosive Sites | | | | | |
| Notification of Installations Handling Hazardous Substances (NIHHS) | | | | | |
| Planning Hazardous Substance Consents | | | | | |
| Planning Hazardous Substance Enforcements | | | | | |

# Summary

| Data Type | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|---|---|---|---|---|---|
| **Geological** | | | | | |
| BGS 1:625,000 Solid Geology | pg 35 | Yes | n/a | n/a | n/a |
| BGS Estimated Soil Chemistry | pg 35 | Yes | | | |
| BGS Recorded Mineral Sites | pg 35 | | 2 | 2 | 5 |
| BGS Urban Soil Chemistry | | | | | |
| BGS Urban Soil Chemistry Averages | | | | | |
| CBSCB Compensation District | | | n/a | n/a | n/a |
| Coal Mining Affected Areas | | | n/a | n/a | n/a |
| Mining Instability | | | n/a | n/a | n/a |
| Man-Made Mining Cavities | | | | | |
| Natural Cavities | | | | | |
| Non Coal Mining Areas of Great Britain | pg 36 | Yes | Yes | n/a | n/a |
| Potential for Collapsible Ground Stability Hazards | pg 37 | Yes | Yes | n/a | n/a |
| Potential for Compressible Ground Stability Hazards | | | | n/a | n/a |
| Potential for Ground Dissolution Stability Hazards | pg 37 | Yes | Yes | n/a | n/a |
| Potential for Landslide Ground Stability Hazards | pg 37 | Yes | Yes | n/a | n/a |
| Potential for Running Sand Ground Stability Hazards | pg 37 | Yes | Yes | n/a | n/a |
| Potential for Shrinking or Swelling Clay Ground Stability Hazards | pg 37 | Yes | Yes | n/a | n/a |
| Radon Potential - Radon Affected Areas | pg 38 | Yes | n/a | n/a | n/a |
| Radon Potential - Radon Protection Measures | pg 38 | Yes | n/a | n/a | n/a |
| **Industrial Land Use** | | | | | |
| Contemporary Trade Directory Entries | pg 39 | 1 | 12 | 6 | 89 |
| Fuel Station Entries | pg 48 | | 2 | | 2 |
| Points of Interest - Commercial Services | pg 49 | | 10 | 4 | 31 |
| Points of Interest - Education and Health | | | | | |
| Points of Interest - Manufacturing and Production | pg 53 | | 2 | 1 | 10 |
| Points of Interest - Public Infrastructure | pg 54 | | 2 | 2 | 7 |
| Points of Interest - Recreational and Environmental | pg 55 | | | 2 | 1 |
| Gas Pipelines | | | | | |
| Underground Electrical Cables | | | | | |

# Summary

| Data Type | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|---|---|---|---|---|---|
| **Sensitive Land Use** | | | | | |
| Ancient Woodland | | | | | |
| Areas of Adopted Green Belt | | | | | |
| Areas of Unadopted Green Belt | | | | | |
| Areas of Outstanding Natural Beauty | | | | | |
| Environmentally Sensitive Areas | pg 56 | | 1 | | |
| Forest Parks | | | | | |
| Local Nature Reserves | | | | | |
| Marine Nature Reserves | | | | | |
| National Nature Reserves | | | | | |
| National Parks | pg 56 | | 1 | | |
| Nitrate Sensitive Areas | | | | | |
| Nitrate Vulnerable Zones | pg 56 | 1 | | | |
| Ramsar Sites | | | | | |
| Sites of Special Scientific Interest | | | | | |
| Special Areas of Conservation | | | | | |
| Special Protection Areas | | | | | |
| World Heritage Sites | | | | | |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A13SW (E) | 0 | 1 | 515100 105340 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A13SW (W) | 26 | 1 | 515000 105340 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A13SW (SW) | 27 | 1 | 515050 105250 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A13SW (SW) | 88 | 1 | 514950 105250 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13SW (S) | 127 | 1 | 515050 105150 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13SW (S) | 227 | 1 | 515050 105050 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13SW (SW) | 242 | 1 | 514950 105050 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A8NW (S) | 277 | 1 | 515100 105000 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13SE (SE) | 278 | 1 | 515350 105050 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A8NW (S) | 279 | 1 | 515000 105000 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A8NW (SW) | 289 | 1 | 514950 105000 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13SW (SW) | 292 | 1 | 514850 105050 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A8NW (SW) | 307 | 1 | 514900 105000 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A8NW (S) | 327 | 1 | 515100 104950 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A8NW (S) | 427 | 1 | 515100 104850 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | A14SW (E) | 427 | 1 | 515600 105150 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A8NW (S) | 428 | 1 | 515000 104850 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A7NE (SW) | 433 | 1 | 514750 104950 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 1 | **Discharge Consents**<br>Operator: Mr J King<br>Property Type: Undefined Or Other<br>Location: Building No.2, North Of Beeches Avenue, Worthing, West Sussex<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Not Supplied<br>Reference: P00643<br>Permit Version: 1<br>Effective Date: 15th September 1986<br>Issued Date: 15th September 1986<br>Revocation Date: 1st July 1991<br>Discharge Type: Unknown<br>Discharge Environment: Land/Soakaway<br>Receiving Water: Into Land<br>**Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989**<br>Positional Accuracy: Located by supplier to within 10m | A13NW (W) | 87 | 2 | 514940 105390 |
| 2 | **Discharge Consents**<br>Operator: Sompting Estate Trustees.<br>Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES)<br>Location: 3 Bungalows, Upton Park,, Sompting Estate, Lambley'S Lane,, Sompting, Lancing,, Sussex.<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Not Given<br>Reference: N03195<br>Permit Version: 1<br>Effective Date: 8th May 1979<br>Issued Date: 8th May 1979<br>Revocation Date: 31st March 1997<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge Environment: Land/Soakaway<br>Receiving Water: Into Land<br>**Status: Lapsed (under Environment Act 1995, Schedule 23)**<br>Positional Accuracy: Located by supplier to within 100m | A14SW (E) | 374 | 2 | 515570 105320 |
| 2 | **Discharge Consents**<br>Operator: M.Tristram Esq., Mrs R.Macmahon &<br>Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE)<br>Location: 1 & 2 Lambleys Lane, Sompting West Sussex<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Not Given<br>Reference: P00752<br>Permit Version: 1<br>Effective Date: 20th November 1986<br>Issued Date: 20th November 1986<br>Revocation Date: 31st March 1997<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge Environment: Land/Soakaway<br>Receiving Water: Into Land<br>**Status: Lapsed (under Environment Act 1995, Schedule 23)**<br>Positional Accuracy: Located by supplier to within 100m | A14SW (E) | 385 | 2 | 515580 105330 |
| 3 | **Discharge Consents**<br>Operator: Smithkline Beecham Plc<br>Property Type: MAKING OF BASIC PHARMACEUTICAL PRODUCTS + PREPS<br>Location: Clarendon Road, Worthing, West Sussex<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Coastal Offshore<br>Reference: Au0392<br>Permit Version: 1<br>Effective Date: 1st January 1996<br>Issued Date: 21st December 1995<br>Revocation Date: 13th November 2006<br>Discharge Type: Trade Discharge - Process Water<br>Discharge Environment: Controlled Sea<br>Receiving Water: English Channel<br>**Status: Authorisation revoked**<br>Positional Accuracy: Located by supplier to within 10m | A9NW (SE) | 773 | 2 | 515710 104710 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 3 | **Discharge Consents**<br>Operator: Smithkline Beecham Pharm. Plc<br>Property Type: MAKING OF BASIC PHARMACEUTICAL PRODUCTS + PREPS<br>Location: Clarendon Road, Worthing, West Sussex<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Not Supplied<br>Reference: S01633<br>Permit Version: 1<br>Effective Date: 16th August 1967<br>Issued Date: 16th August 1967<br>Revocation Date: 21st November 1997<br>Discharge Type: Discharge Of Other Matter-Surface Water<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: Freshwater River<br>**Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989**<br>Positional Accuracy: Located by supplier to within 10m | A9NW (SE) | 773 | 2 | 515710 104710 |
| 4 | **Discharge Consents**<br>Operator: Smithkline Beecham Pharm. Plc<br>Property Type: Undefined Or Other<br>Location: Clarenden Road, Worthing, West Sussex<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Old-unknown river<br>Reference: P01305<br>Permit Version: 2<br>Effective Date: 4th March 1994<br>Issued Date: 1st April 1991<br>Revocation Date: 29th November 1995<br>Discharge Type: Trade Discharge - Process Water<br>Discharge Environment: Coastal<br>Receiving Water: Coastal<br>**Status: Post National Rivers Authority Legislation where issue date > 31/08/1989**<br>Positional Accuracy: Manually corrected supplier location | A9SW (SE) | 796 | 2 | 515600 104600 |
| 4 | **Discharge Consents**<br>Operator: Smithkline Beecham Pharm. Plc<br>Property Type: Undefined Or Other<br>Location: Clarenden Road, Worthing, West Sussex<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Old-unknown river<br>Reference: P01305<br>Permit Version: 1<br>Effective Date: 1st April 1991<br>Issued Date: 1st April 1991<br>Revocation Date: 3rd March 1994<br>Discharge Type: Trade Discharge - Process Water<br>Discharge Environment: Coastal<br>Receiving Water: Coastal<br>**Status: Post National Rivers Authority Legislation where issue date > 31/08/1989**<br>Positional Accuracy: Manually corrected supplier location | A9SW (SE) | 796 | 2 | 515600 104600 |
| 5 | **Discharge Consents**<br>Operator: Smithkline Beecham Plc<br>Property Type: MAKING OF BASIC PHARMACEUTICAL PRODUCTS + PREPS<br>Location: Smithkline Beecham Pharmaceutica, Clarendon Road, Worthing, West Sussex<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Not Supplied<br>Reference: P07126<br>Permit Version: 1<br>Effective Date: 20th March 1998<br>Issued Date: 20th March 1998<br>Revocation Date: 1st August 2018<br>Discharge Type: Trade Effluent Discharge-Site Drainage<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: Unamed Trib Teville Stream<br>**Status: Surrendered under EPR 2010**<br>Positional Accuracy: Located by supplier to within 10m | A8SE (S) | 851 | 2 | 515180 104430 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
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| 6 | **Discharge Consents**<br>Operator: Smithkline Beecham Pharm. Plc<br>Property Type: Undefined Or Other<br>Location: Clarendon Road, Worthing West Sussex<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Not Given<br>Reference: S01889<br>Permit Version: 1<br>Effective Date: 30th January 1970<br>Issued Date: 30th January 1970<br>Revocation Date: 21st November 1997<br>Discharge Type: Discharge Of Other Matter-Surface Water<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: Freshwater River<br>**Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989**<br>Positional Accuracy: Located by supplier to within 100m | A9SW (SE) | 901 | 2 | 515700 104540 |
| 6 | **Discharge Consents**<br>Operator: Smithkline Beecham Pharm. Plc<br>Property Type: WHOLESALE TRADE (NOT MOTOR VEHICLES)<br>Location: Clarendon Road, Worthing, West Sussex<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Not Given<br>Reference: N01418<br>Permit Version: 1<br>Effective Date: 29th March 1974<br>Issued Date: 29th March 1974<br>Revocation Date: 21st November 1997<br>Discharge Type: Discharge Of Other Matter-Surface Water<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: Freshwater River<br>**Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)**<br>Positional Accuracy: Located by supplier to within 100m | A9SW (SE) | 903 | 2 | 515690 104530 |
| 6 | **Discharge Consents**<br>Operator: Smithkline Beecham Pharm<br>Property Type: Not Given<br>Location: WORTHING, West Sussex<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Not Given<br>Reference: 62/1/391<br>Permit Version: Not Supplied<br>Effective Date: Not Supplied<br>Issued Date: 16th August 1967<br>Revocation Date: Not Supplied<br>Discharge Type: Surface Water<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: Not Supplied<br>**Status: Not Supplied**<br>Positional Accuracy: Located by supplier to within 100m | A9SW (SE) | 905 | 2 | 515700 104535 |
| 6 | **Discharge Consents**<br>Operator: Smithkline Beecham Pharm. Plc<br>Property Type: WHOLESALE TRADE (NOT MOTOR VEHICLES)<br>Location: Clarendon Road, Worthing, West Sussex<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Not Given<br>Reference: N01418<br>Permit Version: 1<br>Effective Date: 29th March 1974<br>Issued Date: 29th March 1974<br>Revocation Date: 21st November 1997<br>Discharge Type: Discharge Of Other Matter-Surface Water<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: Freshwater River<br>**Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)**<br>Positional Accuracy: Located by supplier to within 100m | A9SW (SE) | 915 | 2 | 515710 104530 |
| 7 | **Enforcement and Prohibition Notices**<br>Location: Clarendon Road, Southdownview Way, WORTHING, West Sussex, BN14 8QH<br>Permit Reference: AK3340<br>Enforcement Date: 30th June 1995<br>Details: Press Release HM238, Release of ethylene glycol to Teville stream; under EPA90.<br>Positional Accuracy: Unknown | A9SW (SE) | 829 | 2 | 515662 104601 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 8 | **Integrated Pollution Controls**<br>Name: Glaxosmithkline Plc<br>Location: Smithkline Beecham Pharmaceuticals, WORTHING, West Sussex, BN14 8QH<br>Authority: Environment Agency, Southern Region<br>Permit Reference: Bx5239<br>Dated: 5th March 2004<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 4.1 A (A) Petrochemical processes within the Chemical Industry<br>**Status: Revoked - Now IPPC**<br>Positional Accuracy: Automatically positioned to the address | A9NW (SE) | 648 | 2 | 515496 104711 |
| 8 | **Integrated Pollution Controls**<br>Name: Glaxosmithkline Plc<br>Location: Southdownview Way, Worthing, West Sussex, BN14 8QH<br>Authority: Environment Agency, Southern Region<br>Permit Reference: Bv2182<br>Dated: 19th August 2003<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 4.1 A (A) Petrochemical processes within the Chemical Industry<br>**Status: Authorisation superseded by a substantial or non substantial variation**<br>Positional Accuracy: Automatically positioned to the address | A9NW (SE) | 648 | 2 | 515496 104711 |
| 8 | **Integrated Pollution Controls**<br>Name: Glaxosmithkline Plc<br>Location: Southdownview Way, Worthing, West Sussex, BN14 8QH<br>Authority: Environment Agency, Southern Region<br>Permit Reference: Bm5089<br>Dated: 21st November 2001<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 4.1 A (A) Petrochemical processes within the Chemical Industry<br>**Status: Authorisation superseded by a substantial or non substantial variation**<br>Positional Accuracy: Automatically positioned to the address | A9NW (SE) | 648 | 2 | 515496 104711 |
| 8 | **Integrated Pollution Controls**<br>Name: Glaxosmithkline Plc<br>Location: Southdownview Way, Worthing, West Sussex, BN14 8QH<br>Authority: Environment Agency, Southern Region<br>Permit Reference: Bk1082<br>Dated: 8th March 2001<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 4.1 A (A) Petrochemical processes within the Chemical Industry<br>**Status: Authorisation superseded by a substantial or non substantial variation**<br>Positional Accuracy: Automatically positioned to the address | A9NW (SE) | 648 | 2 | 515496 104711 |
| 9 | **Integrated Pollution Controls**<br>Name: Glaxosmithkline Plc<br>Location: Southdownview Way, Clarendon Road, WORTHING, West Sussex, BN14 8QH<br>Authority: Environment Agency, Southern Region<br>Permit Reference: AU0392<br>Dated: 21st December 1995<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 4.2 A (A) Manufacture and use of Organic Chemicals within the Chemical Industry<br>**Status: Authorisation superseded by a substantial or non substantial variation**<br>Positional Accuracy: Manually positioned to the address or location | A9SW (SE) | 825 | 2 | 515662 104606 |
| 9 | **Integrated Pollution Controls**<br>Name: Glaxosmithkline Plc<br>Location: Southdownview Way, Clarendon Road, WORTHING, West Sussex, BN14 8QH<br>Authority: Environment Agency, Southern Region<br>Permit Reference: AY1552<br>Dated: 23rd October 1997<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 4.2 A (A) Manufacture and use of Organic Chemicals within the Chemical Industry<br>**Status: Authorisation superseded by a substantial or non substantial variation**<br>Positional Accuracy: Manually positioned to the address or location | A9SW (SE) | 826 | 2 | 515672 104611 |
| 9 | **Integrated Pollution Controls**<br>Name: Glaxosmithkline Plc<br>Location: Southdownview Way, Clarendon Road, WORTHING, West Sussex, BN14 8QH<br>Authority: Environment Agency, Southern Region<br>Permit Reference: AK3358<br>Dated: 20th February 1994<br>Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation<br>Description: 4.2 A (A) Manufacture and use of Organic Chemicals within the Chemical Industry<br>**Status: Authorisation superseded by a substantial or non substantial variation**<br>Positional Accuracy: Manually positioned to the address or location | A9SW (SE) | 828 | 2 | 515667 104606 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 9 | **Integrated Pollution Controls**<br>Name: Glaxosmithkline Plc<br>Location: Southdownview Way, Clarendon Road, WORTHING, West Sussex, BN14 8QH<br>Authority: Environment Agency, Southern Region<br>Permit Reference: AK3340<br>Dated: 20th February 1994<br>Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation<br>Description: 4.2 A (A) Manufacture and use of Organic Chemicals within the Chemical Industry<br>**Status: Authorisation superseded by a substantial or non substantial variation**<br>Positional Accuracy: Manually positioned to the address or location | A9SW (SE) | 829 | 2 | 515677 104611 |
| 9 | **Integrated Pollution Controls**<br>Name: Glaxosmithkline Plc<br>Location: Southdownview Way, Clarendon Road, WORTHING, West Sussex, BN14 8QH<br>Authority: Environment Agency, Southern Region<br>Permit Reference: AK3366<br>Dated: 8th March 1994<br>Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation<br>Description: 4.2 A (A) Manufacture and use of Organic Chemicals within the Chemical Industry<br>**Status: Authorisation superseded by a substantial or non substantial variation**<br>Positional Accuracy: Manually positioned to the address or location | A9SW (SE) | 831 | 2 | 515672 104606 |
| 9 | **Integrated Pollution Controls**<br>Name: Glaxosmithkline Plc<br>Location: Clarendon Road, WORTHING, West Sussex, BN14 8QH<br>Authority: Environment Agency, Southern Region<br>Permit Reference: BD3612<br>Dated: 24th November 1998<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 4.2 A (A) Manufacture and use of Organic Chemicals within the Chemical Industry<br>**Status: Authorisation superseded by a substantial or non substantial variation**<br>Positional Accuracy: Manually positioned to the address or location | A9SW (SE) | 832 | 2 | 515667 104601 |
| 9 | **Integrated Pollution Controls**<br>Name: Smithkline Beecham Plc<br>Location: Southdownview Way, Clarendon Road, WORTHING, West Sussex, BN14 8QH<br>Authority: Environment Agency, Southern Region<br>Permit Reference: AR9559<br>Dated: 12th June 1995<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 4.2 A (A) Manufacture and use of Organic Chemicals within the Chemical Industry<br>**Status: Application has met the requirements for authorisation (but not yet authorised)**<br>Positional Accuracy: Manually positioned to the address or location | A9SW (SE) | 832 | 2 | 515682 104611 |
| 9 | **Integrated Pollution Controls**<br>Name: Glaxosmithkline Plc<br>Location: Clarendon Road, WORTHING, West Sussex, BN14 8QH<br>Authority: Environment Agency, Southern Region<br>Permit Reference: BD8819<br>Dated: 24th November 1998<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 4.2 A (A) Manufacture and use of Organic Chemicals within the Chemical Industry<br>**Status: Authorisation revoked**<br>Positional Accuracy: Manually positioned to the address or location | A9SW (SE) | 833 | 2 | 515662 104596 |
| 9 | **Integrated Pollution Controls**<br>Name: Glaxosmithkline Plc<br>Location: Southdownview Way, Clarendon Road, WORTHING, West Sussex, BN14 8QH<br>Authority: Environment Agency, Southern Region<br>Permit Reference: AK3374<br>Dated: 8th March 1994<br>Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation<br>Description: 4.2 A (A) Manufacture and use of Organic Chemicals within the Chemical Industry<br>**Status: Authorisation superseded by a substantial or non substantial variation**<br>Positional Accuracy: Manually positioned to the address or location | A9SW (SE) | 833 | 2 | 515677 104606 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 9 | **Integrated Pollution Controls**<br>Name: Glaxosmithkline Plc<br>Location: Southdownview Way, Clarendon Road, WORTHING, West Sussex, BN14 8QH<br>Authority: Environment Agency, Southern Region<br>Permit Reference: AU0899<br>Dated: 21st December 1995<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 4.2 A (A) Manufacture and use of Organic Chemicals within the Chemical Industry<br>**Status:** **Authorisation superseded by a substantial or non substantial variation**<br>Positional Accuracy: Manually positioned to the address or location | A9SW (SE) | 835 | 2 | 515672 104601 |
| 9 | **Integrated Pollution Controls**<br>Name: Glaxosmithkline Plc<br>Location: Southdownview Way, Clarendon Road, WORTHING, West Sussex, BN14 8QH<br>Authority: Environment Agency, Southern Region<br>Permit Reference: AU0902<br>Dated: 21st December 1995<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 4.2 A (A) Manufacture and use of Organic Chemicals within the Chemical Industry<br>**Status:** **Authorisation superseded by a substantial or non substantial variation**<br>Positional Accuracy: Manually positioned to the address or location | A9SW (SE) | 836 | 2 | 515667 104596 |
| 9 | **Integrated Pollution Controls**<br>Name: Glaxosmithkline Plc<br>Location: Southdownview Way, Clarendon Road, WORTHING, West Sussex, BN14 8QH<br>Authority: Environment Agency, Southern Region<br>Permit Reference: AU0872<br>Dated: 21st December 1995<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 4.2 A (A) Manufacture and use of Organic Chemicals within the Chemical Industry<br>**Status:** **Authorisation superseded by a substantial or non substantial variation**<br>Positional Accuracy: Manually positioned to the address or location | A9SW (SE) | 836 | 2 | 515682 104606 |
| 9 | **Integrated Pollution Controls**<br>Name: Glaxosmithkline Plc<br>Location: Clarendon Road, WORTHING, West Sussex, BN14 8QH<br>Authority: Environment Agency, Southern Region<br>Permit Reference: BD3604<br>Dated: 24th November 1998<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 4.2 A (A) Manufacture and use of Organic Chemicals within the Chemical Industry<br>**Status:** **Authorisation superseded by a substantial or non substantial variation**<br>Positional Accuracy: Manually positioned to the address or location | A9SW (SE) | 837 | 2 | 515662 104591 |
| 9 | **Integrated Pollution Controls**<br>Name: Glaxosmithkline Plc<br>Location: Southdownview Way, Clarendon Road, WORTHING, West Sussex, BN14 8QH<br>Authority: Environment Agency, Southern Region<br>Permit Reference: AN3133<br>Dated: 23rd June 1994<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 4.2 A (A) Manufacture and use of Organic Chemicals within the Chemical Industry<br>**Status:** **Authorisation superseded by a substantial or non substantial variation**<br>Positional Accuracy: Manually positioned to the address or location | A9SW (SE) | 839 | 2 | 515672 104596 |
| 9 | **Integrated Pollution Controls**<br>Name: Glaxosmithkline Plc<br>Location: Southdownview Way, Clarendon Road, WORTHING, West Sussex, BN14 8QH<br>Authority: Environment Agency, Southern Region<br>Permit Reference: AX0364<br>Dated: 21st February 1997<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 4.2 A (A) Manufacture and use of Organic Chemicals within the Chemical Industry<br>**Status:** **Authorisation superseded by a substantial or non substantial variation**<br>Positional Accuracy: Manually positioned to the address or location | A9SW (SE) | 840 | 2 | 515682 104601 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 9 | **Integrated Pollution Controls**<br>Name: Glaxosmithkline Plc<br>Location: Southdownview Way, Clarendon Road, WORTHING, West Sussex, BN14 8QH<br>Authority: Environment Agency, Southern Region<br>Permit Reference: AN8658<br>Dated: 12th August 1994<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 4.2 A (A) Manufacture and use of Organic Chemicals within the Chemical Industry<br>**Status: Authorisation superseded by a substantial or non substantial variation**<br>Positional Accuracy: Manually positioned to the address or location | A9SW (SE) | 841 | 2 | 515662 104586 |
| 9 | **Integrated Pollution Controls**<br>Name: Glaxosmithkline Plc<br>Location: Southdownview Way, Clarendon Road, WORTHING, West Sussex, BN14 8QH<br>Authority: Environment Agency, Southern Region<br>Permit Reference: AN8640<br>Dated: 12th August 1994<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 4.2 A (A) Manufacture and use of Organic Chemicals within the Chemical Industry<br>**Status: Authorisation superseded by a substantial or non substantial variation**<br>Positional Accuracy: Manually positioned to the address or location | A9SW (SE) | 842 | 2 | 515677 104596 |
| 9 | **Integrated Pollution Controls**<br>Name: Glaxosmithkline Plc<br>Location: Clarendon Road, WORTHING, West Sussex, BN14 8QH<br>Authority: Environment Agency, Southern Region<br>Permit Reference: BF5543<br>Dated: 8th March 1999<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 4.2 A (A) Manufacture and use of Organic Chemicals within the Chemical Industry<br>**Status: Revoked - Now IPPC**<br>Positional Accuracy: Manually positioned to the address or location | A9SW (SE) | 844 | 2 | 515667 104586 |
| 9 | **Integrated Pollution Controls**<br>Name: Glaxosmithkline Plc<br>Location: Southdownview Way, Clarendon Road, WORTHING, West Sussex, BN14 8QH<br>Authority: Environment Agency, Southern Region<br>Permit Reference: AV5845<br>Dated: 23rd October 1997<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 4.2 A (A) Manufacture and use of Organic Chemicals within the Chemical Industry<br>**Status: Authorisation superseded by a substantial or non substantial variation**<br>Positional Accuracy: Manually positioned to the address or location | A9SW (SE) | 844 | 2 | 515682 104596 |
| 9 | **Integrated Pollution Controls**<br>Name: Glaxosmithkline Plc<br>Location: Smithkline Beecham Pharmaceuticals, Clarendon Road, WORTHING, West Sussex, BN14 8QH<br>Authority: Environment Agency, Southern Region<br>Permit Reference: BD5879<br>Dated: 24th November 1998<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 4.2 A (A) Manufacture and use of Organic Chemicals within the Chemical Industry<br>**Status: Authorisation superseded by a substantial or non substantial variation**<br>Positional Accuracy: Manually positioned to the address or location | A9SW (SE) | 846 | 2 | 515677 104591 |
| 9 | **Integrated Pollution Controls**<br>Name: Glaxosmithkline Plc<br>Location: Clarendon Road, WORTHING, West Sussex, BN14 8QH<br>Authority: Environment Agency, Southern Region<br>Permit Reference: BF3389<br>Dated: 23rd February 1999<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 4.2 A (A) Manufacture and use of Organic Chemicals within the Chemical Industry<br>**Status: Authorisation revoked**<br>Positional Accuracy: Manually positioned to the address or location | A9SW (SE) | 847 | 2 | 515672 104586 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
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| 9 | **Integrated Pollution Controls**<br>Name: Smithkline Beecham Plc<br>Location: Southdownview Way, Clarendon Road, WORTHING, West Sussex, BN14 8QH<br>Authority: Environment Agency, Southern Region<br>Permit Reference: AY1579<br>Dated: 19th February 1997<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 4.2 A (A) Manufacture and use of Organic Chemicals within the Chemical Industry<br>**Status: Application has met the requirements for authorisation (but not yet authorised)**<br>Positional Accuracy: Manually positioned to the address or location | A9SW (SE) | 849 | 2 | 515682 104591 |
| 9 | **Integrated Pollution Controls**<br>Name: Smithkline Beecham Plc<br>Location: Clarendon Road, WORTHING, West Sussex, BN14 8QH<br>Authority: Environment Agency, Southern Region<br>Permit Reference: BF5578<br>Dated: 4th March 1999<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 4.2 A (A) Manufacture and use of Organic Chemicals within the Chemical Industry<br>**Status: Application has met the requirements for authorisation (but not yet authorised)**<br>Positional Accuracy: Manually positioned to the address or location | A9SW (SE) | 850 | 2 | 515677 104586 |
| 9 | **Integrated Pollution Controls**<br>Name: Smithkline Beecham Plc<br>Location: Clarendon Road, WORTHING, West Sussex, BN14 8QH<br>Authority: Environment Agency, Southern Region<br>Permit Reference: BF5519<br>Dated: 4th March 1999<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 4.2 A (A) Manufacture and use of Organic Chemicals within the Chemical Industry<br>**Status: Application has met the requirements for authorisation (but not yet authorised)**<br>Positional Accuracy: Manually positioned to the address or location | A9SW (SE) | 853 | 2 | 515682 104586 |
| 9 | **Integrated Pollution Controls**<br>Name: Glaxosmithkline Plc<br>Location: Southdownview Way, Clarendon Road, WORTHING, West Sussex, BN14 8QH<br>Authority: Environment Agency, Southern Region<br>Permit Reference: BC3943<br>Dated: 1st March 1999<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 4.2 A (A) Manufacture and use of Organic Chemicals within the Chemical Industry<br>**Status: Authorisation superseded by a substantial or non substantial variation**<br>Positional Accuracy: Manually positioned to the address or location | A9SW (SE) | 856 | 2 | 515687 104586 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 10 | **Integrated Pollution Prevention And Control**<br>Name: Smithkline Beecham Limited<br>Location: Worthing Pharmaceutical Manufacturing Facility - Epr/Qp3935le/, Worthing Pharmaceutical Manufacturing Facility, Worthing, West Sussex, BN14 8QH<br>Authority: Environment Agency - South East Region, Solent & South Downs Area<br>Permit Reference: JP3904PG<br>Original Permit Ref: Qp3935le<br>Effective Date: 12th November 2019<br>**Status: Effective**<br>Application Type: Variation<br>App. Sub Type: Minor<br>Positional Accuracy: Located by supplier to within 100m<br>Activity Code: 4.1 A(1) (A) (V)<br>Activity Description: Organic Chemicals; Phosphorus Containing Compounds Eg Substituted Phosphines<br>Primary Activity: N<br>Activity Code: 4.1 A(1) (A) (VI)<br>Activity Description: Organic Chemicals; Halogen Containg Compounds Eg Halocarbons<br>Primary Activity: N<br>Activity Code: 4.1 A(1) (A) (VII)<br>Activity Description: Organic Chemicals; Organometallic Compounds Eg Lead Alkyls<br>Primary Activity: N<br>Activity Code: 4.5 A(1) (A)<br>Activity Description: Pharmaceuticals; Producing Pharmaceuticals Using Chemical/Biological Processes<br>Primary Activity: Y<br>Activity Code: 4.1 A(1) (A) (II)<br>Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols<br>Primary Activity: N<br>Activity Code: 4.1 A(1) (A) (III)<br>Activity Description: Organic Chemicals; Sulphur Containing Compounds Eg Sulphides<br>Primary Activity: N<br>Activity Code: 4.1 A(1) (A) (IV)<br>Activity Description: Organic Chemicals; Nitrogen Containing Compounds Eg Amines<br>Primary Activity: N<br>Activity Code: 5.4 A(1) (a) (ii)<br>Activity Description: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT<br>Primary Activity: N<br>Activity Code: 0.0 Associated Process<br>Activity Description: Associated Process<br>Primary Activity: N<br>Activity Code: 7 B<br>Activity Description: Solvent Emissions Directive; Activities exceeding solvent threshold<br>Primary Activity: N | A8NE (SE) | 619 | 2 | 515400 104700 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 10 | **Integrated Pollution Prevention And Control**<br>Name: Smithkline Beecham Limited<br>Location: Gsk Pharmaceuticals Manufacturing Facility - Epr/Qp3935le, Gsk, Dominion Way,,, Worthing, West Sussex, BN14 8PB<br>Authority: Environment Agency - South East Region, Solent & South Downs Area<br>Permit Reference: HP3531AL<br>Original Permit Ref: Qp3935le<br>Effective Date: 11th May 2018<br>**Status: Superseded By Variation**<br>Application Type: Variation<br>App. Sub Type: Standard<br>Positional Accuracy: Located by supplier to within 100m<br>Activity Code: 0.0 Associated Process<br>Activity Description: Associated Process<br>Primary Activity: N<br>Activity Code: 5.4 A(1) (a) (ii)<br>Activity Description: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT<br>Primary Activity: N<br>Activity Code: 4.1 A(1) (A) (VII)<br>Activity Description: Organic Chemicals; Organometallic Compounds Eg Lead Alkyls<br>Primary Activity: N<br>Activity Code: 4.1 A(1) (A) (II)<br>Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols<br>Primary Activity: N<br>Activity Code: 4.1 A(1) (A) (VI)<br>Activity Description: Organic Chemicals; Halogen Containg Compounds Eg Halocarbons<br>Primary Activity: N<br>Activity Code: 4.1 A(1) (A) (III)<br>Activity Description: Organic Chemicals; Sulphur Containing Compounds Eg Sulphides<br>Primary Activity: N<br>Activity Code: 4.1 A(1) (A) (V)<br>Activity Description: Organic Chemicals; Phosphorus Containing Compounds Eg Substituted Phosphines<br>Primary Activity: N<br>Activity Code: 4.1 A(1) (A) (IV)<br>Activity Description: Organic Chemicals; Nitrogen Containing Compounds Eg Amines<br>Primary Activity: N<br>Activity Code: 4.5 A(1) (A)<br>Activity Description: Pharmaceuticals; Producing Pharmaceuticals Using Chemical/Biological Processes<br>Primary Activity: Y | A8NE (SE) | 619 | 2 | 515400 104700 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 10 | **Integrated Pollution Prevention And Control**<br>Name: Smithkline Beecham Plc<br>Location: Worthing Pharmaceutical Manufacturing Facility, Glaxosmithkline, Worthing, West Sussex, BN14 8QH<br>Authority: Environment Agency - South East Region, Solent & South Downs Area<br>Permit Reference: UP3034NB<br>Original Permit Ref: Qp3935le<br>Effective Date: 29th May 2013<br>**Status: Superseded By Variation**<br>Application Type: Variation<br>App. Sub Type: Standard<br>Positional Accuracy: Located by supplier to within 100m<br>Activity Code: 4.1 A(1) (A) (VI)<br>Activity Description: Organic Chemicals; Halogen Containg Compounds Eg Halocarbons<br>Primary Activity: N<br>Activity Code: 4.5 A(1) (A)<br>Activity Description: Pharmaceuticals; Producing Pharmaceuticals Using Chemical/Biological Processes<br>Primary Activity: Y<br>Activity Code: 5.4 A(1) (a) (ii)<br>Activity Description: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT<br>Primary Activity: N<br>Activity Code: 0.0 Associated Process<br>Activity Description: Associated Process<br>Primary Activity: N<br>Activity Code: 4.1 A(1) (A) (VII)<br>Activity Description: Organic Chemicals; Organometallic Compounds Eg Lead Alkyls<br>Primary Activity: N<br>Activity Code: 4.1 A(1) (A) (III)<br>Activity Description: Organic Chemicals; Sulphur Containing Compounds Eg Sulphides<br>Primary Activity: N<br>Activity Code: 4.1 A(1) (A) (II)<br>Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols<br>Primary Activity: N<br>Activity Code: 4.1 A(1) (A) (IV)<br>Activity Description: Organic Chemicals; Nitrogen Containing Compounds Eg Amines<br>Primary Activity: N<br>Activity Code: 4.1 A(1) (A) (V)<br>Activity Description: Organic Chemicals; Phosphorus Containing Compounds Eg Substituted Phosphines<br>Primary Activity: N | A8NE (SE) | 619 | 2 | 515400 104700 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 10 | **Integrated Pollution Prevention And Control**<br>Name: Smithkline Beecham Plc<br>Location: Worthing Pharmaceutical Manufacturing Facility, Glaxosmithkline, Worthing, West Sussex, BN14 8QH<br>Authority: Environment Agency - South East Region, Solent & South Downs Area<br>Permit Reference: DP3133GB<br>Original Permit Ref: Qp3935le<br>Effective Date: 11th August 2008<br>**Status: Superseded By Variation**<br>Application Type: Variation<br>App. Sub Type: Simple Standard Variation<br>Positional Accuracy: Located by supplier to within 100m<br>Activity Code: 4.1 A(1) (A) (VI)<br>Activity Description: Organic Chemicals; Halogen Containg Compounds Eg Halocarbons<br>Primary Activity: N<br>Activity Code: 4.1 A(1) (A) (VII)<br>Activity Description: Organic Chemicals; Organometallic Compounds Eg Lead Alkyls<br>Primary Activity: N<br>Activity Code: 4.1 A(1) (A) (IV)<br>Activity Description: Organic Chemicals; Nitrogen Containing Compounds Eg Amines<br>Primary Activity: N<br>Activity Code: 4.1 A(1) (A) (III)<br>Activity Description: Organic Chemicals; Sulphur Containing Compounds Eg Sulphides<br>Primary Activity: N<br>Activity Code: 4.1 A(1) (A) (V)<br>Activity Description: Organic Chemicals; Phosphorus Containing Compounds Eg Substituted Phosphines<br>Primary Activity: N<br>Activity Code: 4.1 A(1) (A) (II)<br>Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols<br>Primary Activity: N<br>Activity Code: 5.3 A(1) (C) (II)<br>Activity Description: Other Waste Disposal; Non-Hazardous Waste >50T/D By Physico-Chemical Treatment<br>Primary Activity: N<br>Activity Code: 4.5 A(1) (A)<br>Activity Description: Pharmaceuticals; Producing Pharmaceuticals Using Chemical/Biological Processes<br>Primary Activity: Y<br>Activity Code: 0.0 Associated Process<br>Activity Description: Associated Process<br>Primary Activity: N<br>Activity Code: 5.4 A(1) (A)<br>Activity Description: Recovery Of Waste; By Distillation Of Oil/Organic Solvent<br>Primary Activity: N | A8NE (SE) | 619 | 2 | 515400 104700 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
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| 11 | **Integrated Pollution Prevention And Control**<br>Name: Smithkline Beecham Plc<br>Location: Worthing Pharmaceutical Manufacturing Facility, Glaxosmithkline, Worthing, West Sussex, BN14 8QH<br>Authority: Environment Agency, Southern Region<br>Permit Reference: QP3935LE<br>Original Permit Ref: Qp3935le<br>Effective Date: 15th November 2006<br>**Status: Superseded By Variation**<br>Application Type: Application<br>App. Sub Type: New<br>Positional Accuracy: Manually positioned to the address or location<br>Activity Code: 4.1 A(1) (A) (VI)<br>Activity Description: Organic Chemicals; Halogen Containg Compounds Eg Halocarbons<br>Primary Activity: N<br>Activity Code: 4.1 A(1) (A) (V)<br>Activity Description: Organic Chemicals; Phosphorus Containing Compounds Eg Substituted Phosphines<br>Primary Activity: N<br>Activity Code: 4.5 A(1) (A)<br>Activity Description: Pharmaceuticals; Producing Pharmaceuticals Using Chemical/Biological Processes<br>Primary Activity: Y<br>Activity Code: 4.1 A(1) (A) (IV)<br>Activity Description: Organic Chemicals; Nitrogen Containing Compounds Eg Amines<br>Primary Activity: N<br>Activity Code: 5.3 A(1) (C) (II)<br>Activity Description: Other Waste Disposal; Non-Hazardous Waste >50T/D By Physico-Chemical Treatment<br>Primary Activity: N<br>Activity Code: 5.4 A(1) (A)<br>Activity Description: Recovery Of Waste; By Distillation Of Oil/Organic Solvent<br>Primary Activity: N<br>Activity Code: 0.0 Associated Process<br>Activity Description: Associated Process<br>Primary Activity: N<br>Activity Code: 4.1 A(1) (A) (VII)<br>Activity Description: Organic Chemicals; Organometallic Compounds Eg Lead Alkyls<br>Primary Activity: N<br>Activity Code: 4.1 A(1) (A) (III)<br>Activity Description: Organic Chemicals; Sulphur Containing Compounds Eg Sulphides<br>Primary Activity: N<br>Activity Code: 4.1 A(1) (A) (II)<br>Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols<br>Primary Activity: N | A9NW (SE) | 648 | 2 | 515496 104711 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 12 | **Integrated Pollution Prevention And Control**<br>Name: Smithkline Beecham Plc<br>Location: Worthing Pharmaceutical Manufacturing Facility, Glaxosmithkline, Worthing, West Sussex, BN14 8QH<br>Authority: Environment Agency, Southern Region<br>Permit Reference: DP3133GB<br>Original Permit Ref: Qp3935le<br>Effective Date: 11th August 2008<br>**Status: Effective**<br>Application Type: Variation<br>App. Sub Type: Simple Standard Variation<br>Positional Accuracy: Manually positioned within the geographical locality<br>Activity Code: 4.1 A(1) (A) (III)<br>Activity Description: Organic Chemicals; Sulphur Containing Compounds Eg Sulphides<br>Primary Activity: N<br>Activity Code: 4.1 A(1) (A) (IV)<br>Activity Description: Organic Chemicals; Nitrogen Containing Compounds Eg Amines<br>Primary Activity: N<br>Activity Code: 4.1 A(1) (A) (VI)<br>Activity Description: Organic Chemicals; Halogen Containg Compounds Eg Halocarbons<br>Primary Activity: N<br>Activity Code: 5.4 A(1) (A)<br>Activity Description: Recovery Of Waste; By Distillation Of Oil/Organic Solvent<br>Primary Activity: N<br>Activity Code: 0.0 Associated Process<br>Activity Description: Associated Process<br>Primary Activity: N<br>Activity Code: 4.1 A(1) (A) (II)<br>Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols<br>Primary Activity: N<br>Activity Code: 4.1 A(1) (A) (VII)<br>Activity Description: Organic Chemicals; Organometallic Compounds Eg Lead Alkyls<br>Primary Activity: N<br>Activity Code: 4.1 A(1) (A) (V)<br>Activity Description: Organic Chemicals; Phosphorus Containing Compounds Eg Substituted Phosphines<br>Primary Activity: N<br>Activity Code: 5.3 A(1) (C) (II)<br>Activity Description: Other Waste Disposal; Non-Hazardous Waste >50T/D By Physico-Chemical Treatment<br>Primary Activity: N<br>Activity Code: 4.5 A(1) (A)<br>Activity Description: Pharmaceuticals; Producing Pharmaceuticals Using Chemical/Biological Processes<br>Primary Activity: Y | A9SW (SE) | 818 | 2 | 515628 104591 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 12 | **Integrated Pollution Prevention And Control**<br>Name: Smithkline Beecham Plc<br>Location: Worthing Pharmaceutical Manufacturing Facility, Glaxosmithkline, WORTHING, West Sussex, BN14 8QH<br>Authority: Environment Agency - South East Region, Solent & South Downs Area<br>Permit Reference: LP3636UE<br>Original Permit Ref: Qp3935le<br>Effective Date: 24th August 2007<br>**Status: Superseded By Variation**<br>Application Type: Variation<br>App. Sub Type: Minor<br>Positional Accuracy: Located by supplier to within 100m<br>Activity Code: 4.5 A(1) (A)<br>Activity Description: Pharmaceuticals; Producing Pharmaceuticals Using Chemical/Biological Processes<br>Primary Activity: Y<br>Activity Code: 5.4 A(1) (A)<br>Activity Description: Recovery Of Waste; By Distillation Of Oil/Organic Solvent<br>Primary Activity: N<br>Activity Code: 5.3 A(1) (C) (II)<br>Activity Description: Other Waste Disposal; Non-Hazardous Waste >50T/D By Physico-Chemical Treatment<br>Primary Activity: N<br>Activity Code: 0.0 Associated Process<br>Activity Description: Associated Process<br>Primary Activity: N<br>Activity Code: 4.1 A(1) (A) (V)<br>Activity Description: Organic Chemicals; Phosphorus Containing Compounds Eg Substituted Phosphines<br>Primary Activity: N<br>Activity Code: 4.1 A(1) (A) (III)<br>Activity Description: Organic Chemicals; Sulphur Containing Compounds Eg Sulphides<br>Primary Activity: N<br>Activity Code: 4.1 A(1) (A) (II)<br>Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols<br>Primary Activity: N<br>Activity Code: 4.1 A(1) (A) (VI)<br>Activity Description: Organic Chemicals; Halogen Containg Compounds Eg Halocarbons<br>Primary Activity: N<br>Activity Code: 4.1 A(1) (A) (VII)<br>Activity Description: Organic Chemicals; Organometallic Compounds Eg Lead Alkyls<br>Primary Activity: N<br>Activity Code: 4.1 A(1) (A) (IV)<br>Activity Description: Organic Chemicals; Nitrogen Containing Compounds Eg Amines<br>Primary Activity: N | A9SW (SE) | 823 | 2 | 515650 104600 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 12 | **Integrated Pollution Prevention And Control**<br>Name: Smithkline Beecham Plc<br>Location: Worthing Pharmaceutical Manufacturing Facility, Glaxosmithkline, WORTHING, West Sussex, BN14 8QH<br>Authority: Environment Agency - South East Region, Solent & South Downs Area<br>Permit Reference: QP3935LE<br>Original Permit Ref: Qp3935le<br>Effective Date: 15th November 2006<br>**Status:** **Superseded By Variation**<br>Application Type: Application<br>App. Sub Type: New<br>Positional Accuracy: Located by supplier to within 100m<br>Activity Code: 4.1 A(1) (A) (V)<br>Activity Description: Organic Chemicals; Phosphorus Containing Compounds Eg Substituted Phosphines<br>Primary Activity: N<br>Activity Code: 4.1 A(1) (A) (VI)<br>Activity Description: Organic Chemicals; Halogen Containg Compounds Eg Halocarbons<br>Primary Activity: N<br>Activity Code: 4.1 A(1) (A) (II)<br>Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols<br>Primary Activity: N<br>Activity Code: 4.1 A(1) (A) (III)<br>Activity Description: Organic Chemicals; Sulphur Containing Compounds Eg Sulphides<br>Primary Activity: N<br>Activity Code: 4.1 A(1) (A) (IV)<br>Activity Description: Organic Chemicals; Nitrogen Containing Compounds Eg Amines<br>Primary Activity: N<br>Activity Code: 4.5 A(1) (A)<br>Activity Description: Pharmaceuticals; Producing Pharmaceuticals Using Chemical/Biological Processes<br>Primary Activity: Y<br>Activity Code: 5.4 A(1) (A)<br>Activity Description: Recovery Of Waste; By Distillation Of Oil/Organic Solvent<br>Primary Activity: N<br>Activity Code: 5.3 A(1) (C) (II)<br>Activity Description: Other Waste Disposal; Non-Hazardous Waste >50T/D By Physico-Chemical Treatment<br>Primary Activity: N<br>Activity Code: 4.1 A(1) (A) (VII)<br>Activity Description: Organic Chemicals; Organometallic Compounds Eg Lead Alkyls<br>Primary Activity: N<br>Activity Code: 0.0 Associated Process<br>Activity Description: Associated Process<br>Primary Activity: N | A9SW (SE) | 823 | 2 | 515650 104600 |
| 13 | **Local Authority Pollution Prevention and Controls**<br>Name: Sainsbury'S Petrol Filling Station<br>Location: Lyons Farm, Lyons Way, Downlands Business Park, WORTHING, West Sussex, BN14 9LA<br>Authority: Worthing Borough Council, Environmental Health Department<br>Permit Reference: LAPPC/10/PS12<br>Dated: 16th March 1999<br>Process Type: Local Authority Pollution Prevention and Control<br>Description: PG1/14 Petrol filling station<br>**Status:** **Permitted**<br>Positional Accuracy: Manually positioned to the address or location | A13SE (SE) | 19 | 3 | 515176 105262 |
| 14 | **Local Authority Pollution Prevention and Controls**<br>Name: Downlands Service StationEsso<br>Location: 123 Upper Brighton Road, Broadwater, WORTHING, West Sussex, BN14 9JN<br>Authority: Worthing Borough Council, Environmental Health Department<br>Permit Reference: Pp99/06<br>Dated: 16th March 1999<br>Process Type: Local Authority Air Pollution Control<br>Description: PG1/14 Petrol filling station<br>**Status:** **Authorisation revoked**<br>Positional Accuracy: Automatically positioned to the address | A13SW (S) | 111 | 3 | 515098 105168 |
| 15 | **Local Authority Pollution Prevention and Controls**<br>Name: Smith Kline Beecham Ltd<br>Location: Clarendon Road, WORTHING, West Sussex, BN14 8QH<br>Authority: Adur District Council, Environmental Health Department<br>Permit Reference: 18/95<br>Dated: 1st January 1994<br>Process Type: Local Authority Air Pollution Control<br>Description: Part B - General Chemical Process (No Specific Reference)<br>**Status:** **Authorised**<br>Positional Accuracy: Manually positioned to the address or location | A9SW (SE) | 738 | 4 | 515576 104653 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 15 | **Local Authority Pollution Prevention and Controls**<br>Name: Smithkline Beecham Pharmaceuticals<br>Location: Clarendon Road, WORTHING, East Sussex, BN14 8QH<br>Authority: Worthing Borough Council, Environmental Health Department<br>Permit Reference: Pp2/94<br>Dated: 8th November 1994<br>Process Type: Local Authority Air Pollution Control<br>Description: PG6/23 Coating of metal and plastic<br>**Status: Authorisation revoked**<br>Positional Accuracy: Manually positioned to the address or location | A9SW (SE) | 756 | 3 | 515610 104654 |
| 16 | **Local Authority Pollution Prevention and Controls**<br>Name: Smithkline Beecham Pharmaceuticals<br>Location: Clarendon Road, WORTHING, BN11 2RU<br>Authority: Worthing Borough Council, Environmental Health Department<br>Permit Reference: Pp3/94<br>Dated: 1st January 1994<br>Process Type: Local Authority Air Pollution Control<br>Description: PG6/10 Coating manufacturing<br>**Status: Authorisation revoked**<br>Positional Accuracy: Manually positioned to the address or location | A9SW (SE) | 835 | 3 | 515672 104601 |
| 16 | **Local Authority Pollution Prevention and Controls**<br>Name: Powergen / Glaxosmithkline<br>Location: Clarendon Road, WORTHING, West Sussex, BN14 8<br>Authority: Worthing Borough Council, Environmental Health Department<br>Permit Reference: Pp3/93/V1<br>Dated: 22nd March 1993<br>Process Type: Local Authority Air Pollution Control<br>Description: PG1/4 Gas turbines, 20-50 MW net rated thermal input<br>**Status: Authorisation revoked**<br>Positional Accuracy: Manually positioned to the address or location | A9SW (SE) | 851 | 3 | 515687 104591 |
| 17 | **Local Authority Pollution Prevention and Controls**<br>Name: Murco Petroleum Ltd<br>Location: 68 Sompting Avenue, Durrington On Sea, Worthing, West Sussex, BN14 8HP<br>Authority: Worthing Borough Council, Environmental Health Department<br>Permit Reference: LAPPC/06/PS08<br>Dated: 16th March 1999<br>Process Type: Local Authority Pollution Prevention and Control<br>Description: PG1/14 Petrol filling station<br>**Status: Permitted**<br>Positional Accuracy: Located by supplier to within 10m | A8SW (S) | 912 | 3 | 515003 104365 |
| 17 | **Local Authority Pollution Prevention and Controls**<br>Name: Murco Petroleum Ltd<br>Location: 68 Sompting Avenue, Broadwater, WORTHING, West Sussex, BN14 8HP<br>Authority: Worthing Borough Council, Environmental Health Department<br>Permit Reference: PP99/11<br>Dated: Not Supplied<br>Process Type: Local Authority Air Pollution Control<br>Description: PG1/14 Petrol filling station<br>**Status: Authorised**<br>Positional Accuracy: Manually positioned to the address or location | A8SW (S) | 916 | 3 | 515013 104361 |
| 18 | **Local Authority Pollution Prevention and Controls**<br>Name: Broadwater Service StationTotalfina<br>Location: Broadwater Street West, Broadwater, WORTHING, West Sussex, BN14 9NW<br>Authority: Worthing Borough Council, Environmental Health Department<br>Permit Reference: Pp99/02<br>Dated: 16th March 1999<br>Process Type: Local Authority Air Pollution Control<br>Description: PG1/14 Petrol filling station<br>**Status: Authorisation revoked**<br>Positional Accuracy: Manually positioned to the address or location | A7SE (SW) | 927 | 3 | 514475 104537 |
| | **Nearest Surface Water Feature** | A14SW (E) | 539 | - | 515716 105145 |
| 19 | **Pollution Incidents to Controlled Waters**<br>Property Type: Domestic/Residential<br>Location: Freemasons Hall, Forest Road, WORTHING<br>Authority: Environment Agency, Southern Region<br>Pollutant: Oils - Gas Oil<br>Note: Heating Oil Leaked Onto Flat Roof & Down Downpipes<br>Incident Date: 10th December 1992<br>Incident Reference: 550<br>Catchment Area: Not Given<br>Receiving Water: Not Given<br>Cause of Incident: Oils/Related Products<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m | A12SE (SW) | 490 | 2 | 514600 105050 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
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| 20 | **Pollution Incidents to Controlled Waters**<br>Property Type: Engineering<br>Location: Northbrook Trading Est, WORTHING<br>Authority: Environment Agency, Southern Region<br>Pollutant: Oils - Gas Oil<br>Note: Spillage Of Heating Oil<br>Incident Date: 24th February 1996<br>Incident Reference: 1583<br>Catchment Area: Not Given<br>Receiving Water: Not Given<br>Cause of Incident: Industrial - Other<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m | A8SE (S) | 660 | 2 | 515380 104650 |
| 21 | **Pollution Incidents to Controlled Waters**<br>Property Type: Water Company Sewage: Water Treatment Works<br>Location: Northbrook Boreholes, WORTHING<br>Authority: Environment Agency, Southern Region<br>Pollutant: Chemicals - Unknown<br>Note: Smell Of Solvents In Borehole No 1 & 2 Boreholes Affected<br>Incident Date: 14th August 1992<br>Incident Reference: 500<br>Catchment Area: Not Given<br>Receiving Water: Not Given<br>Cause of Incident: Industrial Chemicals<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m | A8SE (SE) | 704 | 2 | 515430 104620 |
| 22 | **Pollution Incidents to Controlled Waters**<br>Property Type: Industrial: Other<br>Location: Teville Stream, Upstream Brooklands Lake<br>Authority: Environment Agency, Southern Region<br>Pollutant: Oils - Diesel (Including Agricultural)<br>Note: Spillage Of Diesel Oil Smithkline Beecham Worthing; Chemical Industry<br>Incident Date: 17th March 1995<br>Incident Reference: 1244<br>Catchment Area: Not Given<br>Receiving Water: Not Given<br>Cause of Incident: Oils/Related Products<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m | A9SW (SE) | 852 | 2 | 515700 104600 |
| 23 | **Pollution Incidents to Controlled Waters**<br>Property Type: Chemical industry<br>Location: S K B Worthing, WORTHING<br>Authority: Environment Agency, Southern Region<br>Pollutant: Miscellaneous - Inert Suspended Solids<br>Note: Milky Solids In Stream On Site<br>Incident Date: 23rd January 1997<br>Incident Reference: 1997<br>Catchment Area: Not Given<br>Receiving Water: Not Given<br>Cause of Incident: Miscellaneous/Other Pollution Type<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m | A9SE (SE) | 915 | 2 | 515800 104600 |
| 24 | **Pollution Incidents to Controlled Waters**<br>Property Type: Chemical industry<br>Location: Smithkline-Beechams, Teville Stream<br>Authority: Environment Agency, Southern Region<br>Pollutant: Oils - Unknown<br>Note: Milky White Discolouration In Watercourse<br>Incident Date: 25th February 1996<br>Incident Reference: 1582<br>Catchment Area: Not Given<br>Receiving Water: Not Given<br>Cause of Incident: Chemical Spillage<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m | A9SW (SE) | 918 | 2 | 515670 104500 |
| 25 | **Pollution Incidents to Controlled Waters**<br>Property Type: Industrial: Other<br>Location: Teville Stream And, English Channel, WORTHING<br>Authority: Environment Agency, Southern Region<br>Pollutant: Chemicals - Unknown<br>Note: Two X 60L Chemical Drums Overheating; Chemical Industry<br>Incident Date: 19th August 1994<br>Incident Reference: 1047<br>Catchment Area: Not Given<br>Receiving Water: Not Given<br>Cause of Incident: Organic Industrial Waste<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m | A9SE (SE) | 992 | 2 | 515800 104500 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 25 | **Pollution Incidents to Controlled Waters**<br>Property Type: Chemical industry<br>Location: Teville Stream On Premises<br>Authority: Environment Agency, Southern Region<br>Pollutant: Chemicals - Solvents<br>Note: Spillage Of Mibk Solven Escaped To Drains<br>Incident Date: 7th February 1996<br>Incident Reference: 1563<br>Catchment Area: Not Given<br>Receiving Water: Not Given<br>Cause of Incident: Chemical Spillage<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m | A9SE (SE) | 996 | 2 | 515800 104495 |
| 26 | **Registered Radioactive Substances**<br>Name: Glaxosmithkline Plc<br>Location: Clarendon Road, WORTHING, West Sussex, BN14 8QH<br>Authority: Environment Agency, Southern Region<br>Permit Reference: Bx3929<br>Dated: 6th February 2004<br>Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)<br>Description: Minor variation to authorisation under RSA<br>**Status: Authorisation either revoked or cancelled**<br>Positional Accuracy: Manually positioned to the address or location | A9NW (SE) | 647 | 2 | 515496 104712 |
| 27 | **Registered Radioactive Substances**<br>Name: Glaxosmithkline Plc<br>Location: Clarendon Road, Worthing, West Sussex, Bn14 8qh<br>Authority: Environment Agency, Southern Region<br>Permit Reference: Bv7044<br>Dated: 30th October 2003<br>Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)<br>Description: Minor variation to authorisation under RSA<br>**Status: Authorisation superseded by a substantial or non substantial variation**<br>Positional Accuracy: Manually positioned to the address or location | A9SW (SE) | 711 | 2 | 515465 104627 |
| 28 | **Registered Radioactive Substances**<br>Name: Glaxosmithkline Plc<br>Location: Southdownview Way, WORTHING, West Sussex, BN14 8QH<br>Authority: Environment Agency, Southern Region<br>Permit Reference: AO7991<br>Dated: 9th January 1995<br>Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1)<br>Description: Minor variation to a registration under the Act of an open source which is also the subject of an authorisation<br>**Status: Authorisation either revoked or cancelled**<br>Positional Accuracy: Manually positioned to the address or location | A9SW (SE) | 824 | 2 | 515667 104611 |
| 28 | **Registered Radioactive Substances**<br>Name: Glaxosmithkline Plc<br>Location: Southdownview Way, WORTHING, West Sussex, BN14 8QH<br>Authority: Environment Agency, Southern Region<br>Permit Reference: AE0924<br>Dated: 31st March 1991<br>Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)<br>Description: Authorisation under RSA<br>**Status: Authorisation superseded by a substantial or non substantial variation**<br>Positional Accuracy: Manually positioned to the address or location | A9SW (SE) | 838 | 2 | 515677 104601 |
| 28 | **Registered Radioactive Substances**<br>Name: Glaxosmithkline Plc<br>Location: Southdownview Way, WORTHING, West Sussex, BN14 8QH<br>Authority: Environment Agency, Southern Region<br>Permit Reference: AE0932<br>Dated: 31st March 1991<br>Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1)<br>Description: Registration under the Act of an open source which is also the subject of an authorisation<br>**Status: Authorisation superseded by a substantial or non substantial variation**<br>Positional Accuracy: Manually positioned to the address or location | A9SW (SE) | 843 | 2 | 515672 104591 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 29 | **Water Abstractions**<br>Operator: Southern Water Services Ltd<br>Licence Number: 10/41/310210<br>Permit Version: 101<br>Location: Broadwater Ps Borehole 1<br>Authority: Environment Agency, Southern Region<br>Abstraction: Public Water Supply: Potable Water Supply - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: See Licence Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 11th December 2009<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A12NW (W) | 649 | 2 | 514380 105470 |
| 29 | **Water Abstractions**<br>Operator: Southern Water Services Ltd<br>Licence Number: 10/41/310210<br>Permit Version: 101<br>Location: Broadwater Ps Borehole 2<br>Authority: Environment Agency, Southern Region<br>Abstraction: Public Water Supply: Potable Water Supply - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: See Licence Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 11th December 2009<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A12NW (W) | 649 | 2 | 514380 105470 |
| 29 | **Water Abstractions**<br>Operator: Southern Water Services Plc<br>Licence Number: 10/41/310210<br>Permit Version: 100<br>Location: Broadwater Ps Borehole 2<br>Authority: Environment Agency, Southern Region<br>Abstraction: Public Water Supply: General Use (Medium Loss)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): 22500<br>Yearly Rate (m3): 8235000<br>Details: See Licence Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 18th January 2000<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A12NW (W) | 649 | 2 | 514380 105470 |
| 29 | **Water Abstractions**<br>Operator: Southern Water Services Plc<br>Licence Number: 10/41/310210<br>Permit Version: 100<br>Location: Broadwater Ps Borehole 1<br>Authority: Environment Agency, Southern Region<br>Abstraction: Public Water Supply: General Use (Medium Loss)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: See Licence Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 18th January 2000<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A12NW (W) | 649 | 2 | 514380 105470 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 30 | **Water Abstractions**<br>Operator: Southern Water Services Ltd<br>Licence Number: 10/41/310210<br>Permit Version: 101<br>Location: Broadwater Ps Borehole 3<br>Authority: Environment Agency, Southern Region<br>Abstraction: Public Water Supply: Potable Water Supply - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: See Licence Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 11th December 2009<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A12NW (W) | 676 | 2 | 514350 105410 |
| 30 | **Water Abstractions**<br>Operator: Southern Water Services Ltd<br>Licence Number: 10/41/310210<br>Permit Version: 101<br>Location: Broadwater Ps Well<br>Authority: Environment Agency, Southern Region<br>Abstraction: Public Water Supply: Potable Water Supply - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: See Licence Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 11th December 2009<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A12NW (W) | 676 | 2 | 514350 105410 |
| 30 | **Water Abstractions**<br>Operator: Southern Water Services Plc<br>Licence Number: 10/41/310210<br>Permit Version: 100<br>Location: Broadwater Ps Borehole 3<br>Authority: Environment Agency, Southern Region<br>Abstraction: Public Water Supply: General Use (Medium Loss)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: See Licence Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 18th January 2000<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | A12NW (W) | 676 | 2 | 514350 105410 |
| 30 | **Water Abstractions**<br>Operator: Southern Water Services Plc<br>Licence Number: 10/41/310210<br>Permit Version: 100<br>Location: Broadwater Ps Well<br>Authority: Environment Agency, Southern Region<br>Abstraction: Public Water Supply: General Use (Medium Loss)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: See Licence Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 18th January 2000<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A12NW (W) | 676 | 2 | 514350 105410 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 31 | **Water Abstractions**<br>Operator: Southern Water Services Ltd<br>Licence Number: 10/41/310210<br>Permit Version: 101<br>Location: Northbrook Ps Point 1 (Sussex)<br>Authority: Environment Agency, Southern Region<br>Abstraction: Public Water Supply: Potable Water Supply - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: See Licence Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 11th December 2009<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A8SE (S) | 681 | 2 | 515350 104620 |
| 31 | **Water Abstractions**<br>Operator: Southern Water Services Plc<br>Licence Number: 10/41/310210<br>Permit Version: 100<br>Location: Northbrook Ps Point 1 (Sussex)<br>Authority: Environment Agency, Southern Region<br>Abstraction: Public Water Supply: General Use (Medium Loss)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): 7000<br>Yearly Rate (m3): 2331969<br>Details: See Licence Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 18th January 2000<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | A8SE (S) | 681 | 2 | 515350 104620 |
| 32 | **Water Abstractions**<br>Operator: Unigate Finance Company Ltd<br>Licence Number: 10/41/310211<br>Permit Version: 102<br>Location: Penfold Road Dairy<br>Authority: Environment Agency, Southern Region<br>Abstraction: Dairies: General Cooling (Existing Licences Only) (Low Loss)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: See Licence Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 1st January 2003<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A8SE (S) | 741 | 2 | 515190 104540 |
| 32 | **Water Abstractions**<br>Operator: Uniq Plc<br>Licence Number: 10/41/310211<br>Permit Version: 101<br>Location: Penfold Road Dairy<br>Authority: Environment Agency, Southern Region<br>Abstraction: Dairies: General Cooling (Existing Licences Only) (Low Loss)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: See Licence Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 10th September 2002<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A8SE (S) | 741 | 2 | 515190 104540 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 32 | **Water Abstractions**<br>Operator: Unigate Dairies Ltd<br>Licence Number: 10/41/310211<br>Permit Version: 100<br>Location: Penfold Road Dairy<br>Authority: Environment Agency, Southern Region<br>Abstraction: Dairies: General Cooling (Existing Licences Only) (Low Loss)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: See Licence Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 23rd June 1995<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | A8SE (S) | 741 | 2 | 515190 104540 |
| 33 | **Water Abstractions**<br>Operator: Southern Water Services Ltd<br>Licence Number: 10/41/310210<br>Permit Version: 101<br>Location: Northbrook Ps Point 2 (Sussex)<br>Authority: Environment Agency, Southern Region<br>Abstraction: Public Water Supply: Potable Water Supply - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: See Licence Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 11th December 2009<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A9SW (SE) | 763 | 2 | 515510 104590 |
| 33 | **Water Abstractions**<br>Operator: Southern Water Services Plc<br>Licence Number: 10/41/310210<br>Permit Version: 100<br>Location: Northbrook Ps Point 2 (Sussex)<br>Authority: Environment Agency, Southern Region<br>Abstraction: Public Water Supply: General Use (Medium Loss)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): 7000<br>Yearly Rate (m3): 2331969<br>Details: See Licence Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 18th January 2000<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A9SW (SE) | 763 | 2 | 515510 104590 |
| | **Water Abstractions**<br>Operator: Links Road Golf Club Ltd<br>Licence Number: 10/41/310213<br>Permit Version: 100<br>Location: Links Road Golf Club<br>Authority: Environment Agency, Southern Region<br>Abstraction: Golf Courses: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: See Licence Map.<br>Authorised Start: 01 April<br>Authorised End: 30 September<br>Permit Start Date: 8th June 2009<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | A16NW (NW) | 1721 | 2 | 513500 106210 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Water Abstractions**<br>Operator: Links Road Golf Club Ltd<br>Licence Number: 10/41/310213<br>Permit Version: 101<br>Location: Links Road Golf Club<br>Authority: Environment Agency, Southern Region<br>Abstraction: Golf Courses: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: See Licence Map.<br>Authorised Start: 01 March<br>Authorised End: 31 October<br>Permit Start Date: 16th April 2019<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A16NW (NW) | 1722 | 2 | 513499 106210 |
| | **Water Abstractions**<br>Operator: Southern Water Services Ltd<br>Licence Number: 10/41/310210<br>Permit Version: 101<br>Location: Sompting Ps<br>Authority: Environment Agency, Southern Region<br>Abstraction: Public Water Supply: Potable Water Supply - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): 11500<br>Yearly Rate (m3): 4209000<br>Details: See Licence Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 11th December 2009<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | A20NE (NE) | 1851 | 2 | 516760 106310 |
| | **Water Abstractions**<br>Operator: Southern Water Services Plc<br>Licence Number: 10/41/310210<br>Permit Version: 100<br>Location: Sompting Ps<br>Authority: Environment Agency, Southern Region<br>Abstraction: Public Water Supply: General Use (Medium Loss)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): 11500<br>Yearly Rate (m3): 4209000<br>Details: See Licence Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 18th January 2000<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A20NE (NE) | 1851 | 2 | 516760 106310 |
| | **Water Abstractions**<br>Operator: Network Rail Limited (Southern Route)<br>Licence Number: So/041/0022/018<br>Permit Version: 1<br>Location: Point A Underground Drainage Channels At Worthing Station<br>Authority: Environment Agency, Southern Region<br>Abstraction: Other Industrial/Commercial/Public ServicesDewatering<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 April<br>Authorised End: 31 March<br>Permit Start Date: 24th March 2022<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | (S) | 1970 | 2 | 514487 103384 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Water Abstractions**<br>Operator: Network Rail Limited (Southern Route)<br>Licence Number: So/041/0022/018<br>Permit Version: 1<br>Location: Point B Underground Drainage Channels At Worthing Station<br>Authority: Environment Agency, Southern Region<br>Abstraction: Other Industrial/Commercial/Public ServicesDewatering<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 April<br>Authorised End: 31 March<br>Permit Start Date: 24th March 2022<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | (S) | 1973 | 2 | 514490<br>103380 |
| | **Groundwater Vulnerability Map**<br>Combined Classification: Principle Bedrock Aquifer - High Vulnerability<br>Combined Vulnerability: High<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: Intermediate<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: >70%<br>Superficial Patchiness: <90%<br>Superficial Thickness: 3-10m<br>Superficial Recharge: No Data | A13SW (E) | 0 | 5 | 515100<br>105340 |
| | **Groundwater Vulnerability - Soluble Rock Risk**<br>Classification: Significant Risk - Low Possibility | A13SW (E) | 0 | 5 | 515100<br>105340 |
| | **Bedrock Aquifer Designations**<br>Aquifer Designation: Principal Aquifer | A13SW (E) | 0 | 5 | 515100<br>105340 |
| | **Superficial Aquifer Designations**<br>Aquifer Designation: Secondary Aquifer - Undifferentiated | A13SW (E) | 0 | 5 | 515100<br>105340 |
| 34 | **Source Protection Zones**<br>Name: Not Supplied<br>Source: Environment Agency, Head Office<br>Reference: Not Supplied<br>Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source. | A13SW (E) | 0 | 2 | 515100<br>105340 |
| 35 | **Source Protection Zones**<br>Name: Not Supplied<br>Source: Environment Agency, Head Office<br>Reference: Not Supplied<br>Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source. | A13SW (E) | 0 | 2 | 515100<br>105340 |
| 36 | **Source Protection Zones**<br>Name: Not Supplied<br>Source: Environment Agency, Head Office<br>Reference: Not Supplied<br>Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater. | A13SW (E) | 0 | 2 | 515100<br>105340 |
| | **Extreme Flooding from Rivers or Sea without Defences**<br>None | | | | |
| | **Flooding from Rivers or Sea without Defences**<br>None | | | | |
| | **Areas Benefiting from Flood Defences**<br>None | | | | |
| | **Flood Water Storage Areas**<br>None | | | | |
| | **Flood Defences**<br>None | | | | |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 37 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 50.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 1 | A14SW (E) | 539 | 6 | 515716 105145 |
| 38 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 4.3<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 1 | A14SW (E) | 567 | 6 | 515730 105097 |
| 39 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 91.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 1 | A14SW (E) | 569 | 6 | 515731 105092 |
| 40 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 179.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 1 | A9NW (SE) | 585 | 6 | 515637 104903 |
| 41 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 52.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 1 | A14SW (E) | 604 | 6 | 515783 105146 |
| 42 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 54.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 1 | A9NW (SE) | 608 | 6 | 515732 105002 |
| 43 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 127.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 1 | A14SW (E) | 613 | 6 | 515777 105094 |
| 44 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 31.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 2 | A14SW (E) | 613 | 6 | 515777 105094 |
| 45 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 13.2<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 2 | A14SW (E) | 619 | 6 | 515772 105063 |

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|---|---|---|---|---|---|
| 46 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 145.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 2 | A14SW (SE) | 623 | 6 | 515772 105050 |
| 47 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 156.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 1 | A9NW (SE) | 642 | 6 | 515754 104972 |
| 48 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 134.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 2 | A9NW (SE) | 642 | 6 | 515754 104972 |
| 49 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 87.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 1 | A9NW (SE) | 713 | 6 | 515732 104818 |
| 50 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 96.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 1 | A9NW (SE) | 713 | 6 | 515732 104818 |
| 51 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 60.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 1 | A9NE (SE) | 732 | 6 | 515869 105001 |
| 52 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 230.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 1 | A14SE (E) | 736 | 6 | 515883 105026 |
| 53 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 37.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 1 | A14SE (E) | 736 | 6 | 515883 105026 |
| 54 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 102.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 1 | A14SE (E) | 736 | 6 | 515921 105156 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 55 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 11.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 1 | A9NE (SE) | 737 | 6 | 515861 104972 |
| 56 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 78.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 1 | A9NE (SE) | 740 | 6 | 515859 104961 |
| 57 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 93.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 1 | A9NE (SE) | 740 | 6 | 515859 104961 |
| 58 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 1.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 2 | A9NE (SE) | 766 | 6 | 515846 104884 |
| 59 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 47.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 1 | A9NE (SE) | 767 | 6 | 515848 104884 |
| 60 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 325.3<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 1 | A9NW (SE) | 769 | 6 | 515711 104716 |
| 61 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 102.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 1 | A9NW (SE) | 769 | 6 | 515711 104716 |
| 62 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 38.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 1 | A9NE (SE) | 782 | 6 | 515827 104827 |
| 63 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 69.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 1 | A9NE (SE) | 783 | 6 | 515836 104838 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 64 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 50.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 1 | A9NE (SE) | 797 | 6 | 515828 104803 |
| 65 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 32.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 2 | A9NE (SE) | 811 | 6 | 515802 104749 |
| 66 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 25.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 1 | A9NE (SE) | 818 | 6 | 515817 104756 |
| 67 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 11.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 1 | A9NE (SE) | 824 | 6 | 515805 104734 |
| 68 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 11.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 2 | A9NE (SE) | 825 | 6 | 515798 104724 |
| 69 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 11.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 1 | A9NE (SE) | 825 | 6 | 515796 104722 |
| 70 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 121.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 1 | A9NE (SE) | 833 | 6 | 515965 104968 |
| 71 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 23.0<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 1 | A9NE (SE) | 850 | 6 | 515935 104868 |
| 72 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 174.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 1 | A9NE (SE) | 856 | 6 | 515928 104845 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 73 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 65.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 1 | A14SE (E) | 877 | 6 | 516054 105103 |
| 74 | **OS Water Network Lines**<br>Watercourse Form: Lake<br>Watercourse Length: 12.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 1 | A14SE (E) | 888 | 6 | 516068 105119 |
| 75 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 32.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 1 | A14SE (E) | 891 | 6 | 516073 105130 |
| 76 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 112.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 1 | A9NE (SE) | 892 | 6 | 515928 104778 |
| 77 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 5.3<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 1 | A14SE (E) | 908 | 6 | 516073 105054 |
| 78 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 24.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 1 | A14SE (E) | 910 | 6 | 516076 105058 |
| 79 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 51.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 1 | A14SE (E) | 917 | 6 | 516089 105079 |
| 80 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 268.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 1 | A9NE (SE) | 999 | 6 | 516044 104761 |
| 81 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 1.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 1 | A9NE (SE) | 999 | 6 | 516046 104764 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 82 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 15.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Adur and Teville<br>Primacy: 1 | A9NE (SE) | 999 | 6 | 516046 104764 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 83 | **Historical Landfill Sites**<br>Licence Holder: Not Supplied<br>Location: Hillbarn Lane, Worthing, Sussex<br>Name: Hillbarn Recreation Ground<br>Operator Location: Not Supplied<br>Boundary Accuracy: As Supplied<br>Provider Reference: EAHLD19920<br>First Input Date: Not Supplied<br>Last Input Date: Not Supplied<br>Specified Waste Type: Deposited Waste included Unknown Material<br>EA Waste Ref: 0<br>Regis Ref: Not Supplied<br>WRC Ref: Not Supplied<br>BGS Ref: Not Supplied<br>Other Ref: 27-063, WD27/324 | A12NW (W) | 621 | 2 | 514405 105421 |
| | **Local Authority Landfill Coverage**<br>Name: Worthing Borough Council - Has no landfill data to supply | | 0 | 7 | 515100 105340 |
| | **Local Authority Landfill Coverage**<br>Name: West Sussex County Council - Has supplied landfill data | | 0 | 8 | 515100 105340 |
| | **Local Authority Landfill Coverage**<br>Name: Adur District Council - Has no landfill data to supply | | 417 | 9 | 515603 105404 |
| 84 | **Potentially Infilled Land (Non-Water)**<br>Bearing Ref: N<br>Use: Unknown Filled Ground (Pit, quarry etc)<br>Date of Mapping: 1990 | A13NE (N) | 148 | - | 515154 105561 |
| 85 | **Potentially Infilled Land (Non-Water)**<br>Bearing Ref: NW<br>Use: Unknown Filled Ground (Pit, quarry etc)<br>Date of Mapping: 1974 | A18SW (NW) | 309 | - | 514933 105710 |
| 86 | **Potentially Infilled Land (Non-Water)**<br>Bearing Ref: NW<br>Use: Unknown Filled Ground (Pit, quarry etc)<br>Date of Mapping: 1974 | A13NW (NW) | 323 | - | 514848 105684 |
| 87 | **Potentially Infilled Land (Non-Water)**<br>Bearing Ref: W<br>Use: Unknown Filled Ground (Pit, quarry etc)<br>Date of Mapping: 1974 | A12NW (W) | 694 | - | 514362 105618 |
| 88 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1899 | A12NE (NW) | 369 | - | 514731 105635 |
| 89 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1962 | A8NE (S) | 520 | - | 515151 104760 |
| 90 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1879 | A8NW (S) | 528 | - | 515086 104750 |
| 91 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1962 | A9NW (SE) | 588 | - | 515632 104894 |
| 92 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1879 | A9NW (SE) | 620 | - | 515518 104756 |
| 93 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1962 | A9NW (SE) | 667 | - | 515497 104690 |
| 94 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1962 | A8SE (S) | 690 | - | 515341 104609 |
| 95 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1879 | A9NW (SE) | 716 | - | 515660 104742 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 96 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1962 | A8SE (S) | 723 | - | 515242 104561 |
| 97 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1913 | A8SE (S) | 732 | - | 515302 104559 |
| 98 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1879 | A9NW (SE) | 735 | - | 515622 104688 |
| 99 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1879 | A8SE (S) | 738 | - | 515311 104543 |
| 100 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1879 | A9NE (SE) | 844 | - | 515798 104697 |
| 101 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1879 | A8SE (S) | 883 | - | 515241 104400 |
| 102 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1879 | A9SW (SE) | 890 | - | 515671 104534 |
| 103 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1879 | A8SE (S) | 914 | - | 515415 104396 |
| 104 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1879 | A9SE (SE) | 968 | - | 515844 104569 |
| 105 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1879 | A3NW (S) | 971 | - | 514906 104314 |
| 106 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1899 | A7NW (SW) | 1000 | - | 514174 104768 |
| 107 | **Registered Waste Transfer Sites**<br>Licence Holder: Partco Autoparts<br>Licence Reference: 6/AM/92<br>Site Location: 6/7 Downsbrook Trading Estate, Southdownview Way, Worthing, West Sussex<br>Operator Location: Lea Francis House, Station Road, Balsall Common, COVENTRY, West Midlands, CV7 7FD<br>Authority: Environment Agency - Southern Region, Sussex Area<br>Site Category: Transfer<br>Max Input Rate: Very Small (Less than 10,000 tonnes per year)<br>Waste Source Restrictions: No known restriction on source of waste<br>Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled<br>Dated: 1st August 1992<br>Preceded By Licence: Not Given<br>Superseded By Licence: Not Given<br>Positional Accuracy: Manually positioned to the address or location<br>Boundary Quality: Not Supplied<br>Authorised Waste: Contam.Hydrocarbon Solvents<br>Max.Storage<br>Prohibited Waste: Waste N.O.S. | A8SE (S) | 684 | 2 | 515240 104600 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **BGS 1:625,000 Solid Geology**<br>Description: White Chalk Subgroup | A13SW (E) | 0 | 1 | 515100 105340 |
| | **BGS Estimated Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Sediment<br>Arsenic Concentration: 15 - 25 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: <100 mg/kg<br>Nickel Concentration: 15 - 30 mg/kg | A13SW (E) | 0 | 1 | 515100 105340 |
| 108 | **BGS Recorded Mineral Sites**<br>Site Name: Charman Dean Sand Pit<br>Location: Broadwater, Worthing, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 157916<br>Type: Opencast<br>**Status: Ceased**<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Quaternary<br>Geology: Head<br>Commodity: Sand<br>Positional Accuracy: Located by supplier to within 10m | A13NE (NE) | 11 | 1 | 515155 105394 |
| 109 | **BGS Recorded Mineral Sites**<br>Site Name: Charman Dean<br>Location: Broadwater, Worthing, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 157915<br>Type: Opencast<br>**Status: Ceased**<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Tarrant Chalk Member<br>Commodity: Chalk<br>Positional Accuracy: Located by supplier to within 10m | A13NE (N) | 149 | 1 | 515145 105564 |
| 110 | **BGS Recorded Mineral Sites**<br>Site Name: Charman Dean Gravel Pit<br>Location: Broadwater, Worthing, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 157912<br>Type: Opencast<br>**Status: Ceased**<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Tarrant Chalk Member<br>Commodity: Sand and Gravel<br>Positional Accuracy: Located by supplier to within 10m | A18SW (NW) | 332 | 1 | 514915 105728 |
| 111 | **BGS Recorded Mineral Sites**<br>Site Name: Charman Dean<br>Location: Broadwater, Worthing, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 157917<br>Type: Opencast<br>**Status: Ceased**<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Tarrant Chalk Member<br>Commodity: Chalk<br>Positional Accuracy: Located by supplier to within 10m | A18SW (NW) | 374 | 1 | 514826 105731 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
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| 112 | **BGS Recorded Mineral Sites**<br>Site Name: Lambley Lane Chalk Pit<br>Location: Broadwater, Worthing, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 157911<br>Type: Opencast<br>**Status: Ceased**<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Tarrant Chalk Member<br>Commodity: Chalk<br>Positional Accuracy: Located by supplier to within 10m | A19SW (NE) | 687 | 1 | 515612 105900 |
| 113 | **BGS Recorded Mineral Sites**<br>Site Name: The Warren Gravel Pit<br>Location: Broadwater, Worthing, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 157901<br>Type: Opencast<br>**Status: Ceased**<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Quaternary<br>Geology: Head<br>Commodity: Sand and Gravel<br>Positional Accuracy: Located by supplier to within 10m | A12SW (W) | 721 | 1 | 514316 105214 |
| 114 | **BGS Recorded Mineral Sites**<br>Site Name: Broadwater Chalk Pits<br>Location: Broadwater, Worthing, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 157895<br>Type: Opencast<br>**Status: Ceased**<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Tarrant Chalk Member<br>Commodity: Chalk<br>Positional Accuracy: Located by supplier to within 10m | A12NW (W) | 725 | 1 | 514324 105596 |
| 115 | **BGS Recorded Mineral Sites**<br>Site Name: Broadwater Chalk Pits<br>Location: Broadwater, Worthing, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 157894<br>Type: Opencast<br>**Status: Ceased**<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Tarrant Chalk Member<br>Commodity: Chalk<br>Positional Accuracy: Located by supplier to within 10m | A17SW (NW) | 742 | 1 | 514338 105693 |
| 116 | **BGS Recorded Mineral Sites**<br>Site Name: The Warren Gravel Pit<br>Location: Broadwater, Worthing, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 157896<br>Type: Opencast<br>**Status: Ceased**<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Quaternary<br>Geology: Head<br>Commodity: Sand and Gravel<br>Positional Accuracy: Located by supplier to within 10m | A12SW (W) | 898 | 1 | 514142 105173 |
| | **BGS Measured Urban Soil Chemistry**<br>No data available | | | | |
| | **BGS Urban Soil Chemistry Averages**<br>No data available | | | | |
| | **Coal Mining Affected Areas**<br>In an area that might not be affected by coal mining | | | | |
| | **Non Coal Mining Areas of Great Britain**<br>Risk: Rare<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (E) | 0 | 1 | 515100 105340 |

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| | **Non Coal Mining Areas of Great Britain**<br>Risk: Rare<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (W) | 26 | 1 | 515000 105340 |
| | **Potential for Collapsible Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (E) | 0 | 1 | 515100 105340 |
| | **Potential for Collapsible Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (W) | 26 | 1 | 515000 105340 |
| | **Potential for Compressible Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (E) | 0 | 1 | 515100 105340 |
| | **Potential for Compressible Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (W) | 26 | 1 | 515000 105340 |
| | **Potential for Ground Dissolution Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (E) | 0 | 1 | 515100 105340 |
| | **Potential for Ground Dissolution Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (W) | 26 | 1 | 515000 105340 |
| | **Potential for Ground Dissolution Stability Hazards**<br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service | A13NW (NW) | 71 | 1 | 515000 105481 |
| | **Potential for Ground Dissolution Stability Hazards**<br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service | A13NW (NW) | 71 | 1 | 515032 105495 |
| | **Potential for Ground Dissolution Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A13NW (N) | 114 | 1 | 515052 105534 |
| | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (E) | 0 | 1 | 515100 105340 |
| | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (W) | 26 | 1 | 515000 105340 |
| | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A13NW (N) | 114 | 1 | 515052 105534 |
| | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A13NW (NW) | 115 | 1 | 515000 105526 |
| | **Potential for Running Sand Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (E) | 0 | 1 | 515100 105340 |
| | **Potential for Running Sand Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (W) | 26 | 1 | 515000 105340 |
| | **Potential for Running Sand Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A13NW (N) | 114 | 1 | 515052 105534 |
| | **Potential for Running Sand Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A13NW (NW) | 115 | 1 | 515000 105526 |
| | **Potential for Shrinking or Swelling Clay Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (E) | 0 | 1 | 515100 105340 |
| | **Potential for Shrinking or Swelling Clay Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (W) | 26 | 1 | 515000 105340 |
| | **Potential for Shrinking or Swelling Clay Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A13NW (N) | 114 | 1 | 515052 105534 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Potential for Shrinking or Swelling Clay Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A13NW (NW) | 115 | 1 | 515000 105526 |
| | **Radon Potential - Radon Affected Areas**<br>Affected Area: The property is an Intermediate probability radon area (3 to 5% of homes are estimated to be at or above the Action Level).<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (E) | 0 | 1 | 515100 105340 |
| | **Radon Potential - Radon Protection Measures**<br>Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (E) | 0 | 1 | 515100 105340 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 117 | **Contemporary Trade Directory Entries**<br>Name: Sainsbury'S Petrol Station<br>Location: Downland Business Park, Worthing, West Sussex, BN14 9LA<br>Classification: Petrol Filling Stations<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A13NW (NW) | 0 | - | 515064 105370 |
| 118 | **Contemporary Trade Directory Entries**<br>Name: Currys<br>Location: Unit 1, Downlands Retail Park, Lyons Way, Worthing, BN14 9FB<br>Classification: Electrical Goods Sales, Manufacturers & Wholesalers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13SE (E) | 29 | - | 515214 105328 |
| 119 | **Contemporary Trade Directory Entries**<br>Name: Supasnaps<br>Location: Downlands Business Park,Lyons Way, Worthing, West Sussex, BN14 9LA<br>Classification: Photographic Processors<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A13NE (NE) | 53 | - | 515160 105455 |
| 120 | **Contemporary Trade Directory Entries**<br>Name: Visual Comfort & Co<br>Location: Unit L to M, Downlands Business Park, Lyons Way, Worthing, BN14 9LA<br>Classification: Lighting Manufacturers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A13NE (E) | 68 | - | 515235 105388 |
| 120 | **Contemporary Trade Directory Entries**<br>Name: T N United Kingdom Ltd<br>Location: Unit K, Downlands Business Park, Lyons Way, Worthing, BN14 9LA<br>Classification: Bearing Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NE (E) | 110 | - | 515279 105392 |
| 121 | **Contemporary Trade Directory Entries**<br>Name: Auto Panels<br>Location: Unit 2, Beeches Avenue, Worthing, West Sussex, BN14 9JF<br>Classification: Car Body Repairs<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NW (W) | 91 | - | 514936 105398 |
| 121 | **Contemporary Trade Directory Entries**<br>Name: Automan<br>Location: Unit 1, Beeches Avenue, Worthing, West Sussex, BN14 9JF<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NW (W) | 112 | - | 514915 105397 |
| 121 | **Contemporary Trade Directory Entries**<br>Name: Paul Perry Motors<br>Location: Unit 1, Beeches Avenue, Worthing, West Sussex, BN14 9JF<br>Classification: Garage Services<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A13NW (W) | 112 | - | 514915 105397 |
| 122 | **Contemporary Trade Directory Entries**<br>Name: P D H Garages (Worthing) Ltd<br>Location: 123, Upper Brighton Road, Worthing, West Sussex, BN14 9JN<br>Classification: Car Dealers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13SW (S) | 111 | - | 515098 105168 |
| 122 | **Contemporary Trade Directory Entries**<br>Name: Downland Service Station<br>Location: 123, Upper Brighton Road, Worthing, West Sussex, BN14 9JN<br>Classification: Petrol Filling Stations - 24 Hour<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13SW (S) | 111 | - | 515098 105168 |
| 123 | **Contemporary Trade Directory Entries**<br>Name: Currys<br>Location: Unit C, Downland Business Park, Lyons Way, Worthing, West Sussex, BN14 9LA<br>Classification: Electrical Goods Sales, Manufacturers & Wholesalers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13SE (S) | 115 | - | 515152 105165 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 123 | **Contemporary Trade Directory Entries**<br>Name: Cordia Healthcare<br>Location: Unit B & C,Downland Business Pk,Lyons Way, Worthing, West Sussex, BN14 9LA<br>Classification: Chemists' & Pharmacists' Suppliers & Wholesalers<br>**Status:** **Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A13SE (S) | 116 | - | 515152 105164 |
| 124 | **Contemporary Trade Directory Entries**<br>Name: Sketchley Retail Ltd<br>Location: Downlands Business Park,Lyons Way, Worthing, West Sussex, BN14 9LA<br>Classification: Dry Cleaners<br>**Status:** **Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A13NE (NE) | 117 | - | 515234 105470 |
| 125 | **Contemporary Trade Directory Entries**<br>Name: H Giles & Son<br>Location: 29, Leighton Avenue, Worthing, West Sussex, BN14 8QP<br>Classification: Scrap Metal Merchants<br>**Status:** **Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8NE (SE) | 315 | - | 515275 104979 |
| 126 | **Contemporary Trade Directory Entries**<br>Name: M French<br>Location: 104, Upper Brighton Road, Worthing, West Sussex, BN14 9HR<br>Classification: Electrolysis<br>**Status:** **Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12SE (SW) | 349 | - | 514761 105059 |
| 127 | **Contemporary Trade Directory Entries**<br>Name: Stephen Charman Plumbing Services<br>Location: 18, Longlands, Worthing, BN14 9NN<br>Classification: Boilers - Servicing, Replacements & Repairs<br>**Status:** **Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NE (NW) | 369 | - | 514772 105683 |
| 128 | **Contemporary Trade Directory Entries**<br>Name: Dusty'S<br>Location: 82, Bramley Road, Worthing, West Sussex, BN14 9DT<br>Classification: Cleaning Services - Domestic<br>**Status:** **Active**<br>Positional Accuracy: Automatically positioned to the address | A7NE (SW) | 434 | - | 514764 104936 |
| 129 | **Contemporary Trade Directory Entries**<br>Name: Hump It Lump It Dump It<br>Location: 29, Longlands, Worthing, West Sussex, BN14 9NW<br>Classification: Waste Disposal Services<br>**Status:** **Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 446 | - | 514731 105750 |
| 130 | **Contemporary Trade Directory Entries**<br>Name: Rob Hayward<br>Location: 9, Turner Road, Worthing, West Sussex, BN14 8PY<br>Classification: Joinery Manufacturers<br>**Status:** **Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8NE (SE) | 469 | - | 515337 104837 |
| 131 | **Contemporary Trade Directory Entries**<br>Name: Utensils<br>Location: FLAT 1, THE CHARMANDEAN CENTRE, FOREST ROAD, BROADWATER, WORTHING, BN14 9HS<br>Classification: Catering Equipment<br>**Status:** **Active**<br>Positional Accuracy: Automatically positioned to the address | A7NE (SW) | 508 | - | 514607 105002 |
| 131 | **Contemporary Trade Directory Entries**<br>Name: Core Cleaning Services<br>Location: FLAT 3, THE CHARMANDEAN CENTRE, FOREST ROAD, BROADWATER, WORTHING, BN14 9HS<br>Classification: Commercial Cleaning Services<br>**Status:** **Active**<br>Positional Accuracy: Automatically positioned to the address | A7NE (SW) | 508 | - | 514607 105002 |
| 131 | **Contemporary Trade Directory Entries**<br>Name: Utensils Southern Ltd<br>Location: The Charmandean Centre, Forest Road, Worthing, BN14 9HS<br>Classification: Catering Equipment<br>**Status:** **Inactive**<br>Positional Accuracy: Automatically positioned to the address | A7NE (SW) | 508 | - | 514607 105002 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 131 | **Contemporary Trade Directory Entries**<br>Name: Core Services South Ltd<br>Location: FLAT 3, THE CHARMANDEAN CENTRE, FOREST ROAD, BROADWATER, WORTHING, BN14 9HS<br>Classification: Commercial Cleaning Services<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A7NE (SW) | 508 | - | 514607 105002 |
| 131 | **Contemporary Trade Directory Entries**<br>Name: Commercial Kitchen Contracts Ltd<br>Location: The Charmandean Centre, Forest Road, Worthing, West Sussex, BN14 9HS<br>Classification: Catering Equipment<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A7NE (SW) | 515 | - | 514594 105009 |
| 131 | **Contemporary Trade Directory Entries**<br>Name: Utensils<br>Location: Flat 1, The Charmandean Centre, Forest Road, Worthing, West Sussex, BN14 9HS<br>Classification: Catering Equipment<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A7NE (SW) | 515 | - | 514594 105009 |
| 131 | **Contemporary Trade Directory Entries**<br>Name: Mr J Baxter<br>Location: Flat 1, The Charmandean Centre, Forest Road, Worthing, West Sussex, BN14 9HS<br>Classification: Catering Equipment<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A7NE (SW) | 515 | - | 514594 105009 |
| 132 | **Contemporary Trade Directory Entries**<br>Name: Coca Cola Enterprises Ltd<br>Location: Leigh Rd, Worthing, West Sussex, BN14 9HQ<br>Classification: Vending Machine Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned within the geographical locality | A8NW (S) | 527 | - | 514923 104761 |
| 133 | **Contemporary Trade Directory Entries**<br>Name: J S Arnold (Coach Builders) Ltd<br>Location: Northbrook Rd, Worthing, West Sussex, BN14 8PW<br>Classification: Car Body Repairs<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the road within the address or location | A8NE (S) | 548 | - | 515209 104734 |
| 133 | **Contemporary Trade Directory Entries**<br>Name: A J S Autotech<br>Location: Unit 2, 20, Northbrook Trading Estate, Northbrook Road, Worthing, West Sussex, BN14 8PN<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8NE (S) | 566 | - | 515253 104720 |
| 133 | **Contemporary Trade Directory Entries**<br>Name: Direct Blinds<br>Location: Unit 2, Northbrook Business Park, Northbrook Road, Worthing, BN14 8PQ<br>Classification: Blinds, Awnings & Canopies<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8NE (S) | 566 | - | 515253 104720 |
| 134 | **Contemporary Trade Directory Entries**<br>Name: Wiltshire Farm Foods<br>Location: Unit 4, Northbrook Business Park, Northbrook Road, Worthing, BN14 8PQ<br>Classification: Frozen Food Processors & Distributors<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8NE (S) | 569 | - | 515280 104720 |
| 134 | **Contemporary Trade Directory Entries**<br>Name: Bst Electronics<br>Location: Unit 6,Northbrook Business Pk,Northbrook Rd, Worthing, West Sussex, BN14 8PQ<br>Classification: Electronic Equipment - Manufacturers & Assemblers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A8NE (S) | 576 | - | 515309 104719 |
| 134 | **Contemporary Trade Directory Entries**<br>Name: Automotion Garage Services<br>Location: Unit 8, Northbrook Business Park, Northbrook Road, Worthing, BN14 8PQ<br>Classification: Garage Services<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A8NE (S) | 580 | - | 515338 104721 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 134 | **Contemporary Trade Directory Entries**<br>Name: Brighton Trade Windows<br>Location: Northbrook Business Pk,Northbrook Rd, Worthing, West Sussex, BN14 8PQ<br>Classification: PVC-U Products - Manufacturers & Suppliers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8NE (S) | 592 | - | 515308 104702 |
| 134 | **Contemporary Trade Directory Entries**<br>Name: Alexander<br>Location: Unit 18, Northbrook Business Park, Northbrook Road, Worthing, BN14 8PQ<br>Classification: Distribution Services<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A8NE (S) | 610 | - | 515322 104686 |
| 134 | **Contemporary Trade Directory Entries**<br>Name: Elite Fire Ltd<br>Location: Unit 17, Northbrook Business Park, Northbrook Road, Worthing, BN14 8PQ<br>Classification: Firefighting Equipment<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8NE (S) | 615 | - | 515339 104686 |
| 135 | **Contemporary Trade Directory Entries**<br>Name: System Care<br>Location: Unit 10, Northbrook Business Park, Northbrook Road, Worthing, West Sussex, BN14 8PQ<br>Classification: Telecommunications Equipment & Systems<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8NE (SE) | 589 | - | 515367 104720 |
| 135 | **Contemporary Trade Directory Entries**<br>Name: Identivue<br>Location: Unit 12, Northbrook Business Park, Northbrook Road, Worthing, West Sussex, BN14 8PQ<br>Classification: Cash Registers & Check-Out Equipment<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8NE (SE) | 599 | - | 515396 104720 |
| 135 | **Contemporary Trade Directory Entries**<br>Name: Thermosensing Ltd<br>Location: Unit 15,Northbrook Business Pk,Northbrook Rd, Worthing, West Sussex, BN14 8PQ<br>Classification: Control Panels<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A8NE (S) | 624 | - | 515367 104684 |
| 135 | **Contemporary Trade Directory Entries**<br>Name: Spicer International<br>Location: Unit 14, Northbrook Business Park, Northbrook Road, WORTHING, West Sussex, BN14 8PQ<br>Classification: Freight Forwarders<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8NE (SE) | 635 | - | 515405 104685 |
| 135 | **Contemporary Trade Directory Entries**<br>Name: Spicer International<br>Location: Unit 14, Northbrook Business Park, Northbrook Road, Worthing, BN14 8PQ<br>Classification: Freight Forwarders<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8NE (SE) | 636 | - | 515405 104684 |
| 135 | **Contemporary Trade Directory Entries**<br>Name: P & R Motors Worthing<br>Location: Unit 1, 20, Northbrook Trading Estate, Northbrook Road, Worthing, West Sussex, BN14 8PN<br>Classification: Car Body Repairs<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (SE) | 648 | - | 515392 104666 |
| 135 | **Contemporary Trade Directory Entries**<br>Name: Andy Levin'S Service<br>Location: Unit 1, Northbrook Trading Estate, 20, Northbrook Road, Worthing, BN14 8PN<br>Classification: Garage Services<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A8SE (SE) | 648 | - | 515384 104664 |
| 135 | **Contemporary Trade Directory Entries**<br>Name: Partridge Plastics Worthing Ltd<br>Location: Unit G-h, 20, Northbrook Trading Estate, Northbrook Road, Worthing, BN14 8PN<br>Classification: Plastics - Injection Moulding<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 648 | - | 515352 104655 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 135 | **Contemporary Trade Directory Entries**<br>Name: Direct Blinds<br>Location: Unit 2, 20, Northbrook Trading Estate, Northbrook Road, Worthing, BN14 8PN<br>Classification: Blinds, Awnings & Canopies<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (SE) | 653 | - | 515399 104664 |
| 136 | **Contemporary Trade Directory Entries**<br>Name: Ashley Lawrence<br>Location: Unit A, Northbrook Trading Estate, Northbrook Road, Worthing, West Sussex, BN14 8PN<br>Classification: Furniture Manufacturers - Home & Office<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8NE (S) | 607 | - | 515200 104675 |
| 137 | **Contemporary Trade Directory Entries**<br>Name: D Peters Printfinishing Ltd<br>Location: Unit D, Northbrook Trading Estate, Northbrook Road, Worthing, West Sussex, BN14 8PN<br>Classification: Printers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 632 | - | 515283 104657 |
| 137 | **Contemporary Trade Directory Entries**<br>Name: Livewire E D M Services<br>Location: Unit E, Northbrook Trading Estate, Northbrook Road, Worthing, West Sussex, BN14 8PN<br>Classification: Precision Engineers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 635 | - | 515292 104655 |
| 137 | **Contemporary Trade Directory Entries**<br>Name: Livewire E D M Services<br>Location: Unit E, Northbrook Trading Estate, Northbrook Road, Worthing, West Sussex, BN14 8PN<br>Classification: Precision Engineers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 635 | - | 515292 104655 |
| 137 | **Contemporary Trade Directory Entries**<br>Name: Concord Press<br>Location: Unit E, Northbrook Trading Estate, Northbrook Road, Worthing, West Sussex, BN14 8PN<br>Classification: Printers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 635 | - | 515292 104655 |
| 137 | **Contemporary Trade Directory Entries**<br>Name: Hygiene Chemicals Ltd<br>Location: Unit 9, Downsbrook Trading Estate, Southdownview Way, Worthing, BN14 8NQ<br>Classification: Cleaning Materials & Equipment<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 642 | - | 515238 104642 |
| 137 | **Contemporary Trade Directory Entries**<br>Name: Eurocell<br>Location: Unit 11, Downsbrook Trading Estate, Southdownview Way, Worthing, West Sussex, BN14 8NQ<br>Classification: PVC-U Products - Manufacturers & Suppliers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 668 | - | 515304 104623 |
| 137 | **Contemporary Trade Directory Entries**<br>Name: Jewson<br>Location: Unit 10, Downsbrook Trading Estate, Southdownview Way, Worthing, BN14 8NQ<br>Classification: Builders' Merchants<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 669 | - | 515304 104623 |
| 138 | **Contemporary Trade Directory Entries**<br>Name: Lelliotts Sunblinds Ltd<br>Location: 80, Sompting Road, Worthing, West Sussex, BN14 9ES<br>Classification: Blinds, Awnings & Canopies<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 635 | - | 515119 104644 |

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|---|---|---|---|---|---|
| 138 | **Contemporary Trade Directory Entries**<br>Name: Lelliotts Sunblinds Ltd<br>Location: 80, Sompting Road, Worthing, West Sussex, BN14 9ES<br>Classification: Blinds, Awnings & Canopies<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 635 | - | 515119 104644 |
| 139 | **Contemporary Trade Directory Entries**<br>Name: E Madden<br>Location: 23, Shandon Road, Worthing, West Sussex, BN14 9DY<br>Classification: Boilers - Servicing, Replacements & Repairs<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SW (S) | 638 | - | 514852 104665 |
| 140 | **Contemporary Trade Directory Entries**<br>Name: G S K Worthing<br>Location: Southdownview Way, Worthing, West Sussex, BN14 8QH<br>Classification: Pharmaceutical Manufacturers & Distributors<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned within the geographical locality | A9NW (SE) | 648 | - | 515496 104711 |
| 141 | **Contemporary Trade Directory Entries**<br>Name: Aa Service Centre<br>Location: Upper Brighton Rd, Worthing, West Sussex, BN14 9DL<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the road within the address or location | A12SW (SW) | 654 | - | 514436 105011 |
| 142 | **Contemporary Trade Directory Entries**<br>Name: South Coast Office Equipment<br>Location: Unit 3-5, Northbrook Trading Estate, Northbrook Road, Worthing, West Sussex, BN14 8PN<br>Classification: Office Furniture & Equipment<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (SE) | 675 | - | 515408 104643 |
| 142 | **Contemporary Trade Directory Entries**<br>Name: B S Motors<br>Location: Unit 3, Northbrook Trading Estate, Northbrook Road, Worthing, West Sussex, BN14 8PN<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A8SE (SE) | 675 | - | 515408 104643 |
| 142 | **Contemporary Trade Directory Entries**<br>Name: Northbrook Body Works<br>Location: 20, Northbrook Trading Estate, Northbrook Road, Worthing, West Sussex, BN14 8PN<br>Classification: Car Body Repairs<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (SE) | 675 | - | 515408 104643 |
| 142 | **Contemporary Trade Directory Entries**<br>Name: R S<br>Location: 20, Northbrook Trading Estate, Northbrook Road, Worthing, West Sussex, BN14 8PN<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (SE) | 675 | - | 515408 104643 |
| 142 | **Contemporary Trade Directory Entries**<br>Name: Carz Garage Ltd<br>Location: Unit 5, 20, Northbrook Trading Estate, Northbrook Road, Worthing, West Sussex, BN14 8PN<br>Classification: Car Body Repairs<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (SE) | 675 | - | 515408 104643 |
| 143 | **Contemporary Trade Directory Entries**<br>Name: Phoenix Group Services<br>Location: 2, Shandon Road, Worthing, West Sussex, BN14 9DY<br>Classification: Commercial Cleaning Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SW (S) | 693 | - | 514892 104599 |
| 144 | **Contemporary Trade Directory Entries**<br>Name: Worthing Trailers & Towbars<br>Location: Southdownview Way, Worthing, West Sussex, BN14 8NL<br>Classification: Trailers & Towing Equipment<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the road within the address or location | A8SE (S) | 708 | - | 515352 104593 |

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|---|---|---|---|---|---|
| 144 | **Contemporary Trade Directory Entries**<br>Name: Steeles Of Worthing<br>Location: Southdownview Way, Worthing, West Sussex, BN14 8NL<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 727 | - | 515333 104570 |
| 144 | **Contemporary Trade Directory Entries**<br>Name: Worthing Mot<br>Location: Southdownview Way, Worthing, West Sussex, BN14 8NL<br>Classification: Mot Testing Centres<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 727 | - | 515333 104570 |
| 144 | **Contemporary Trade Directory Entries**<br>Name: P R S Invisitech<br>Location: 4b, Southdownview Way, Worthing, West Sussex, BN14 8NL<br>Classification: Printed Circuit Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 735 | - | 515375 104571 |
| 144 | **Contemporary Trade Directory Entries**<br>Name: C Tech Electronics Ltd<br>Location: 4b, Southdownview Way, Worthing, West Sussex, BN14 8NL<br>Classification: Printed Circuit Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A8SE (S) | 735 | - | 515375 104571 |
| 145 | **Contemporary Trade Directory Entries**<br>Name: 7 Day Windows<br>Location: Unit 1, Downsbrook Trading Estate, Southdownview Way, Worthing, West Sussex, BN14 8NQ<br>Classification: Window Frames - Sales & Service<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A8SE (S) | 719 | - | 515277 104569 |
| 145 | **Contemporary Trade Directory Entries**<br>Name: Yeomans Vauxuhall Worthing<br>Location: Southdownview Way, Worthing, BN14 8NL<br>Classification: Garage Services<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 726 | - | 515324 104569 |
| 146 | **Contemporary Trade Directory Entries**<br>Name: The Protein Ball Company<br>Location: Unit 3, Downsbrook Trading Estate, Southdownview Way, Worthing, BN14 8NQ<br>Classification: Food Products - Manufacturers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 720 | - | 515255 104565 |
| 147 | **Contemporary Trade Directory Entries**<br>Name: A L S Motors<br>Location: 3f, Southdownview Way, Worthing, BN14 8NL<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (SE) | 751 | - | 515431 104571 |
| 147 | **Contemporary Trade Directory Entries**<br>Name: R H Smith Ltd<br>Location: 3a, Southdownview Way, Worthing, BN14 8NL<br>Classification: Woodworm Control<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A8SE (SE) | 752 | - | 515431 104570 |
| 147 | **Contemporary Trade Directory Entries**<br>Name: Elite Garages<br>Location: Southdownview Way, Worthing, West Sussex, BN14 8NL<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned within the geographical locality | A8SE (SE) | 752 | - | 515431 104570 |
| 147 | **Contemporary Trade Directory Entries**<br>Name: Uk Leaflet Deliveries Ltd<br>Location: 3b, Southdownview Way, Worthing, West Sussex, BN14 8NL<br>Classification: Distribution Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 752 | - | 515416 104565 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 147 | **Contemporary Trade Directory Entries**<br>Name: M N Atterbury Ltd<br>Location: Southdownview Way, Worthing, West Sussex, BN14 8NL<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (SE) | 756 | - | 515432 104566 |
| 147 | **Contemporary Trade Directory Entries**<br>Name: Shaun Spooner Autos<br>Location: Unit 2 New Haden Works,Draycott Cross Road, Cheadle, Stoke-on-Trent, Staffordshire, ST10 1PN<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned within the geographical locality | A8SE (S) | 777 | - | 515422 104541 |
| 147 | **Contemporary Trade Directory Entries**<br>Name: Parker Building Supplies<br>Location: Unit 1, Southdownview Road, Worthing, BN14 8NZ<br>Classification: Builders' Merchants<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 780 | - | 515420 104537 |
| 148 | **Contemporary Trade Directory Entries**<br>Name: Travis Perkins Worthing Town Centre<br>Location: SOMPTING ROAD, BROADWATER, WORTHING, BN14 9EP<br>Classification: Builders' Merchants<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 767 | - | 515124 104512 |
| 149 | **Contemporary Trade Directory Entries**<br>Name: Dairy Crest<br>Location: 22, Sompting Road, WORTHING, West Sussex, BN14 9EP<br>Classification: Dairies<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 792 | - | 515122 104487 |
| 149 | **Contemporary Trade Directory Entries**<br>Name: Unigate Chill Chain<br>Location: 22, Sompting Road, Worthing, West Sussex, BN14 9EP<br>Classification: Dairies<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 792 | - | 515122 104487 |
| 149 | **Contemporary Trade Directory Entries**<br>Name: Fixadent<br>Location: 18, Sompting Road, Worthing, BN14 9EP<br>Classification: Car Body Repairs<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 823 | - | 515114 104455 |
| 149 | **Contemporary Trade Directory Entries**<br>Name: Nationwide Office Machines Ltd<br>Location: Charles House, 12, Sompting Road, Worthing, West Sussex, BN14 9EP<br>Classification: Office Equipment Manufacturers & Distributors<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SW (S) | 836 | - | 515111 104442 |
| 150 | **Contemporary Trade Directory Entries**<br>Name: Hsl Tank Services (1996) Ltd<br>Location: 33, Grove Road, Worthing, West Sussex, BN14 9DQ<br>Classification: Tanks, Vats & Cisterns<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A7NW (SW) | 834 | - | 514311 104861 |
| 151 | **Contemporary Trade Directory Entries**<br>Name: Azzono Tech Tuning<br>Location: Sunnycroft, West Street, Sompting, Lancing, BN15 0AP<br>Classification: Car Engine Tuning & Diagnostic Services<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A14SE (E) | 845 | - | 516039 105217 |
| 152 | **Contemporary Trade Directory Entries**<br>Name: Southern Co-Operative Dairies Ltd<br>Location: 137, Broadwater Street East, Worthing, West Sussex, BN14 9AP<br>Classification: Dairies<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SW (S) | 855 | - | 515021 104422 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 153 | **Contemporary Trade Directory Entries**<br>Name: A D Fuels Ltd<br>Location: 109, Broadwater Street East, Worthing, BN14 9AW<br>Classification: Road Haulage Services<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A8SW (S) | 861 | - | 514955 104419 |
| 154 | **Contemporary Trade Directory Entries**<br>Name: Howdens Joinery Co<br>Location: Southdownview Road, Worthing, BN14 8NZ<br>Classification: Builders' Merchants<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A9SW (SE) | 861 | - | 515525 104489 |
| 155 | **Contemporary Trade Directory Entries**<br>Name: United Carpet Cleaning Masters<br>Location: 66, Broadwater Street East, Worthing, West Sussex, BN14 9AP<br>Classification: Carpet, Curtain & Upholstery Cleaners<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SW (S) | 879 | - | 515025 104398 |
| 155 | **Contemporary Trade Directory Entries**<br>Name: B P Service Station<br>Location: Sompting Avenue, Worthing, BN14 8HP<br>Classification: Petrol Filling Stations<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SW (S) | 911 | - | 515006 104366 |
| 155 | **Contemporary Trade Directory Entries**<br>Name: Shell<br>Location: Sompting Avenue, Worthing, BN14 8HP<br>Classification: Petrol Filling Stations<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A8SW (S) | 911 | - | 515006 104366 |
| 155 | **Contemporary Trade Directory Entries**<br>Name: Murco Petroleum Ltd<br>Location: Sompting Avenue, Worthing, West Sussex, BN14 8HP<br>Classification: Petrol Filling Stations<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A8SW (S) | 916 | - | 515013 104361 |
| 156 | **Contemporary Trade Directory Entries**<br>Name: Speed Sure Logistics<br>Location: 264, Dominion Road, Worthing, West Sussex, BN14 8JJ<br>Classification: Road Haulage Services<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 884 | - | 515146 104396 |
| 157 | **Contemporary Trade Directory Entries**<br>Name: Worthing Gunshop<br>Location: 80, Broadwater Street West, Worthing, West Sussex, BN14 9DE<br>Classification: Gunsmiths<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A7SE (SW) | 894 | - | 514440 104609 |
| 158 | **Contemporary Trade Directory Entries**<br>Name: Ace Panels<br>Location: 42, Broadwater Street East, Worthing, West Sussex, BN14 9AD<br>Classification: Car Body Repairs<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SW (S) | 903 | - | 514892 104385 |
| 158 | **Contemporary Trade Directory Entries**<br>Name: F G M Autos Ltd<br>Location: Broadwater Street East, Worthing, West Sussex, BN14 9AD<br>Classification: Garage Services<br>**Status: Active**<br>Positional Accuracy: Manually positioned to the address or location | A8SW (S) | 918 | - | 514898 104369 |
| 159 | **Contemporary Trade Directory Entries**<br>Name: Williams Foto<br>Location: 37, Broadwater Street West, Worthing, West Sussex, BN14 9BY<br>Classification: Photographic Processors<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A7SE (SW) | 927 | - | 514526 104501 |
| 159 | **Contemporary Trade Directory Entries**<br>Name: The Cleaning Wizard<br>Location: 29, Broadwater Street West, Worthing, West Sussex, BN14 9BT<br>Classification: Cleaning Services - Domestic<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A7SE (SW) | 939 | - | 514541 104477 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 160 | **Contemporary Trade Directory Entries**<br>Name: Screwfix Worthing<br>Location: Unit G, Dominion Way West, Worthing, BN14 8NT<br>Classification: Builders' Merchants<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A9SW (SE) | 936 | - | 515541 104415 |
| 161 | **Contemporary Trade Directory Entries**<br>Name: Gas Man<br>Location: Pointers Lodge, Church Lane, Sompting, Lancing, West Sussex, BN15 0BA<br>Classification: Boilers - Servicing, Replacements & Repairs<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A15SW (E) | 940 | - | 516137 105274 |
| 162 | **Contemporary Trade Directory Entries**<br>Name: Halfords Autocentre Worthing<br>Location: 51, Broadwater Street West, Worthing, BN14 9BY<br>Classification: Garage Services<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A7SE (SW) | 942 | - | 514464 104526 |
| 162 | **Contemporary Trade Directory Entries**<br>Name: Delmar<br>Location: 7-11, Ardsheal Road, Worthing, West Sussex, BN14 7RW<br>Classification: Boilers - Servicing, Replacements & Repairs<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A7SW (SW) | 943 | - | 514432 104551 |
| 162 | **Contemporary Trade Directory Entries**<br>Name: P M G Engineering Ltd<br>Location: 66, Rectory Gardens, Worthing, West Sussex, BN14 7TQ<br>Classification: Engineers - General<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A7SE (SW) | 949 | - | 514441 104536 |
| 163 | **Contemporary Trade Directory Entries**<br>Name: Freedom Power Chairs<br>Location: UNIT 7, DOMINION TRADE CENTRE, DOMINION WAY WEST, BROADWATER, WORTHING, BN14 8NT<br>Classification: Disability Equipment - Manufacturers & Suppliers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A9SW (SE) | 945 | - | 515641 104452 |
| 164 | **Contemporary Trade Directory Entries**<br>Name: Capital Construction Services<br>Location: 5, Broadwater Street West, Worthing, West Sussex, BN14 9BT<br>Classification: Engineers - General<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A7SE (SW) | 962 | - | 514577 104430 |
| 164 | **Contemporary Trade Directory Entries**<br>Name: Artifax<br>Location: 5, Broadwater Street West, Worthing, West Sussex, BN14 9BT<br>Classification: T-Shirts<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A7SE (SW) | 962 | - | 514577 104430 |
| 164 | **Contemporary Trade Directory Entries**<br>Name: Hanwells<br>Location: 19-23, Broadwater Street West, Worthing, West Sussex, BN14 9BT<br>Classification: Hardware<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A7SE (SW) | 963 | - | 514542 104448 |
| 165 | **Fuel Station Entries**<br>Name: Downlands Service Station<br>Location: 123, Upper Brighton Road Sompting Road, Sompting , Worthing, West Sussex, BN14 9JN<br>Brand: Esso<br>Premises Type: Not Applicable<br>**Status: Obsolete**<br>Positional Accuracy: Approximate location provided by supplier | A13SW (SW) | 8 | - | 515065 105270 |
| 166 | **Fuel Station Entries**<br>Name: Sainsburys Lyons Farm<br>Location: Lyons Way , Downands Business Park, Worthing, West Sussex, BN14 9LA<br>Brand: Sainsburys<br>Premises Type: Hypermarket<br>**Status: Open**<br>Positional Accuracy: Manually positioned to the address or location | A13SE (SE) | 19 | - | 515176 105262 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 167 | **Fuel Station Entries**<br>Name: Mfg Worthing<br>Location: Sompting Avenue , Sompting , Worthing, West Sussex, BN14 8HP<br>Brand: Shell<br>Premises Type: Petrol Station<br>**Status: Open**<br>Positional Accuracy: Manually positioned to the address or location | A8SW (S) | 911 | - | 515005 104366 |
| 168 | **Fuel Station Entries**<br>Name: Tcs Broadwater<br>Location: 53, Broadwater Street West , , Worthing, West Sussex, BN14 9BY<br>Brand: Obsolete<br>Premises Type: Not Applicable<br>**Status: Obsolete**<br>Positional Accuracy: Approximate location provided by supplier | A7SW (SW) | 960 | - | 514290 104670 |
| 169 | **Points of Interest - Commercial Services**<br>Name: Sainsburys Lyons Farm<br>Location: Lyons Way, Downands Business Park, Worthing, BN14 9LA<br>Category: Personal, Consumer and other Services<br>Class Code: Vehicle Cleaning Services<br>Positional Accuracy: Positioned to address or location | A13SE (SE) | 5 | 10 | 515152 105275 |
| 169 | **Points of Interest - Commercial Services**<br>Name: Car Wash<br>Location: Lyons Way, Downands Business Park, Worthing, West Sussex, BN14 9LA<br>Category: Personal, Consumer and other Services<br>Class Code: Vehicle Cleaning Services<br>Positional Accuracy: Positioned to address or location | A13SE (SE) | 19 | 10 | 515176 105262 |
| 170 | **Points of Interest - Commercial Services**<br>Name: Auto Panels<br>Location: Unit 2, Beeches Avenue, Worthing, BN14 9JF<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A13NW (W) | 91 | 10 | 514936 105398 |
| 170 | **Points of Interest - Commercial Services**<br>Name: Auto Panels<br>Location: Unit 2, Beeches Avenue, Worthing, BN14 9JF<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A13NW (W) | 91 | 10 | 514936 105398 |
| 170 | **Points of Interest - Commercial Services**<br>Name: P Perry<br>Location: Unit 1, Beeches Avenue, Worthing, BN14 9JF<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A13NW (W) | 112 | 10 | 514915 105397 |
| 170 | **Points of Interest - Commercial Services**<br>Name: A V G All Vehicle Glass<br>Location: Unit 1, Beeches Avenue, Worthing, BN14 9JF<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A13NW (W) | 112 | 10 | 514915 105397 |
| 170 | **Points of Interest - Commercial Services**<br>Name: The Full Monty<br>Location: Unit 1, Beeches Avenue, Worthing, BN14 9JF<br>Category: Personal, Consumer and other Services<br>Class Code: Vehicle Cleaning Services<br>Positional Accuracy: Positioned to address or location | A13NW (W) | 112 | 10 | 514915 105397 |
| 171 | **Points of Interest - Commercial Services**<br>Name: Paul Perry Motors<br>Location: 1 Beeches Avenue, Offington, Worthing, BN14 9JE<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A13SW (SW) | 221 | 10 | 514850 105154 |
| 171 | **Points of Interest - Commercial Services**<br>Name: A V G All Vehicle Glass<br>Location: 1 Beeches Avenue, Worthing, BN14 9JE<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A13SW (SW) | 221 | 10 | 514851 105154 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 172 | **Points of Interest - Commercial Services**<br>Name: Towbex<br>Location: 15 The Templars, Worthing, BN14 9JT<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A13SE (SE) | 222 | 10 | 515373 105155 |
| 173 | **Points of Interest - Commercial Services**<br>Name: H Giles & Son<br>Location: 29 Leighton Avenue, Worthing, BN14 8QP<br>Category: Recycling Services<br>Class Code: Scrap Metal Merchants<br>Positional Accuracy: Positioned to address or location | A8NE (SE) | 315 | 10 | 515275 104979 |
| 173 | **Points of Interest - Commercial Services**<br>Name: H Giles & Son<br>Location: 29 Leighton Avenue, Worthing, BN14 8QP<br>Category: Recycling Services<br>Class Code: Scrap Metal Merchants<br>Positional Accuracy: Positioned to address or location | A8NE (SE) | 315 | 10 | 515275 104979 |
| 174 | **Points of Interest - Commercial Services**<br>Name: Aac Auto Electric Services<br>Location: 26 Turner Road, Worthing, BN14 8PZ<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A8NE (SE) | 427 | 10 | 515360 104890 |
| 174 | **Points of Interest - Commercial Services**<br>Name: A A C Auto Electric Services<br>Location: 26 Turner Road, Broadwater, Worthing, BN14 8PZ<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A8NE (SE) | 427 | 10 | 515360 104890 |
| 175 | **Points of Interest - Commercial Services**<br>Name: A J S Autotech<br>Location: Unit 2 20 Northbrook Trading Estate, Northbrook Road, Worthing, BN14 8PN<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A8NE (S) | 566 | 10 | 515253 104720 |
| 175 | **Points of Interest - Commercial Services**<br>Name: Automotion<br>Location: Unit 8 Northbrook Business Park, Northbrook Road, Worthing, BN14 8PQ<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A8NE (S) | 581 | 10 | 515338 104721 |
| 175 | **Points of Interest - Commercial Services**<br>Name: Automotion Garage Services<br>Location: Unit 8, Northbrook Business Park, Broadwater, Worthing, BN14 8PQ<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A8NE (S) | 581 | 10 | 515337 104720 |
| 175 | **Points of Interest - Commercial Services**<br>Name: Alexander<br>Location: Unit 18, Northbrook Business Park, Broadwater, Worthing, BN14 8PQ<br>Category: Transport, Storage and Delivery<br>Class Code: Distribution and Haulage<br>Positional Accuracy: Positioned to address or location | A8NE (S) | 611 | 10 | 515322 104686 |
| 175 | **Points of Interest - Commercial Services**<br>Name: Gsg Cargo Ltd<br>Location: Unit 14, Northbrook Business Pk, Northbrook Rd, Worthing, West Sussex, BN14 8PQ<br>Category: Transport, Storage and Delivery<br>Class Code: Distribution and Haulage<br>Positional Accuracy: Positioned to address or location | A8NE (SE) | 635 | 10 | 515404 104684 |
| 175 | **Points of Interest - Commercial Services**<br>Name: Andy Levin's Service<br>Location: Unit 1 Northbrook Trading Estate 20, Northbrook Road, Broadwater, Worthing, BN14 8PN<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A8SE (SE) | 648 | 10 | 515384 104664 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 175 | **Points of Interest - Commercial Services**<br>Name: Northbrook Bodywork<br>Location: Unit 1 20 Northbrook Trading Estate, Northbrook Road, Worthing, BN14 8PN<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A8SE (SE) | 648 | 10 | 515392 104666 |
| 176 | **Points of Interest - Commercial Services**<br>Name: R S Auto Services<br>Location: 20 Northbrook Trading Estate, Northbrook Road, Worthing, BN14 8PN<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A8SE (SE) | 675 | 10 | 515408 104643 |
| 176 | **Points of Interest - Commercial Services**<br>Name: Northbrook Body Works<br>Location: 20 Northbrook Trading Estate, Northbrook Road, Worthing, BN14 8PN<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A8SE (SE) | 675 | 10 | 515408 104643 |
| 176 | **Points of Interest - Commercial Services**<br>Name: Coastal Cushion Co<br>Location: 3b Southdownview Way, Worthing, BN14 8NL<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A8SE (SE) | 749 | 10 | 515421 104570 |
| 176 | **Points of Interest - Commercial Services**<br>Name: A L S Motors<br>Location: 3f Southdownview Way, Worthing, BN14 8NL<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A8SE (SE) | 751 | 10 | 515431 104571 |
| 176 | **Points of Interest - Commercial Services**<br>Name: R H Smith Ltd<br>Location: 3a Southdownview Way, Broadwater, Worthing, BN14 8NL<br>Category: Contract Services<br>Class Code: Pest and Vermin Control<br>Positional Accuracy: Positioned to address or location | A8SE (SE) | 752 | 10 | 515430 104569 |
| 176 | **Points of Interest - Commercial Services**<br>Name: M N Atterbury Ltd<br>Location: Southdownview Way, Worthing, BN14 8NL<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A8SE (SE) | 756 | 10 | 515432 104566 |
| 176 | **Points of Interest - Commercial Services**<br>Name: R H Smith (Worthing) Ltd<br>Location: Southdownview Way, Worthing, BN14 8NL<br>Category: Contract Services<br>Class Code: Pest and Vermin Control<br>Positional Accuracy: Positioned to address or location | A8SE (SE) | 756 | 10 | 515432 104566 |
| 177 | **Points of Interest - Commercial Services**<br>Name: Yeomans Vauxuhall Worthing<br>Location: Southdownview Way, Broadwater, Worthing, BN14 8NL<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A8SE (S) | 726 | 10 | 515324 104569 |
| 177 | **Points of Interest - Commercial Services**<br>Name: Steeles of Worthing<br>Location: Southdownview Way, Worthing, BN14 8NL<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A8SE (S) | 727 | 10 | 515333 104570 |
| 177 | **Points of Interest - Commercial Services**<br>Name: Elite Garages<br>Location: Southdownview Way, Worthing, BN14 8NL<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A8SE (S) | 761 | 10 | 515276 104526 |
| 177 | **Points of Interest - Commercial Services**<br>Name: Hiq Tyre Services<br>Location: Southdownview Road, Worthing, BN14 8NJ<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A8SE (S) | 762 | 10 | 515275 104525 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 178 | **Points of Interest - Commercial Services**<br>Name: Autoworks<br>Location: 55 Broadwater Way, Worthing, BN14 9LH<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A7SE (SW) | 815 | 10 | 514536 104632 |
| 179 | **Points of Interest - Commercial Services**<br>Name: Fixadent<br>Location: 18 Sompting Road, Worthing, BN14 9EP<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A8SE (S) | 824 | 10 | 515115 104455 |
| 179 | **Points of Interest - Commercial Services**<br>Name: Speed Sure Logistics<br>Location: 264 Dominion Road, Broadwater, Worthing, BN14 8JJ<br>Category: Transport, Storage and Delivery<br>Class Code: Distribution and Haulage<br>Positional Accuracy: Positioned to address or location | A8SE (S) | 884 | 10 | 515146 104396 |
| 180 | **Points of Interest - Commercial Services**<br>Name: Azzono Tech Tuning<br>Location: Sunnycroft, West Street, Sompting, BN15 0AP<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A14SE (E) | 845 | 10 | 516039 105217 |
| 181 | **Points of Interest - Commercial Services**<br>Name: A D Fuels Ltd<br>Location: 109 Broadwater Street East, Gaisford, Worthing, BN14 9AW<br>Category: Transport, Storage and Delivery<br>Class Code: Distribution and Haulage<br>Positional Accuracy: Positioned to address or location | A8SW (S) | 861 | 10 | 514955 104419 |
| 181 | **Points of Interest - Commercial Services**<br>Name: F G M Autos Ltd<br>Location: Broadwater Street East, Worthing, BN14 9AD<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A8SW (S) | 918 | 10 | 514898 104369 |
| 182 | **Points of Interest - Commercial Services**<br>Name: Mfg Worthing<br>Location: Sompting Avenue, Worthing, BN14 8HP<br>Category: Personal, Consumer and other Services<br>Class Code: Vehicle Cleaning Services<br>Positional Accuracy: Positioned to address or location | A8SW (S) | 911 | 10 | 515005 104366 |
| 182 | **Points of Interest - Commercial Services**<br>Name: B P Car Wash<br>Location: Sompting Avenue, Worthing, BN14 8HP<br>Category: Personal, Consumer and other Services<br>Class Code: Vehicle Cleaning Services<br>Positional Accuracy: Positioned to address or location | A8SW (S) | 911 | 10 | 515005 104366 |
| 182 | **Points of Interest - Commercial Services**<br>Name: Car Wash<br>Location: Sompting Avenue, Worthing, BN14 8HP<br>Category: Personal, Consumer and other Services<br>Class Code: Vehicle Cleaning Services<br>Positional Accuracy: Positioned to address or location | A8SW (S) | 911 | 10 | 515005 104366 |
| 183 | **Points of Interest - Commercial Services**<br>Name: Halfords Autocentre<br>Location: 51-53, Broadwater Street West, East Worthing, Worthing, BN14 9BY<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A7SE (SW) | 930 | 10 | 514458 104546 |
| 183 | **Points of Interest - Commercial Services**<br>Name: Nationwide Autocentre<br>Location: 53 Broadwater Street West, Worthing, BN14 9BY<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A7SE (SW) | 940 | 10 | 514452 104539 |
| 183 | **Points of Interest - Commercial Services**<br>Name: Halfords Autocentre<br>Location: 51 Broadwater Street West, Gaisford, Worthing, BN14 9BY<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A7SE (SW) | 942 | 10 | 514464 104526 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 184 | **Points of Interest - Commercial Services**<br>Name: Gleam Clean<br>Location: Unit G, Dominion Way West, Worthing, BN14 8NT<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A9SW (SE) | 935 | 10 | 515541 104415 |
| 185 | **Points of Interest - Manufacturing and Production**<br>Name: Downlands Business Park<br>Location: BN14<br>Category: Industrial Features<br>Class Code: Business Parks and Industrial Estates<br>Positional Accuracy: Positioned to an adjacent address or location | A13NE (NE) | 79 | 10 | 515204 105446 |
| 185 | **Points of Interest - Manufacturing and Production**<br>Name: Downlands Business Park<br>Location: BN14<br>Category: Industrial Features<br>Class Code: Business Parks and Industrial Estates<br>Positional Accuracy: Positioned to an adjacent address or location | A13NE (NE) | 101 | 10 | 515236 105443 |
| 186 | **Points of Interest - Manufacturing and Production**<br>Name: Quarry (Disused)<br>Location: BN14<br>Category: Extractive Industries<br>Class Code: Unspecified Quarries Or Mines<br>Positional Accuracy: Positioned to address or location | A18SW (NW) | 440 | 10 | 514835 105811 |
| 187 | **Points of Interest - Manufacturing and Production**<br>Name: Northbrook Business Park<br>Location: BN14<br>Category: Industrial Features<br>Class Code: Business Parks and Industrial Estates<br>Positional Accuracy: Positioned to an adjacent address or location | A8NE (S) | 591 | 10 | 515263 104696 |
| 188 | **Points of Interest - Manufacturing and Production**<br>Name: Quarry (Disused)<br>Location: BN14<br>Category: Extractive Industries<br>Class Code: Unspecified Quarries Or Mines<br>Positional Accuracy: Positioned to an adjacent address or location | A19SW (NE) | 695 | 10 | 515619 105904 |
| 188 | **Points of Interest - Manufacturing and Production**<br>Name: Quarry (Disused)<br>Location: BN14<br>Category: Extractive Industries<br>Class Code: Unspecified Quarries Or Mines<br>Positional Accuracy: Positioned to address or location | A19SW (NE) | 710 | 10 | 515625 105919 |
| 189 | **Points of Interest - Manufacturing and Production**<br>Name: Works<br>Location: Not Supplied<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location | A9SW (SE) | 827 | 10 | 515680 104616 |
| 189 | **Points of Interest - Manufacturing and Production**<br>Name: Works<br>Location: BN14<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location | A9SW (SE) | 827 | 10 | 515680 104616 |
| 190 | **Points of Interest - Manufacturing and Production**<br>Name: Broadwater Industrial Estate<br>Location: BN14<br>Category: Industrial Features<br>Class Code: Business Parks and Industrial Estates<br>Positional Accuracy: Positioned to an adjacent address or location | A9SW (SE) | 834 | 10 | 515511 104512 |
| 191 | **Points of Interest - Manufacturing and Production**<br>Name: Tank<br>Location: BN14<br>Category: Industrial Features<br>Class Code: Tanks (Generic)<br>Positional Accuracy: Positioned to an adjacent address or location | A11SE (W) | 936 | 10 | 514094 105252 |
| 192 | **Points of Interest - Manufacturing and Production**<br>Name: Industrial Estate<br>Location: BN14<br>Category: Industrial Features<br>Class Code: Business Parks and Industrial Estates<br>Positional Accuracy: Positioned to an adjacent address or location | A9SW (SE) | 940 | 10 | 515561 104418 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 193 | **Points of Interest - Manufacturing and Production**<br>Name: Works<br>Location: BN14<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to address or location | A7SW (SW) | 952 | 10 | 514435 104537 |
| 193 | **Points of Interest - Manufacturing and Production**<br>Name: Works<br>Location: Not Supplied<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location | A7SW (SW) | 956 | 10 | 514430 104536 |
| 194 | **Points of Interest - Public Infrastructure**<br>Name: Sainsbury's Lyons Farm<br>Location: Lyons Way, Downands Business Park, Worthing, BN14 9LA<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location | A13SE (SE) | 19 | 10 | 515176 105262 |
| 194 | **Points of Interest - Public Infrastructure**<br>Name: Sainsbury's Petrol Station<br>Location: Downland Business Park, Worthing, BN14 9LA<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location | A13SE (SE) | 20 | 10 | 515176 105261 |
| 195 | **Points of Interest - Public Infrastructure**<br>Name: Hump It Lump It Dump It<br>Location: 29 Longlands, Worthing, BN14 9NW<br>Category: Infrastructure and Facilities<br>Class Code: Waste Storage, Processing and Disposal<br>Positional Accuracy: Positioned to address or location | A17SE (NW) | 446 | 10 | 514731 105750 |
| 195 | **Points of Interest - Public Infrastructure**<br>Name: Hump It Lump It Dump It<br>Location: 29 Longlands, Worthing, BN14 9NW<br>Category: Infrastructure and Facilities<br>Class Code: Waste Storage, Processing and Disposal<br>Positional Accuracy: Positioned to address or location | A17SE (NW) | 446 | 10 | 514730 105749 |
| 196 | **Points of Interest - Public Infrastructure**<br>Name: Shell<br>Location: Sompting Avenue, Gaisford, Worthing, BN14 8HP<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location | A8SW (S) | 911 | 10 | 515006 104366 |
| 196 | **Points of Interest - Public Infrastructure**<br>Name: Worthing Service Station<br>Location: Sompting, Avenue, Worthing, BN14 8HP<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location | A8SW (S) | 911 | 10 | 515005 104366 |
| 196 | **Points of Interest - Public Infrastructure**<br>Name: Murco Service Station<br>Location: Sompting Avenue, Worthing, BN14 8HP<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location | A8SW (S) | 913 | 10 | 514999 104364 |
| 196 | **Points of Interest - Public Infrastructure**<br>Name: BP Service Station<br>Location: Sompting Avenue, Worthing, BN14 8HP<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location | A8SW (S) | 913 | 10 | 514998 104364 |
| 196 | **Points of Interest - Public Infrastructure**<br>Name: Worthing Murco Service Station<br>Location: Sompting Avenue, Worthing, BN14 8HP<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location | A8SW (S) | 913 | 10 | 514999 104364 |
| 196 | **Points of Interest - Public Infrastructure**<br>Name: Murco Petroleum Ltd<br>Location: Sompting Avenue, Worthing, BN14 8HP<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location | A8SW (S) | 916 | 10 | 515013 104361 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 197 | **Points of Interest - Public Infrastructure**<br>Name: Graveyard<br>Location: BN15<br>Category: Infrastructure and Facilities<br>Class Code: Cemeteries and Crematoria<br>Positional Accuracy: Positioned to an adjacent address or location | A15NW (E) | 985 | 10 | 516135 105590 |
| 198 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A8NE (S) | 497 | 10 | 515128 104782 |
| 198 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Sompting Road, BN14<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A8NE (S) | 497 | 10 | 515128 104782 |
| 199 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: First Avenue, BN14<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to address or location | A12SW (W) | 658 | 10 | 514379 105216 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 200 | **Environmentally Sensitive Areas**<br>Name: South Downs (decommissioned)<br>Multiple Areas: N<br>Total Area (m2): 690432994.81<br>Source: Natural England | A13NW (N) | 18 | 11 | 515086 105439 |
| 201 | **National Parks**<br>Name: South Downs<br>Multiple Area: N<br>Area (m2): 1652679314.3<br>Source: Natural England<br>**Status: Fully Designated - designated as a National Park**<br>Designation Date: 2nd November 2009 | A13NW (N) | 133 | 11 | 515088 105552 |
| 202 | **Nitrate Vulnerable Zones**<br>Name: Sussex Chalk<br>Description: Groundwater<br>Source: Environment Agency, Head Office | A13NE (E) | 0 | 5 | 515158 105355 |

| Agency & Hydrological | Version | Update Cycle |
|---|---|---|
| **Contaminated Land Register Entries and Notices** | | |
| Adur District Council - Environmental Health Department | December 2019 | Annual Rolling Update |
| Arun District Council - Environmental Health Department | December 2019 | Annual Rolling Update |
| Worthing Borough Council - Environmental Health Department | December 2019 | Annual Rolling Update |
| Horsham District Council - Environmental Health Department | February 2015 | Annual Rolling Update |
| Environment Agency - Head Office | June 2020 | Annually |
| **Discharge Consents** | | |
| Environment Agency - Southern Region | January 2023 | Quarterly |
| **Enforcement and Prohibition Notices** | | |
| Environment Agency - Southern Region | March 2013 | |
| **Integrated Pollution Controls** | | |
| Environment Agency - Southern Region | January 2009 | |
| **Integrated Pollution Prevention And Control** | | |
| Environment Agency - South East Region - Solent & South Downs Area | January 2023 | Quarterly |
| Environment Agency - Southern Region | January 2023 | Quarterly |
| **Local Authority Integrated Pollution Prevention And Control** | | |
| Arun District Council - Environmental Health Department | December 2014 | Variable |
| Horsham District Council - Environmental Health Department | June 2015 | Variable |
| Adur District Council - Environmental Health Department | November 2014 | Variable |
| Worthing Borough Council - Environmental Health Department | November 2014 | Variable |
| **Local Authority Pollution Prevention and Controls** | | |
| Arun District Council - Environmental Health Department | December 2014 | Not Applicable |
| Horsham District Council - Environmental Health Department | June 2015 | Annual Rolling Update |
| Worthing Borough Council - Environmental Health Department | November 2014 | Annual Rolling Update |
| Adur District Council - Environmental Health Department | November 2014 | Not Applicable |
| **Local Authority Pollution Prevention and Control Enforcements** | | |
| Arun District Council - Environmental Health Department | December 2014 | Variable |
| Horsham District Council - Environmental Health Department | June 2015 | Variable |
| Adur District Council - Environmental Health Department | November 2014 | Variable |
| Worthing Borough Council - Environmental Health Department | November 2014 | Variable |
| **Nearest Surface Water Feature** | | |
| Ordnance Survey | January 2023 | |
| **Pollution Incidents to Controlled Waters** | | |
| Environment Agency - Southern Region | December 1999 | |
| **Prosecutions Relating to Authorised Processes** | | |
| Environment Agency - Southern Region | July 2015 | |
| **Prosecutions Relating to Controlled Waters** | | |
| Environment Agency - Southern Region | March 2013 | |
| **Registered Radioactive Substances** | | |
| Environment Agency - Southern Region | June 2016 | As notified |
| **River Quality** | | |
| Environment Agency - Head Office | November 2001 | Not Applicable |
| **River Quality Biology Sampling Points** | | |
| Environment Agency - Head Office | April 2012 | |
| **River Quality Chemistry Sampling Points** | | |
| Environment Agency - Head Office | April 2012 | |
| **Substantiated Pollution Incident Register** | | |
| Environment Agency - South East Region - Solent & South Downs Area | January 2023 | Quarterly |
| Environment Agency - Southern Region - Solent and South Downs | January 2023 | Quarterly |
| Environment Agency - Southern Region - Sussex Area | January 2023 | Quarterly |
| **Water Abstractions** | | |
| Environment Agency - Southern Region | January 2023 | Quarterly |

# Data Currency

| Agency & Hydrological | Version | Update Cycle |
|---|---|---|
| **Water Industry Act Referrals**<br>Environment Agency - Southern Region | October 2017 | |
| **Groundwater Vulnerability Map**<br>Environment Agency - Head Office | June 2018 | As notified |
| **Groundwater Vulnerability - Soluble Rock Risk**<br>Environment Agency - Head Office | June 2018 | As notified |
| **Bedrock Aquifer Designations**<br>Environment Agency - Head Office | January 2018 | Annually |
| **Superficial Aquifer Designations**<br>Environment Agency - Head Office | January 2018 | Annually |
| **Source Protection Zones**<br>Environment Agency - Head Office | September 2022 | Bi-Annually |
| **Extreme Flooding from Rivers or Sea without Defences**<br>Environment Agency - Head Office | February 2023 | Quarterly |
| **Flooding from Rivers or Sea without Defences**<br>Environment Agency - Head Office | February 2023 | Quarterly |
| **Areas Benefiting from Flood Defences**<br>Environment Agency - Head Office | February 2023 | Quarterly |
| **Flood Water Storage Areas**<br>Environment Agency - Head Office | February 2023 | Quarterly |
| **Flood Defences**<br>Environment Agency - Head Office | August 2022 | Quarterly |
| **OS Water Network Lines**<br>Ordnance Survey | January 2023 | Quarterly |
| **Surface Water 1 in 30 year Flood Extent**<br>Environment Agency - Head Office | May 2018 | Annually |
| **Surface Water 1 in 100 year Flood Extent**<br>Environment Agency - Head Office | May 2018 | Annually |
| **Surface Water 1 in 1000 year Flood Extent**<br>Environment Agency - Head Office | May 2018 | Annually |
| **Surface Water Suitability**<br>Environment Agency - Head Office | February 2016 | Annually |
| **BGS Groundwater Flooding Susceptibility**<br>British Geological Survey - National Geoscience Information Service | May 2013 | As notified |

| Waste | Version | Update Cycle |
|---|---|---|
| **BGS Recorded Landfill Sites** | | |
| British Geological Survey - National Geoscience Information Service | November 2002 | As notified |
| **Historical Landfill Sites** | | |
| Environment Agency - Head Office | March 2023 | Quarterly |
| **Integrated Pollution Control Registered Waste Sites** | | |
| Environment Agency - Southern Region | January 2009 | Not Applicable |
| **Licensed Waste Management Facilities (Landfill Boundaries)** | | |
| Environment Agency - South East Region - Solent & South Downs Area | January 2023 | Quarterly |
| Environment Agency - Southern Region - Solent and South Downs | January 2023 | Quarterly |
| Environment Agency - Southern Region - Sussex Area | January 2023 | Quarterly |
| **Licensed Waste Management Facilities (Locations)** | | |
| Environment Agency - South East Region - Solent & South Downs Area | January 2023 | Quarterly |
| Environment Agency - Southern Region - Solent and South Downs | January 2023 | Quarterly |
| Environment Agency - Southern Region - Sussex Area | January 2023 | Quarterly |
| **Local Authority Landfill Coverage** | | |
| Adur District Council | February 2003 | Not Applicable |
| Arun District Council - Technical Support Unit | February 2003 | Not Applicable |
| Horsham District Council - Environmental Health Department | February 2003 | Not Applicable |
| West Sussex County Council - Environment & Development | February 2003 | Not Applicable |
| Worthing Borough Council - Planning Department | February 2003 | Not Applicable |
| **Local Authority Recorded Landfill Sites** | | |
| Adur District Council | October 2018 | |
| Arun District Council - Technical Support Unit | October 2018 | |
| Horsham District Council - Environmental Health Department | October 2018 | |
| West Sussex County Council - Environment & Development | October 2018 | |
| Worthing Borough Council - Planning Department | October 2018 | |
| **Potentially Infilled Land (Non-Water)** | | |
| Landmark Information Group Limited | December 1999 | |
| **Potentially Infilled Land (Water)** | | |
| Landmark Information Group Limited | December 1999 | |
| **Registered Landfill Sites** | | |
| Environment Agency - Southern Region - Solent and South Downs | March 2006 | Not Applicable |
| Environment Agency - Southern Region - Sussex Area | March 2006 | Not Applicable |
| **Registered Waste Transfer Sites** | | |
| Environment Agency - Southern Region - Solent and South Downs | April 2018 | |
| Environment Agency - Southern Region - Sussex Area | April 2018 | |
| **Registered Waste Treatment or Disposal Sites** | | |
| Environment Agency - Southern Region - Solent and South Downs | June 2015 | |
| Environment Agency - Southern Region - Sussex Area | June 2015 | |

| Hazardous Substances | Version | Update Cycle |
|---|---|---|
| **Control of Major Accident Hazards Sites (COMAH)** | | |
| Health and Safety Executive | March 2023 | Bi-Annually |
| **Explosive Sites** | | |
| Health and Safety Executive | March 2017 | Annually |
| **Notification of Installations Handling Hazardous Substances (NIHHS)** | | |
| Health and Safety Executive | August 2001 | |
| **Planning Hazardous Substance Enforcements** | | |
| Horsham District Council - Planning Department | August 2015 | Variable |
| Adur District Council | February 2016 | Variable |
| Arun District Council - Technical Support Unit | February 2016 | Variable |
| Worthing Borough Council - Planning Department | February 2016 | Variable |
| West Sussex County Council - Environment & Development | October 2006 | Annual Rolling Update |
| **Planning Hazardous Substance Consents** | | |
| Horsham District Council - Planning Department | August 2015 | Variable |
| Adur District Council | February 2016 | Variable |
| Arun District Council - Technical Support Unit | February 2016 | Variable |
| Worthing Borough Council - Planning Department | February 2016 | Variable |
| West Sussex County Council - Environment & Development | October 2006 | Annual Rolling Update |

| Geological | Version | Update Cycle |
|---|---|---|
| **BGS 1:625,000 Solid Geology** | | |
| British Geological Survey - National Geoscience Information Service | January 2009 | As notified |
| **BGS Estimated Soil Chemistry** | | |
| British Geological Survey - National Geoscience Information Service | December 2015 | As notified |
| **BGS Recorded Mineral Sites** | | |
| British Geological Survey - National Geoscience Information Service | November 2022 | Bi-Annually |
| **CBSCB Compensation District** | | |
| Cheshire Brine Subsidence Compensation Board (CBSCB) | August 2011 | |
| Cheshire Brine Subsidence Compensation Board (CBSCB) | November 2020 | As notified |
| **Coal Mining Affected Areas** | | |
| The Coal Authority - Property Searches | February 2023 | Annual Rolling Update |
| **Mining Instability** | | |
| Ove Arup & Partners | June 1998 | Not Applicable |
| **Non Coal Mining Areas of Great Britain** | | |
| British Geological Survey - National Geoscience Information Service | May 2015 | Not Applicable |
| **Potential for Collapsible Ground Stability Hazards** | | |
| British Geological Survey - National Geoscience Information Service | April 2020 | As notified |
| **Potential for Compressible Ground Stability Hazards** | | |
| British Geological Survey - National Geoscience Information Service | January 2019 | As notified |
| **Potential for Ground Dissolution Stability Hazards** | | |
| British Geological Survey - National Geoscience Information Service | January 2019 | As notified |
| **Potential for Landslide Ground Stability Hazards** | | |
| British Geological Survey - National Geoscience Information Service | January 2019 | As notified |
| **Potential for Running Sand Ground Stability Hazards** | | |
| British Geological Survey - National Geoscience Information Service | January 2019 | As notified |
| **Potential for Shrinking or Swelling Clay Ground Stability Hazards** | | |
| British Geological Survey - National Geoscience Information Service | January 2019 | As notified |
| **Radon Potential - Radon Affected Areas** | | |
| British Geological Survey - National Geoscience Information Service | September 2022 | Annually |
| **Radon Potential - Radon Protection Measures** | | |
| British Geological Survey - National Geoscience Information Service | September 2022 | Annually |

| Industrial Land Use | Version | Update Cycle |
|---|---|---|
| **Contemporary Trade Directory Entries**<br>Thomson Directories | January 2023 | Quarterly |
| **Fuel Station Entries**<br>Catalist Ltd - Experian | February 2023 | Quarterly |
| **Gas Pipelines**<br>National Grid | October 2021 | Bi-Annually |
| **Points of Interest - Commercial Services**<br>PointX | March 2023 | Quarterly |
| **Points of Interest - Education and Health**<br>PointX | March 2023 | Quarterly |
| **Points of Interest - Manufacturing and Production**<br>PointX | March 2023 | Quarterly |
| **Points of Interest - Public Infrastructure**<br>PointX | March 2023 | Quarterly |
| **Points of Interest - Recreational and Environmental**<br>PointX | March 2023 | Quarterly |
| **Underground Electrical Cables**<br>National Grid | February 2023 | Bi-Annually |

| Sensitive Land Use | Version | Update Cycle |
|---|---|---|
| **Ancient Woodland** | | |
| Natural England | February 2021 | Bi-Annually |
| **Areas of Adopted Green Belt** | | |
| Adur District Council | July 2022 | Quarterly |
| Arun District Council - Technical Support Unit | July 2022 | Quarterly |
| Horsham District Council - Planning Department | July 2022 | Quarterly |
| South Downs National Park | July 2022 | Quarterly |
| Worthing Borough Council | July 2022 | Quarterly |
| **Areas of Unadopted Green Belt** | | |
| Adur District Council | July 2022 | Quarterly |
| Arun District Council - Technical Support Unit | July 2022 | Quarterly |
| Horsham District Council - Planning Department | July 2022 | Quarterly |
| South Downs National Park | July 2022 | Quarterly |
| Worthing Borough Council | July 2022 | Quarterly |
| **Areas of Outstanding Natural Beauty** | | |
| Natural England | August 2022 | Bi-Annually |
| **Environmentally Sensitive Areas** | | |
| Natural England | January 2017 | |
| **Forest Parks** | | |
| Forestry Commission | April 1997 | Not Applicable |
| **Local Nature Reserves** | | |
| Natural England | February 2021 | Bi-Annually |
| **Marine Nature Reserves** | | |
| Natural England | April 2023 | Bi-Annually |
| **National Nature Reserves** | | |
| Natural England | February 2023 | Bi-Annually |
| **National Parks** | | |
| Natural England | February 2018 | Bi-Annually |
| **Nitrate Sensitive Areas** | | |
| Natural England | April 2023 | Not Applicable |
| **Nitrate Vulnerable Zones** | | |
| Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) | April 2016 | |
| Environment Agency - Head Office | March 2023 | Bi-Annually |
| **Ramsar Sites** | | |
| Natural England | March 2023 | Bi-Annually |
| **Sites of Special Scientific Interest** | | |
| Natural England | February 2021 | Bi-Annually |
| **Special Areas of Conservation** | | |
| Natural England | July 2020 | Bi-Annually |
| **Special Protection Areas** | | |
| Natural England | February 2021 | Bi-Annually |

# Data Suppliers

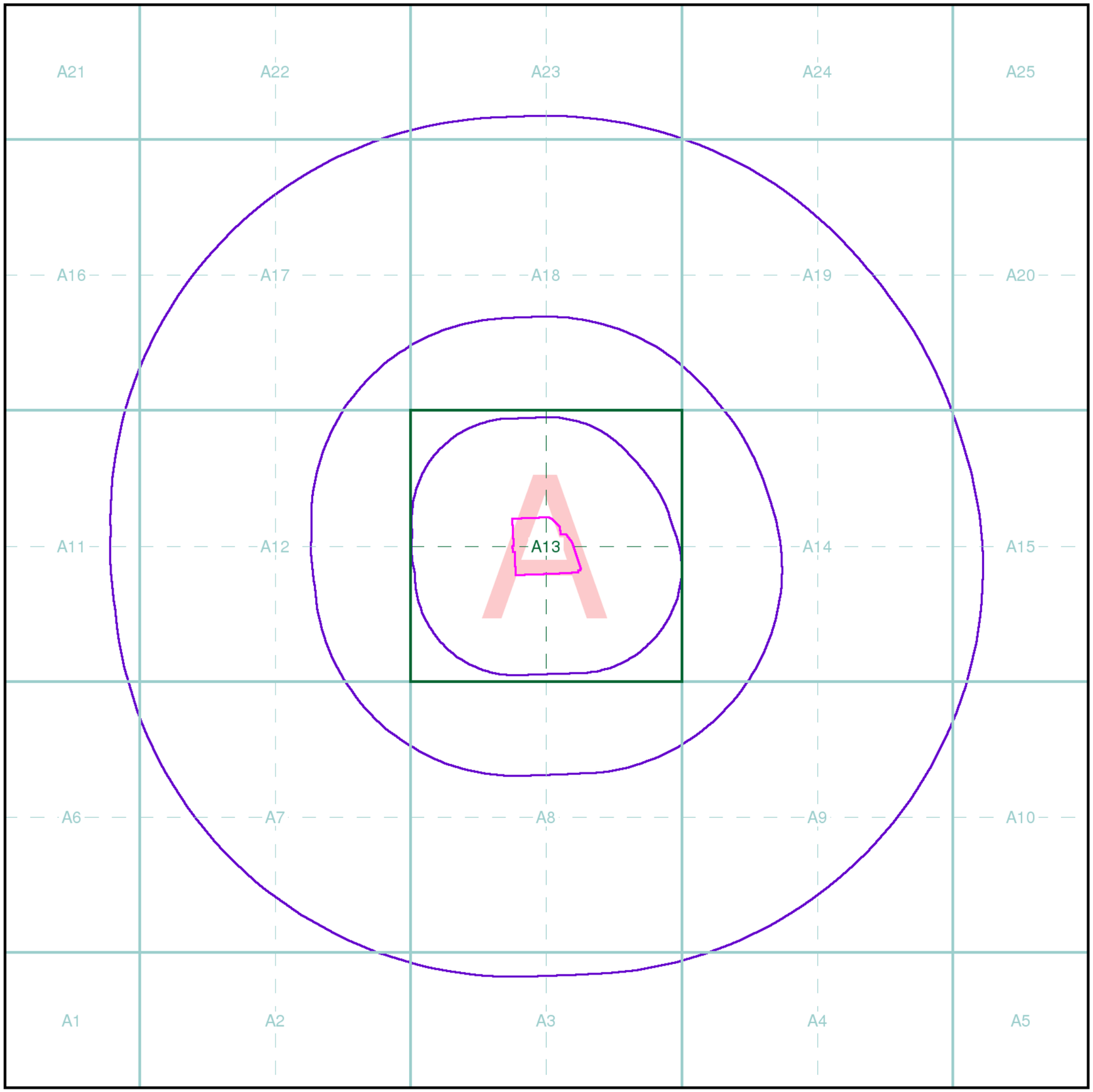
A selection of organisations who provide data within this report

| Data Supplier | Data Supplier Logo |
|---|---|
| **Ordnance Survey** | |
| **Environment Agency** | |
| **Scottish Environment Protection Agency** | |
| **The Coal Authority** | |
| **British Geological Survey** | |
| **Centre for Ecology and Hydrology** | |
| **Natural Resources Wales** | |
| **Scottish Natural Heritage** | |
| **Natural England** | |
| **Public Health England** | |
| **Ove Arup** | |
| **Stantec UK Ltd** | |

# Useful Contacts

| Contact | Name and Address | Contact Details |
|---|---|---|
| 1 | **British Geological Survey - Enquiry Service**<br>British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG | Telephone: 0115 936 3143<br>Fax: 0115 936 3276<br>Email: enquiries@bgs.ac.uk<br>Website: www.bgs.ac.uk |
| 2 | **Environment Agency - National Customer Contact Centre (NCCC)**<br>PO Box 544, Templeborough, Rotherham, S60 1BY | Telephone: 03708 506 506<br>Email: enquiries@environment-agency.gov.uk |
| 3 | **Worthing Borough Council - Environmental Health Department**<br>Portland House, Richmond Road, Worthing, West Sussex, BN11 1HS | Telephone: 01903 239999 extn 2488<br>Fax: 01903 207365<br>Website: www.worthing.gov.uk |
| 4 | **Adur District Council - Environmental Health Department**<br>Room 115, Civic Centre, Ham Road, Shoreham By Sea, West Sussex, BN43 6PR | Telephone: 01273 263000<br>Fax: 01273 454847<br>Email: Info@adurdc.gov.uk<br>Website: www.adur.gov.uk |
| 5 | **Environment Agency - Head Office**<br>Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD | Telephone: 01454 624400<br>Fax: 01454 624409 |
| 6 | **Ordnance Survey**<br>Adanac Drive, Southampton, Hampshire, SO16 0AS | Telephone: 03456 05 05 05<br>Email: customerservices@ordnancesurvey.co.uk<br>Website: www.ordnancesurvey.gov.uk |
| 7 | **Worthing Borough Council - Planning Department**<br>Portland House, Richmond Road, Worthing, West Sussex, BN11 1HA | Telephone: 01903 239999<br>Fax: 01903 207365<br>Website: www.worthing.gov.uk |
| 8 | **West Sussex County Council - Environment & Development**<br>County Hall, Tower hall, Chichester, West Sussex, PO19 1RH | Telephone: 01243 777100<br>Website: www.westsussex.gov.uk |
| 9 | **Adur District Council**<br>Civic Centre, Ham Road, Shoreham By Sea, West Sussex, BN43 6PR | Telephone: 01273 263000<br>Fax: 01273 454847<br>Email: info@adur.gov.uk<br>Website: www.adur.gov.uk |
| 10 | **PointX**<br>7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY | Website: www.pointx.co.uk |
| 11 | **Natural England**<br>County Hall, Spetchley Road, Worcester, WR5 2NP | Telephone: 0300 060 3900<br>Email: enquiries@naturalengland.org.uk<br>Website: www.naturalengland.org.uk |
| - | **Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards**<br>Chilton, Didcot, Oxfordshire, OX11 0RQ | Telephone: 01235 822622<br>Fax: 01235 833891<br>Email: radon@phe.gov.uk<br>Website: www.ukradon.org |
| - | **Landmark Information Group Limited**<br>Imperium, Imperial Way, Reading, Berkshire, RG2 0TD | Telephone: 0844 844 9952<br>Fax: 0844 844 9951<br>Email: customerservices@landmarkinfo.co.uk<br>Website: www.landmarkinfo.co.uk |

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




## Index Map

For ease of identification, your site and buffer have been split into Slices, Segments and Quadrants. These are illustrated on the Index Map opposite and explained further below.

**Slice**
Each slice represents a 1:10,000 plot area (2.7km x 2.7km) for your site and buffer. A large site and buffer may be made up of several slices (represented by a red outline), that are referenced by letters of the alphabet, starting from the bottom left corner of the slice "grid". This grid does not relate to National Grid lines but is designed to give best fit over the site and buffer.

**Segment**
A segment represents a 1:2,500 plot area. Segments that have plot files associated with them are shown in dark green, others in light blue. These are numbered from the bottom left hand corner within each slice.

**Quadrant**
A quadrant is a quarter of a segment. These are labelled as NW, NE, SW, SE and are referenced in the datasheet to allow features to be quickly located on plots. Therefore a feature that has a quadrant reference of A7NW will be in Slice A, Segment 7 and the NW Quadrant.

A selection of organisations who provide data within this report:

Map data
British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL
Environment Agency
NATURAL ENGLAND

Envirocheck reports are compiled from 136 different sources of data.

## Prepared For

Wells
BA5 1UH

## Client Details

Mr T ., Tweedie Evans Consulting Ltd, The Old Chapel, 35a Southover, Wells, Somerset, BA5 1UH

## Order Details

| | |
|---|---|
| Order Number: | 309737039_1_1 |
| Customer Ref: | 2303011 - Lyons Farm, Worthing |
| National Grid Reference: | 515100, 105340 |
| Site Area (Ha): | 1.96 |
| Search Buffer (m): | 1000 |

## Site Details

Sainsburys Supermarkets Ltd, Downland Business Park, Lyons Way, WORTHING, BN14 9LA

**Full Terms and Conditions can be found on the following link:**
http://www.landmarkinfo.co.uk/Terms/Show/515

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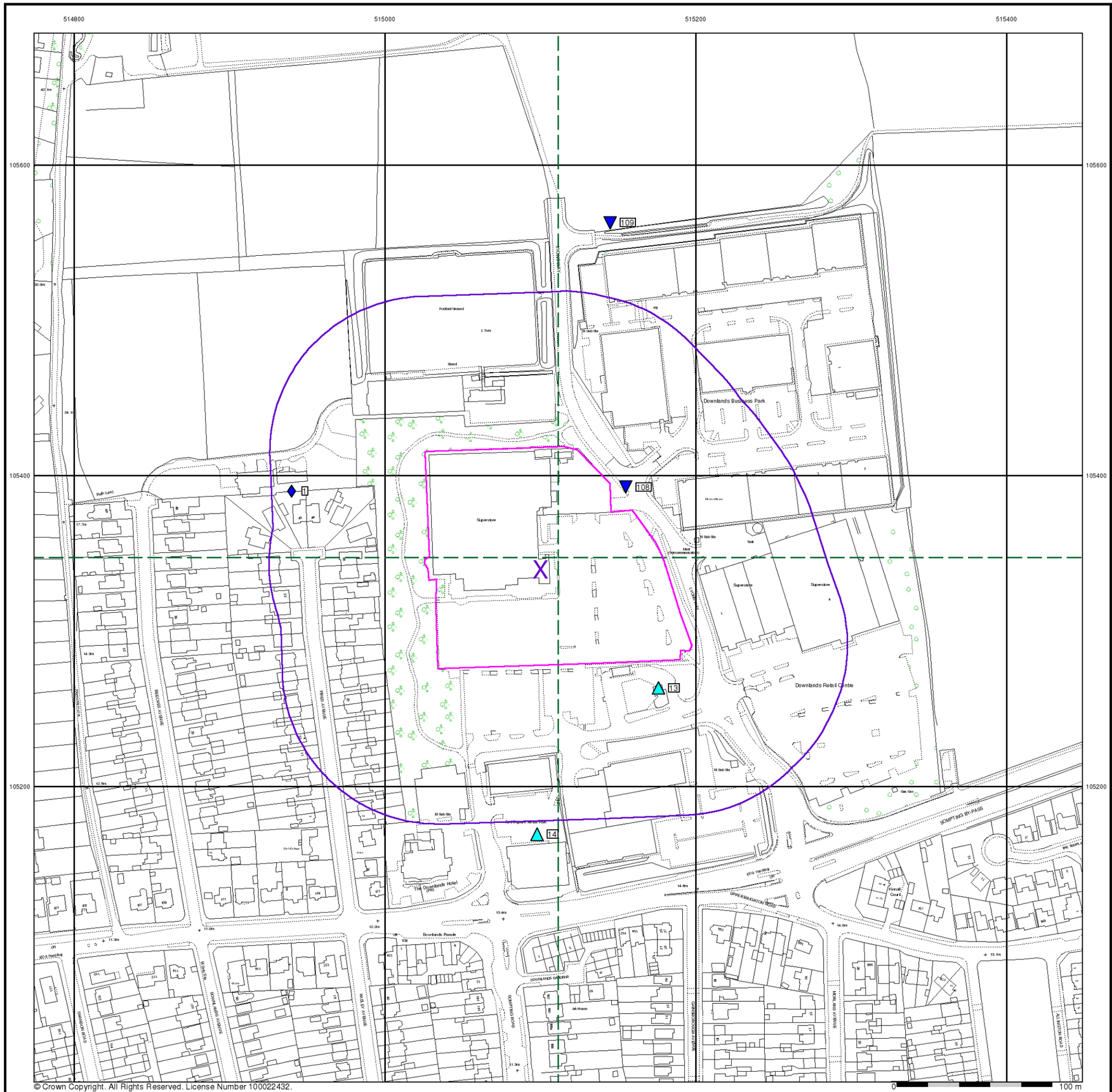


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## General

Specified Site
Specified Buffer(s)
Bearing Reference Point
Map ID
Several of Type at Location
Pylon
Overhead Transmission Line

## 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

## Hazardous Substances

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

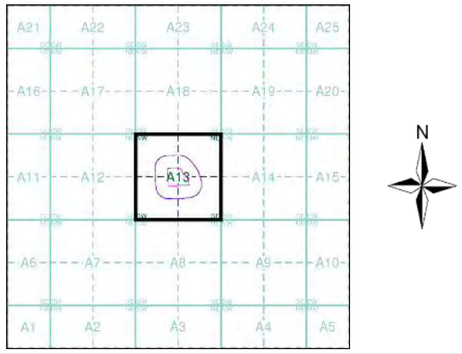
## Geological

- BGS Recorded Mineral Site

## 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
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- 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

## Site Sensitivity Map - Segment A13

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| National Grid Reference: | 515100, 105340 |
| Slice: | A |
| Site Area (Ha): | 1.96 |
| Plot Buffer (m): | 100 |

## Site Details

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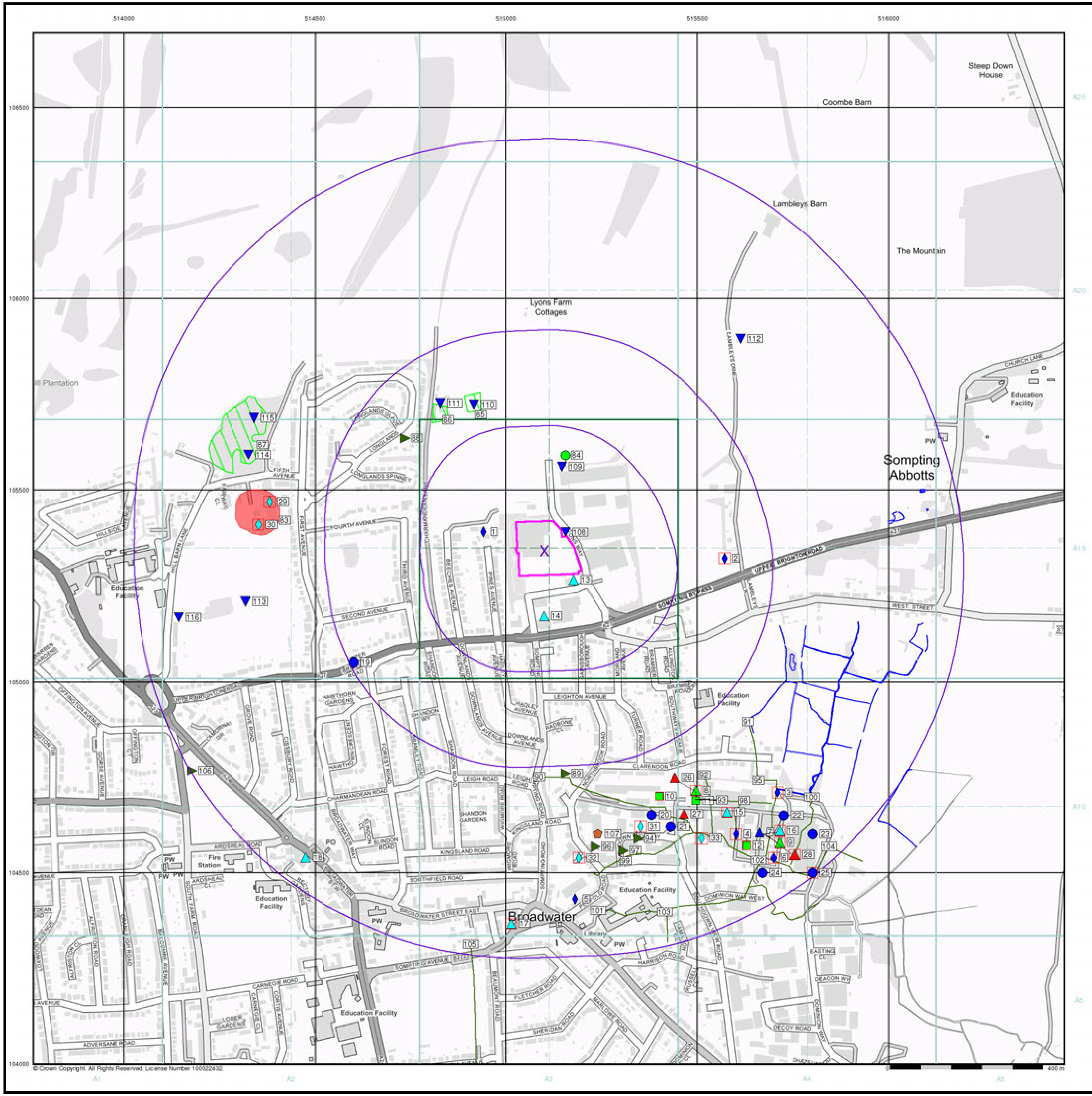


## General

- 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
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- 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
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- Water Abstraction
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## Hazardous Substances

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- Planning Hazardous Substance Enforcement

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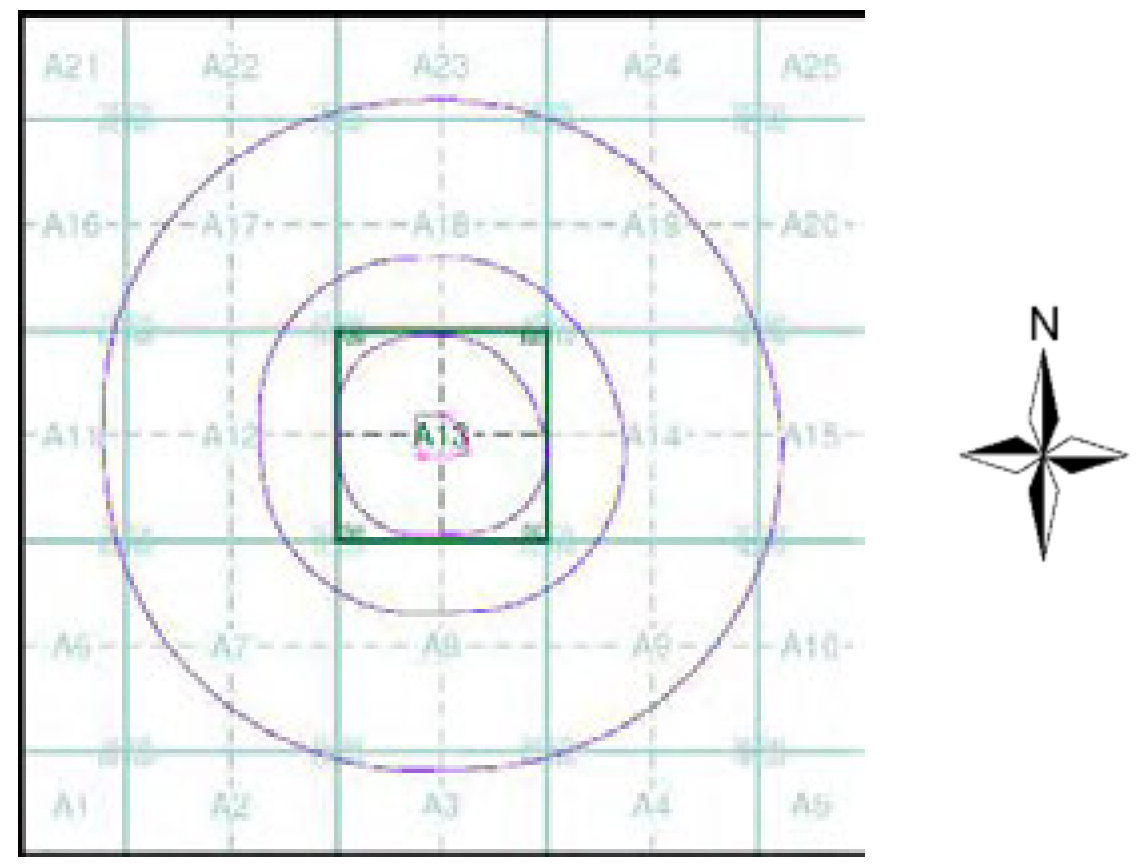
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

# Site Sensitivity Map - Slice A




## Order Details

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| National Grid Reference: | 515100, 105340 |
| Slice: | A |
| Site Area (Ha): | 1.96 |
| Search Buffer (m): | 1000 |

## Site Details

Sainsburys Supermarkets Ltd, Downland Business Park, Lyons Way, WORTHING, BN14 9LA


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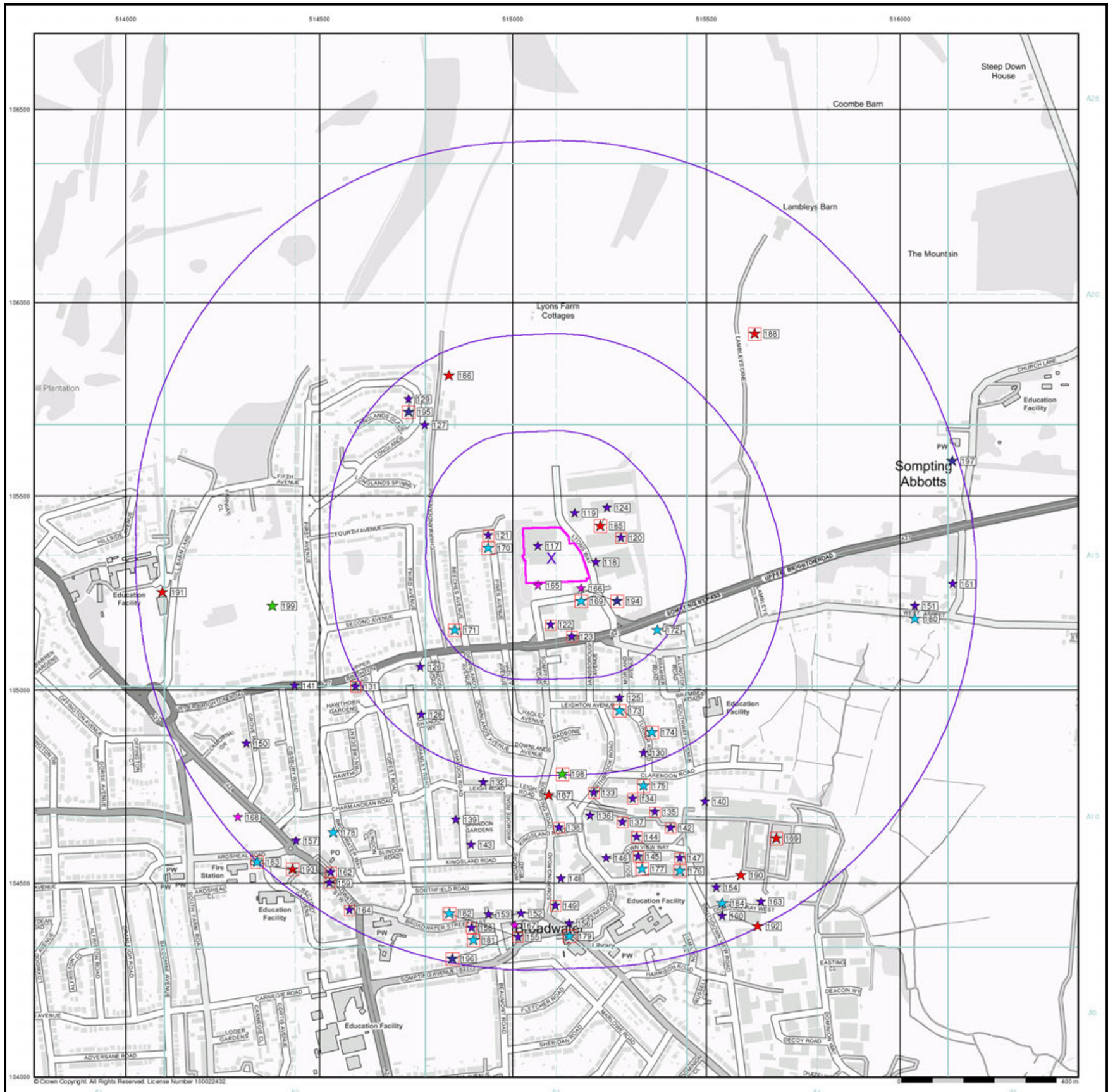
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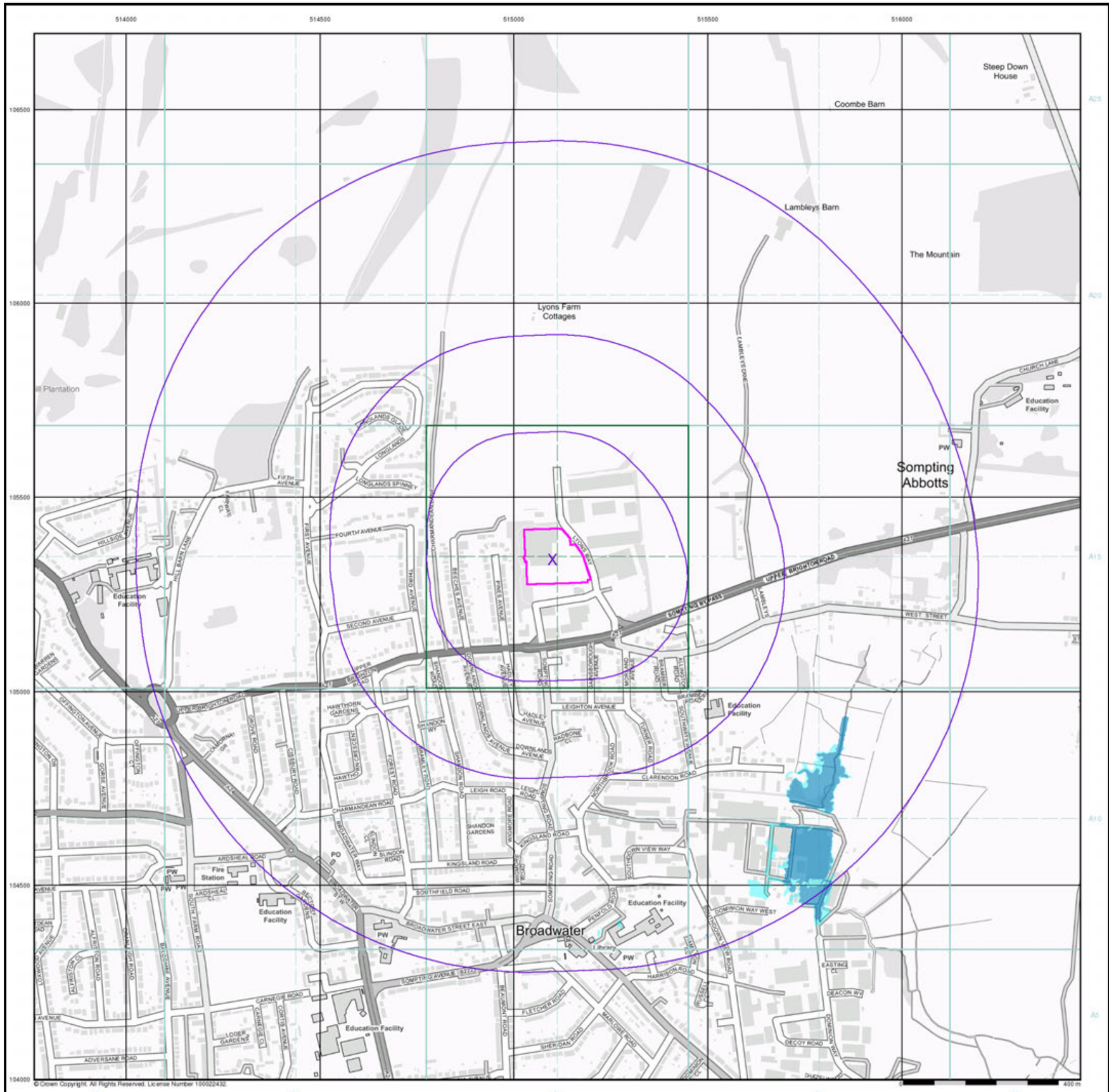
515000
515500
516000
106500
106000
105500
105000
104500
104000
Steep Down House
Coombe Barn
Lambleys Barn
The Mountain
Lyons Farm Cottages
Plantation
Sompting Abbotts
Education Facility
Fire Station
PW
PO
Library
Education Facility
Education Facility
Education Facility

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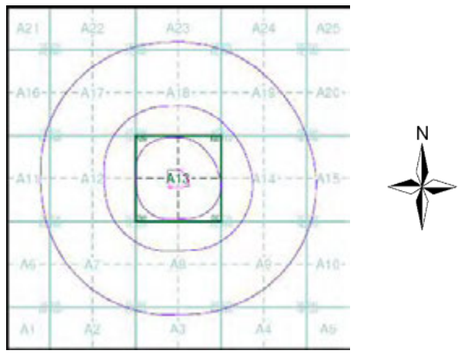
## General

- Specified Site
- Specified Buffer(s)
- X 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

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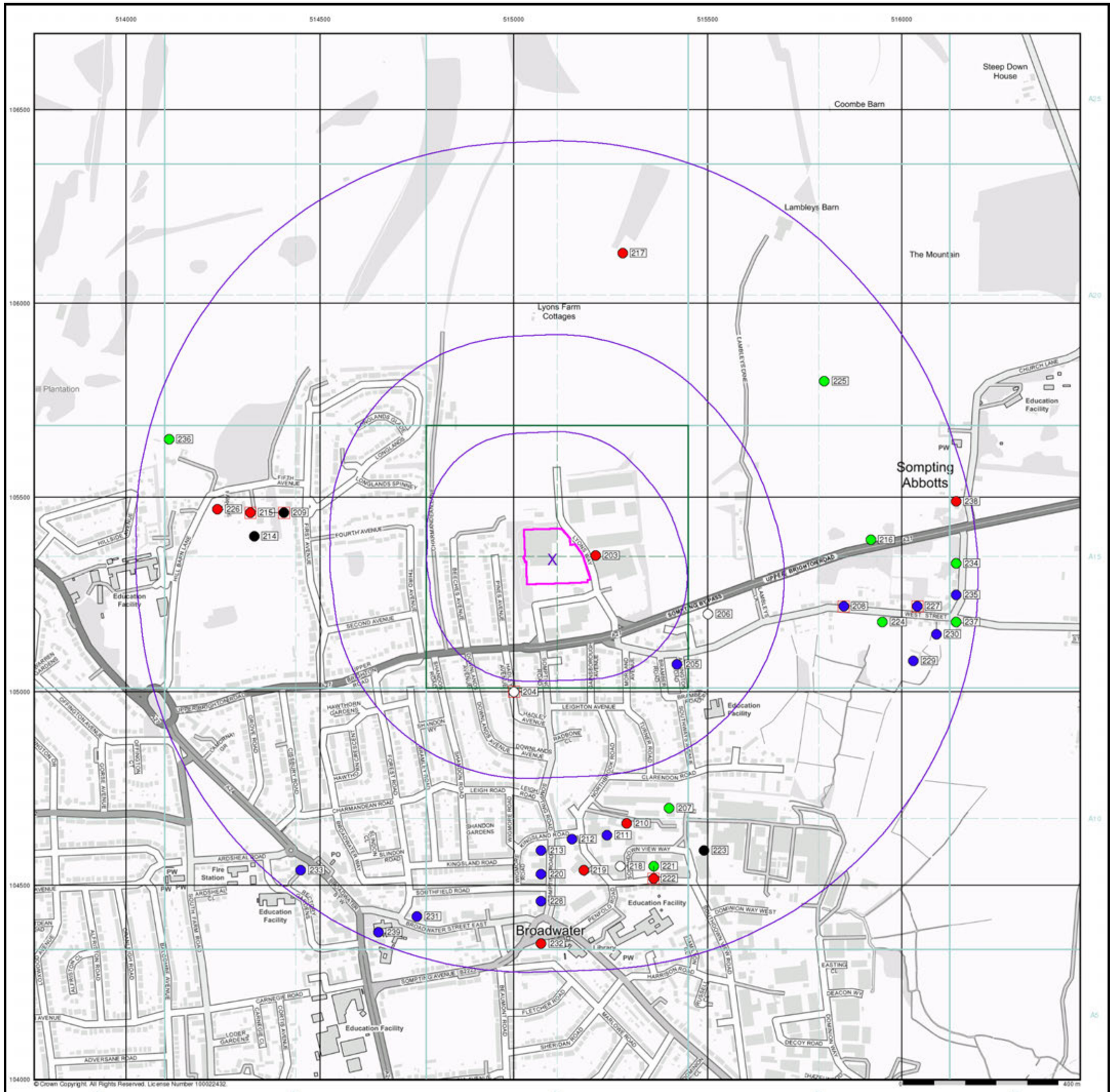



## General

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

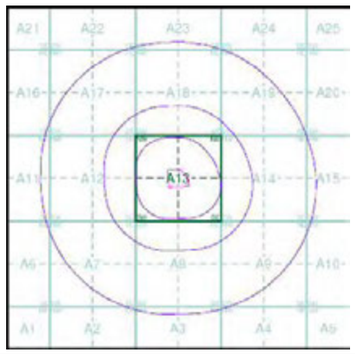
## Agency and Hydrological (Boreholes)

- 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.

## Borehole Map - Slice A

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## Site Details

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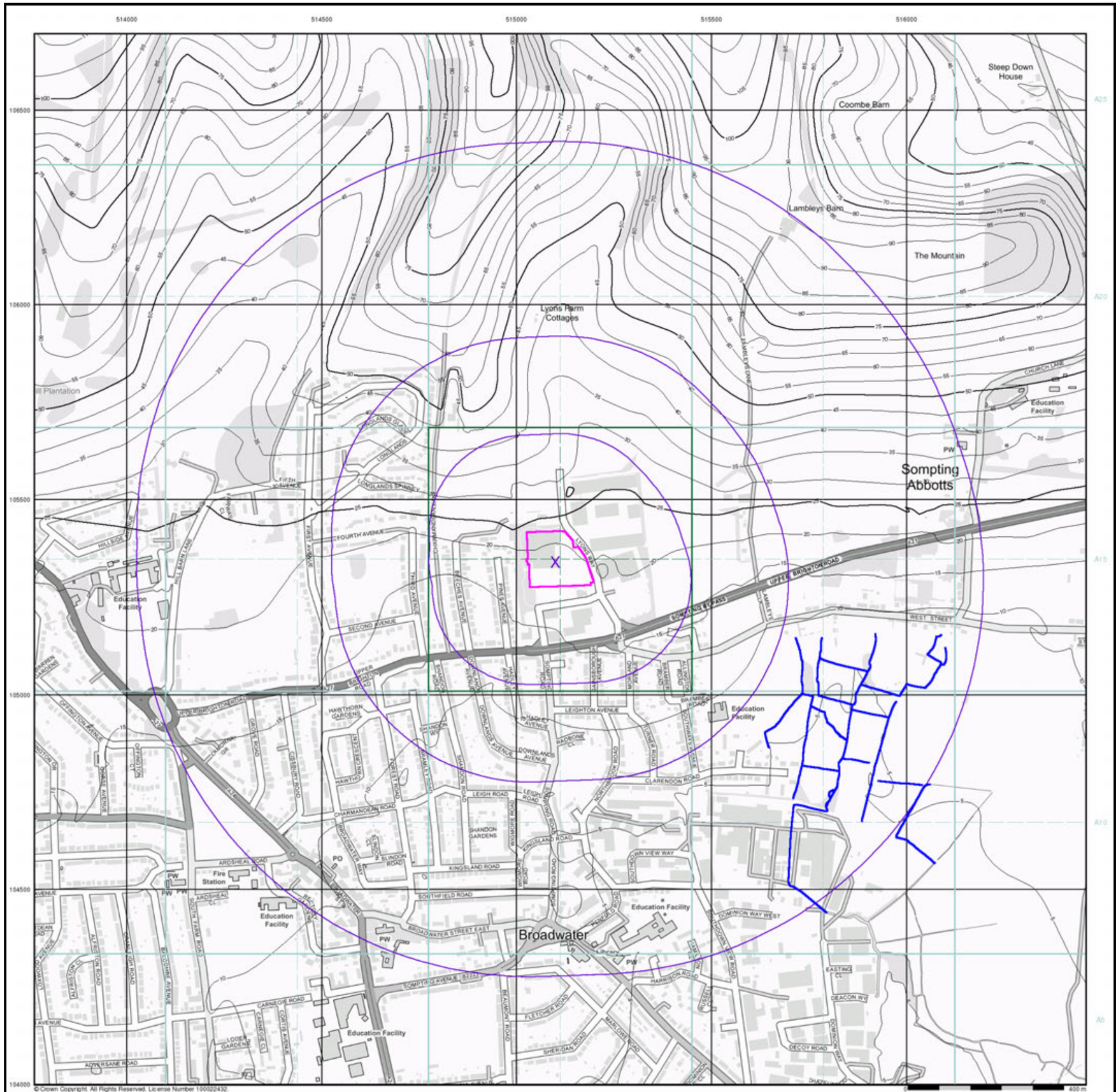



## General

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

## OS Water Network Data

- Canal
- Reservoir
- Foreshore
- Marsh
- Tidal River
- Inland River
- Drain
- Other
- Lake
- Transfer
- Lock Or Flight Of Locks
- Sea

## Contours (height in meters)

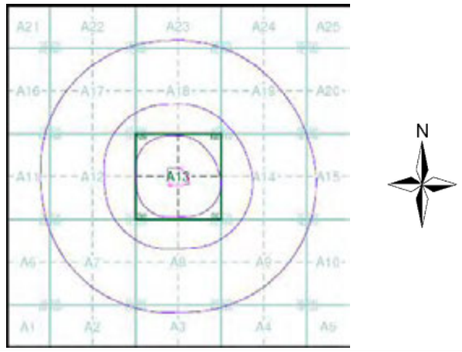
Standard Contour 105 100 95

Master Contour

Spot Height 167.3

- MLW Mean Low Water
- MHW Mean High Water

## OS Water Network Map - Slice A

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## Site Details

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## General

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

## Risk of Flooding from Surface Water

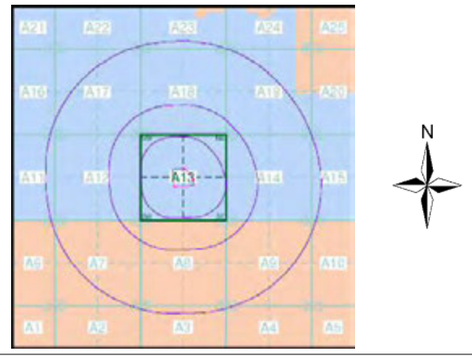
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

## Suitability

See the suitability map below

- National to county
- County to town
- Town to street
- Street to parcels of land
- Property

## EA/NRW Suitability Map - Slice A

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## Site Details

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Tel: 0844 844 9952
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## General

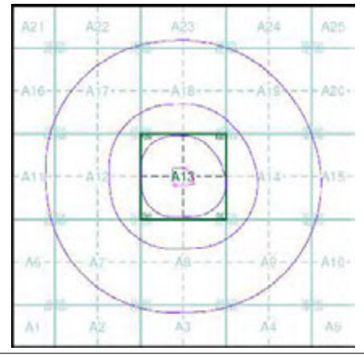
Specified Site | Specified Buffer(s) | X Bearing Reference Point

## Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg

- < 15
- 15 - 25
- 25 - 35
- 35 - 45
- 45 - 60
- 60 - 120
- > 120

## Estimated Soil Chemistry Arsenic - Slice A

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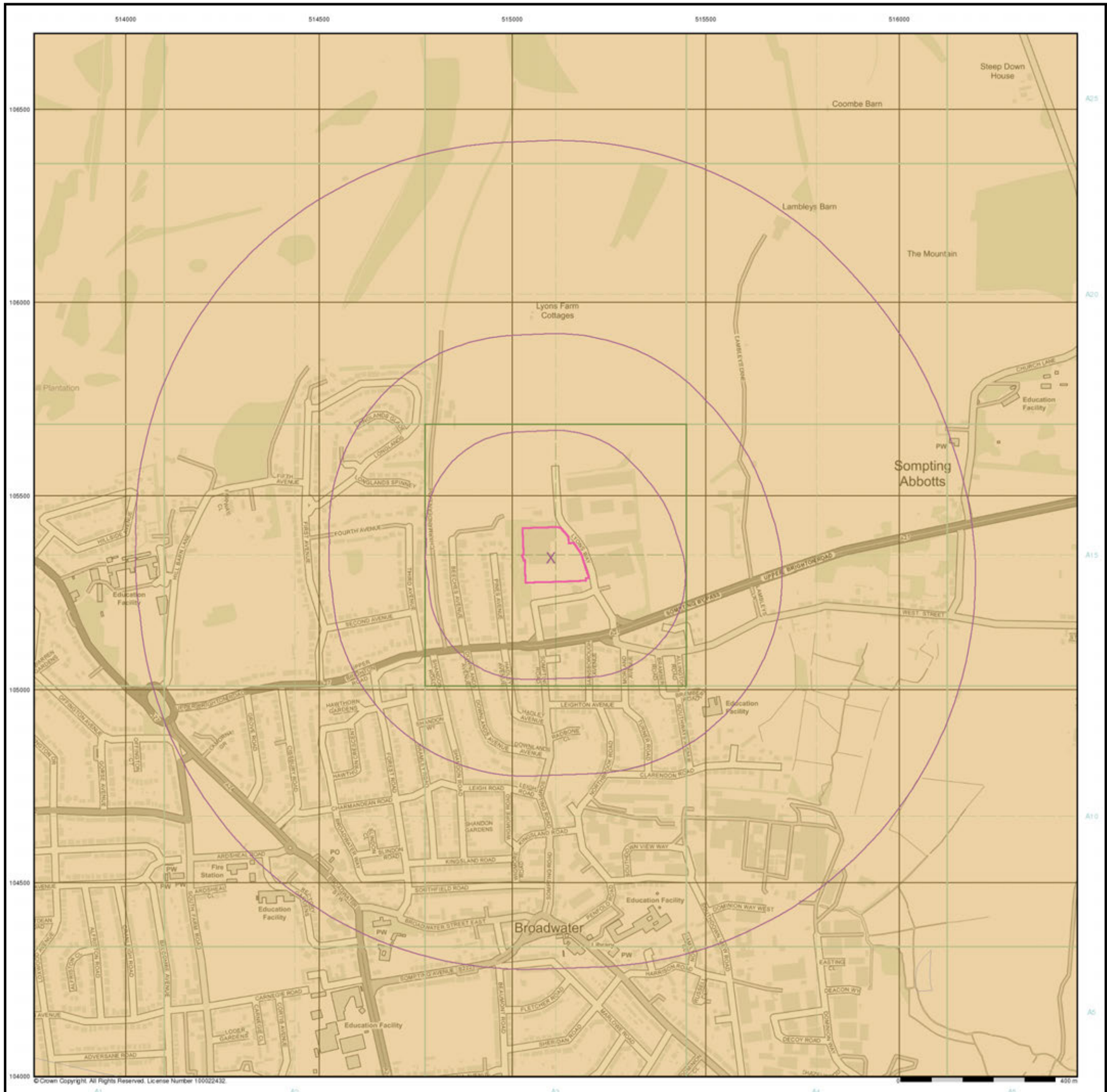


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## General

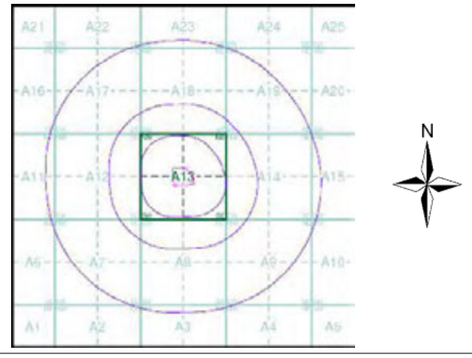
Specified Site | Specified Buffer(s) | X Bearing Reference Point

## Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg

- < 1.8
- 1.8 - 2.2
- 2.2 - 3.0
- > 3.0

## Estimated Soil Chemistry Cadmium - Slice A

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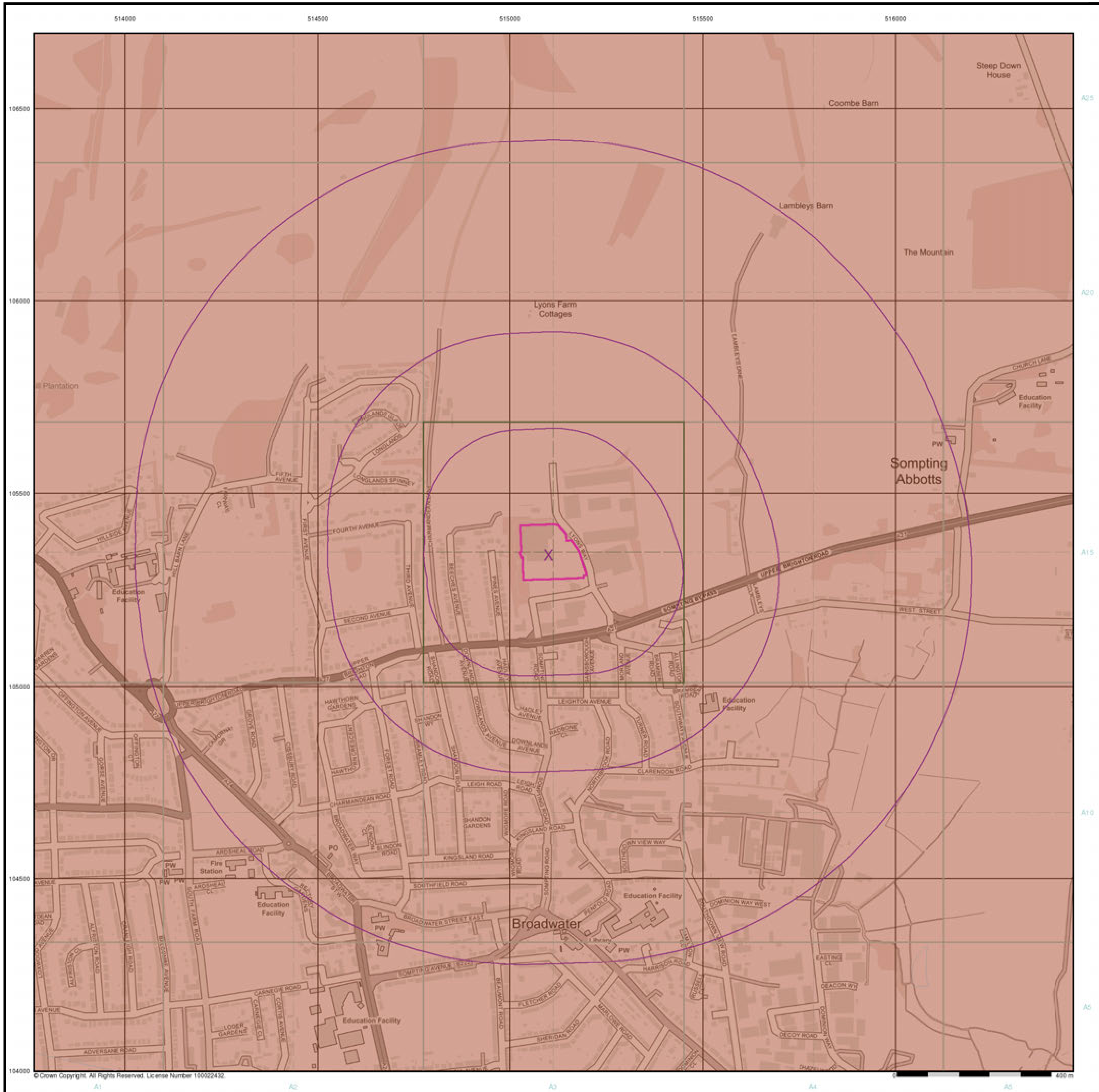



General

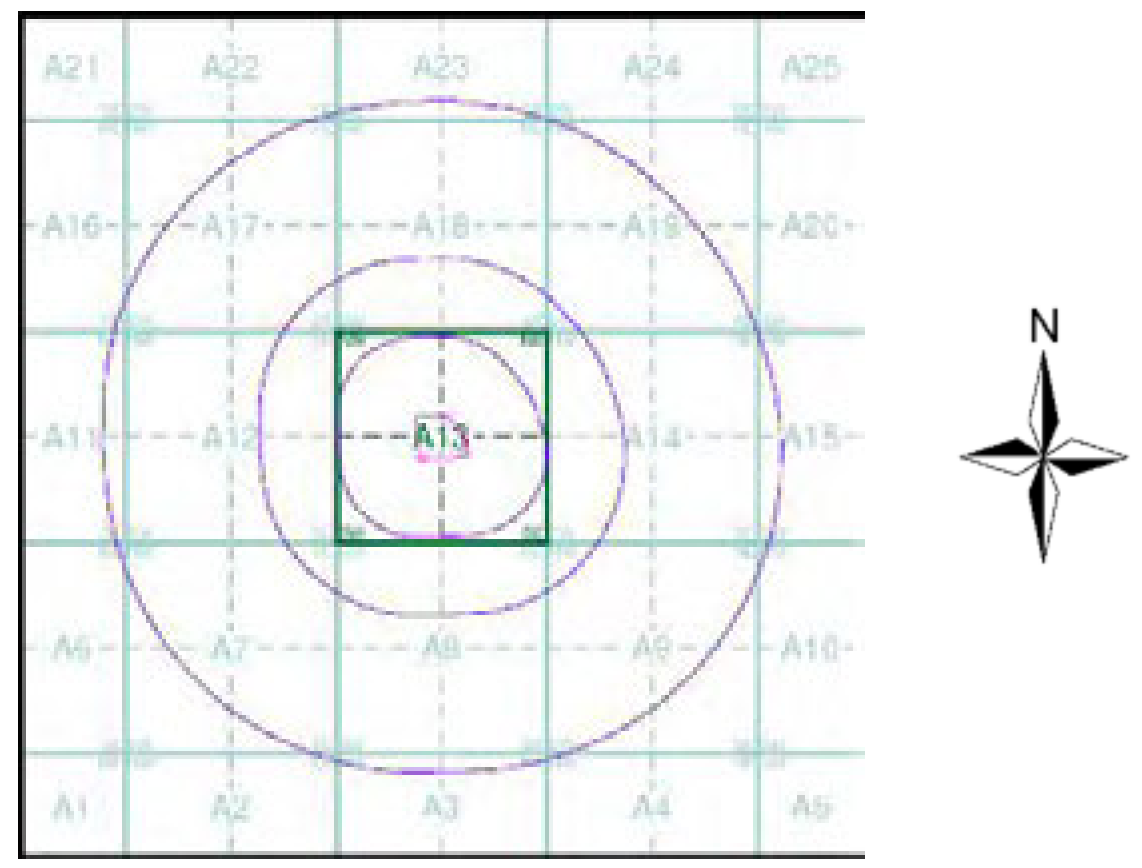
Specified Site    Specified Buffer(s)    X Bearing Reference Point

## Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg

- < 20
- 20 - 40
- 40 - 60
- 60 - 90
- 90 - 120
- 120 - 180
- > 180

## Estimated Soil Chemistry Chromium - Slice A




## Order Details

Order Details: 309737039_1_1
Customer Ref: 2303011 - Lyons Farm, Worthing
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Slice: A
Site Area (Ha): 1.96
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## General

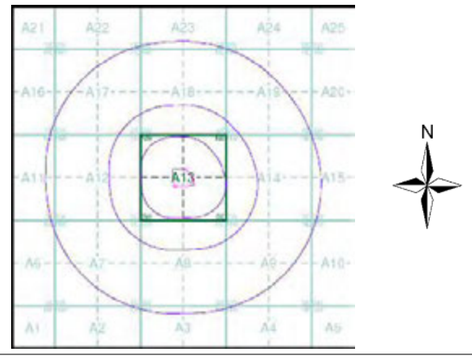
Specified Site | Specified Buffer(s) | X Bearing Reference Point

## Estimated Soil Chemistry Lead

Lead Concentrations mg/kg

- <100 mg/kg
- 100 - 200
- 200 - 300
- 300 - 600
- 600 - 1200
- >1200

## Estimated Soil Chemistry Lead - Slice A

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Web: www.envirocheck.co.uk




## General

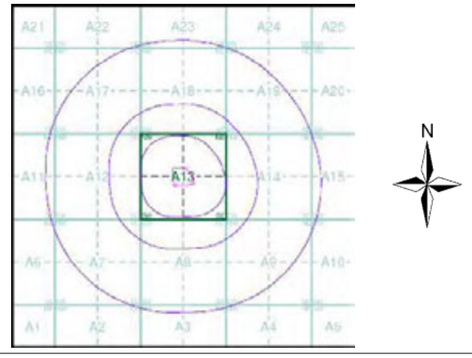
Specified Site | Specified Buffer(s) | X Bearing Reference Point

## Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg

- < 15
- 15 - 30
- 30 - 45
- 45 - 60
- 60 - 80
- 80 - 100
- > 100

## Estimated Soil Chemistry Nickel - Slice A

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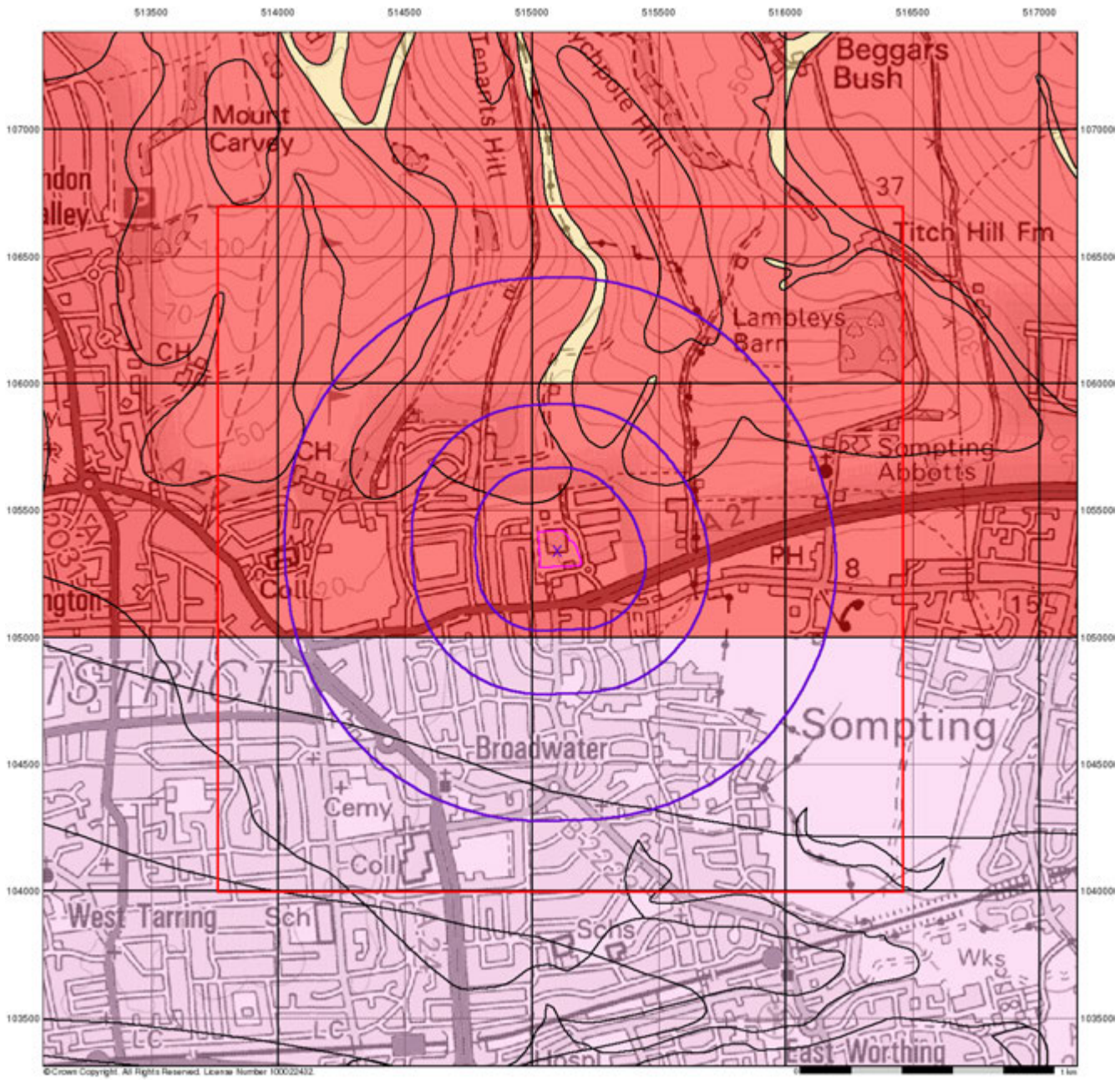



# Groundwater Vulnerability

## General

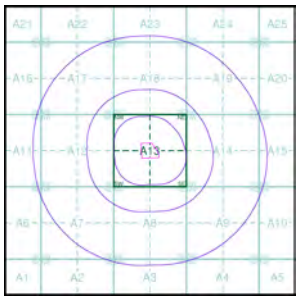
Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

## Agency and Hydrological

| Bedrock Aquifers | Superficial Aquifers |
|---|---|
| High Vulnerability, Principal Aquifer | High Vulnerability, Principal Aquifer |
| High Vulnerability, Secondary Aquifer | High Vulnerability, Secondary Aquifer |
| Medium Vulnerability, Principal Aquifer | Medium Vulnerability, Principal Aquifer |
| Medium Vulnerability, Secondary Aquifer | Medium Vulnerability, Secondary Aquifer |
| Low Vulnerability, Principal Aquifer | Low Vulnerability, Principal Aquifer |
| Low Vulnerability, Secondary Aquifer | Low Vulnerability, Secondary Aquifer |

Unproductive Aquifer
Soluble Rock

## Site Sensitivity Context Map - Slice A



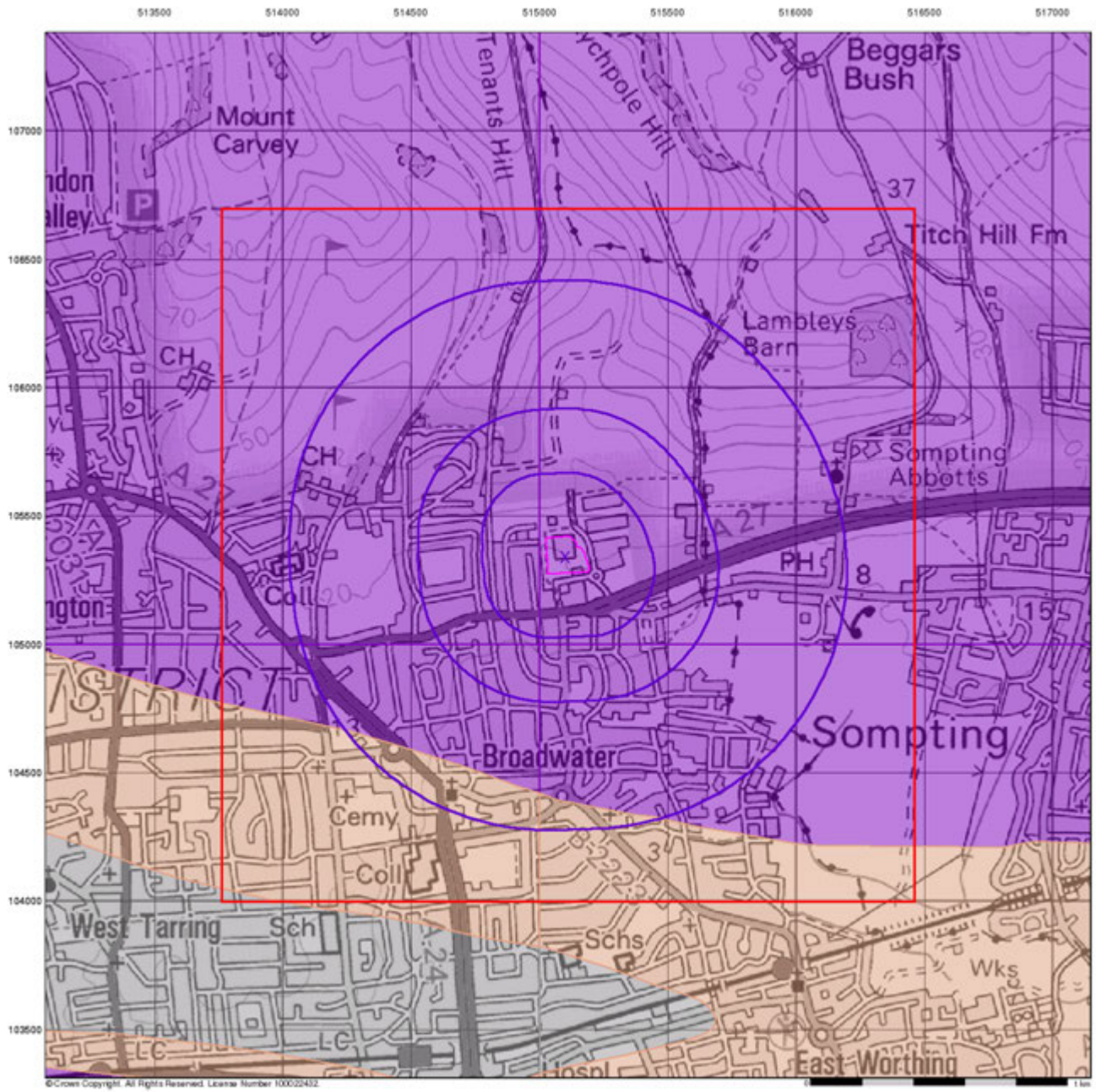

## Order Details

| | |
|---|---|
| Order Number: | 309737039_1_1 |
| Customer Ref: | 2303011 - Lyons Farm, Worthing |
| National Grid Reference: | 515100, 105340 |
| Slice: | A |
| Site Area (Ha): | 1.96 |
| Search Buffer (m): | 1000 |

## Site Details

Sainsburys Supermarkets Ltd, Downland Business Park, Lyons Way, WORTHING, BN14 9LA

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




# Bedrock Aquifer Designation

## General

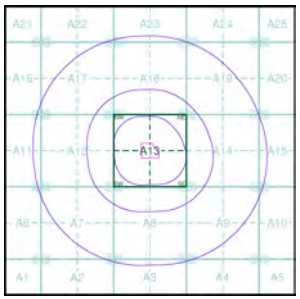
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

## Agency and Hydrological

**Geological Classes**

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

## Site Sensitivity Context Map - Slice A

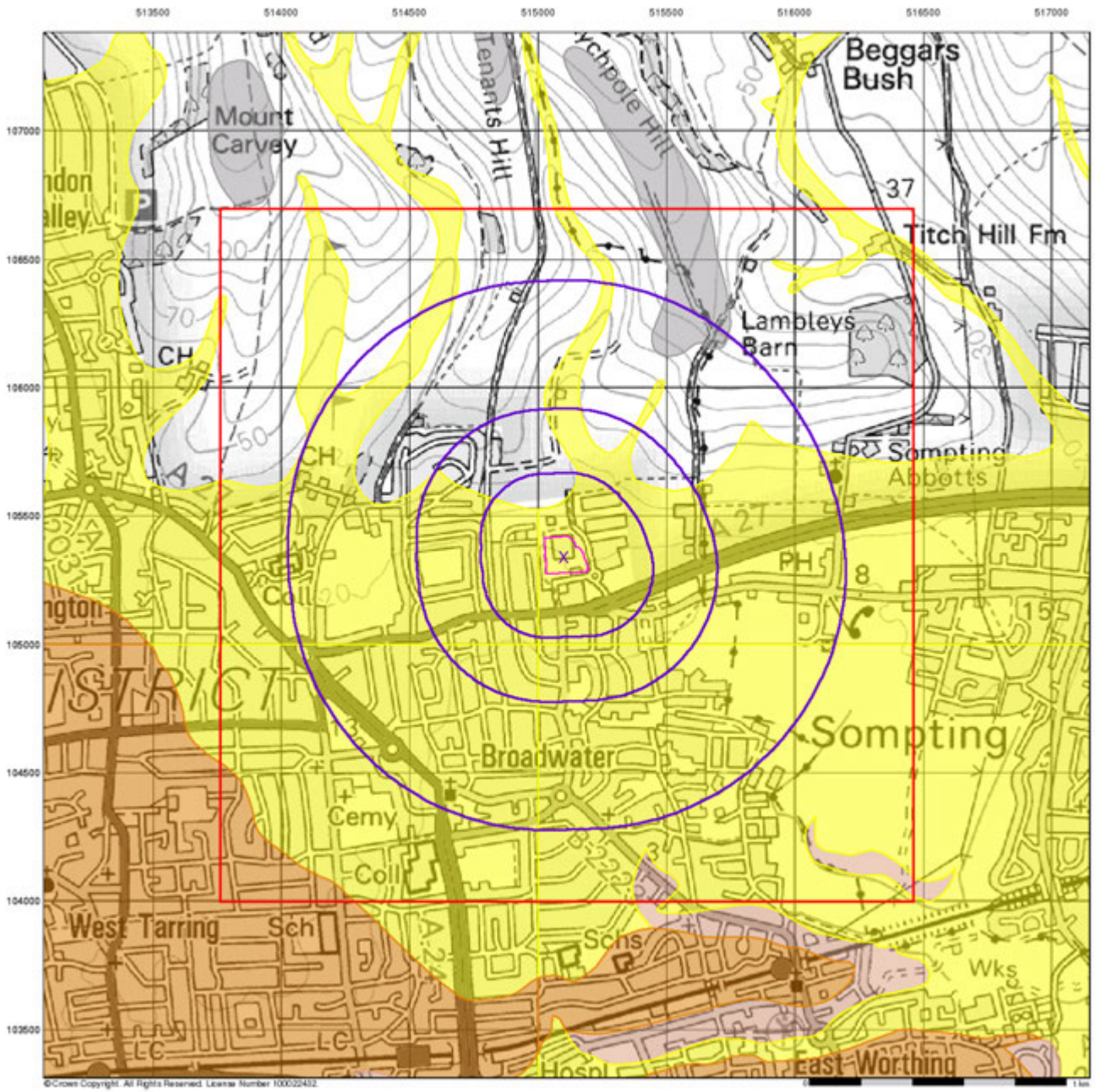



## Order Details

| | |
|---|---|
| Order Number: | 309737039_1_1 |
| Customer Ref: | 2303011 - Lyons Farm, Worthing |
| National Grid Reference: | 515100, 105340 |
| Slice: | A |
| Site Area (Ha): | 1.96 |
| Search Buffer (m): | 1000 |

## Site Details

Sainsburys Supermarkets Ltd, Downland Business Park, Lyons Way, WORTHING, BN14 9LA




# Superficial Aquifer Designation

## General

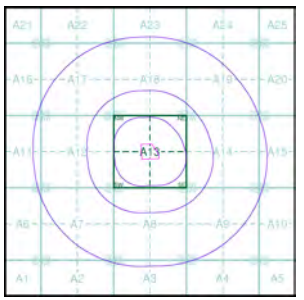
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

## Agency and Hydrological

**Geological Classes**

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

## Site Sensitivity Context Map - Slice A



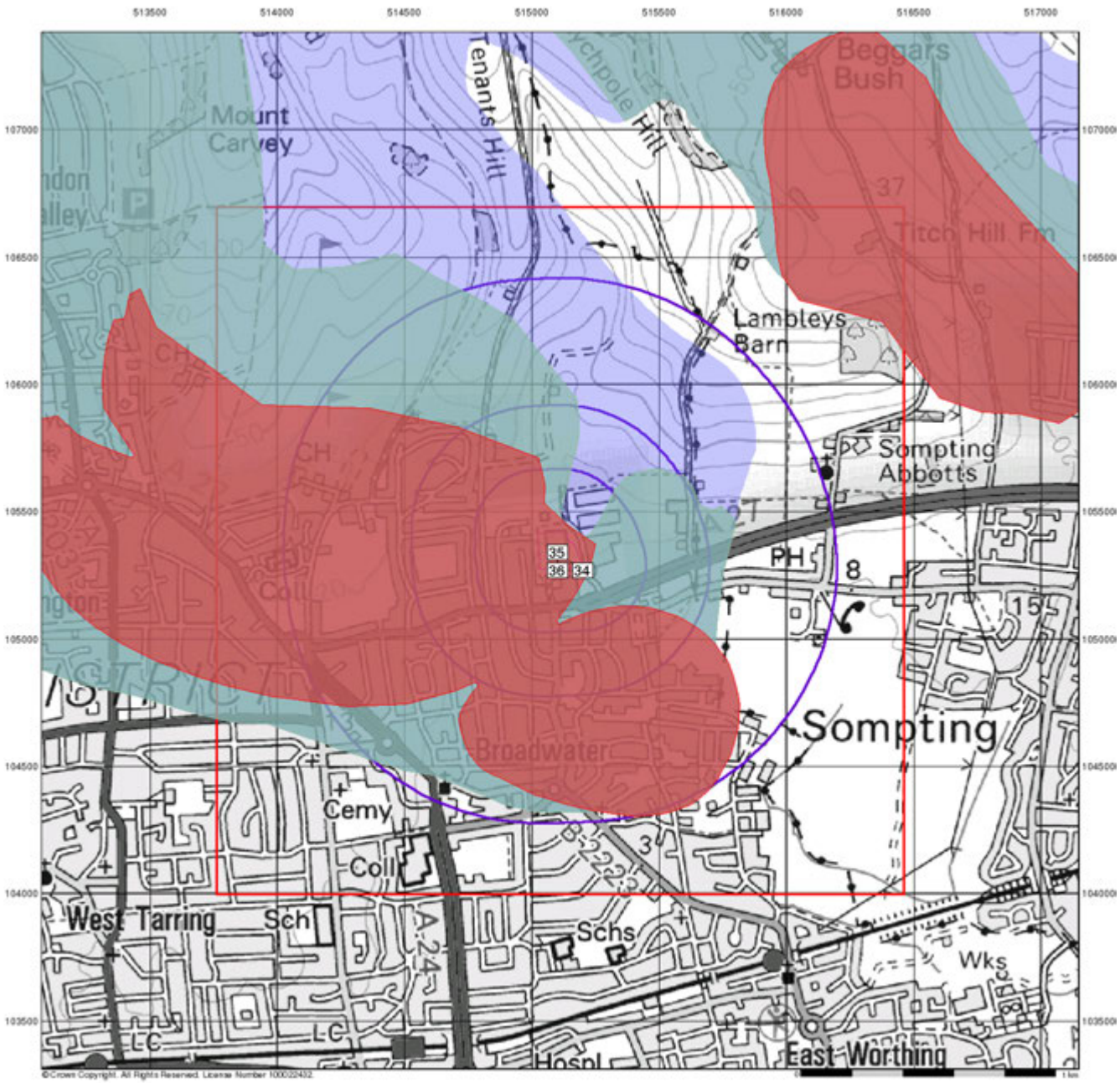

## Order Details

| | |
|---|---|
| Order Number: | 309737039_1_1 |
| Customer Ref: | 2303011 - Lyons Farm, Worthing |
| National Grid Reference: | 515100, 105340 |
| Slice: | A |
| Site Area (Ha): | 1.96 |
| Search Buffer (m): | 1000 |

## Site Details

Sainsburys Supermarkets Ltd, Downland Business Park, Lyons Way, WORTHING, BN14 9LA

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




# Source Protection Zones

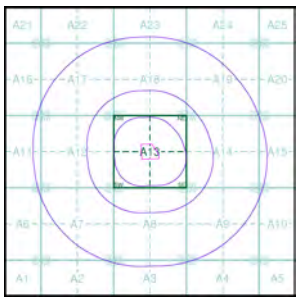
## General

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

## Agency and Hydrological

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

## Site Sensitivity Context Map - Slice A




## Order Details

| | |
|---|---|
| Order Number: | 309737039_1_1 |
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| National Grid Reference: | 515100, 105340 |
| Slice: | A |
| Site Area (Ha): | 1.96 |
| Search Buffer (m): | 1000 |

## Site Details

Sainsburys Supermarkets Ltd, Downland Business Park, Lyons Way, WORTHING, BN14 9LA

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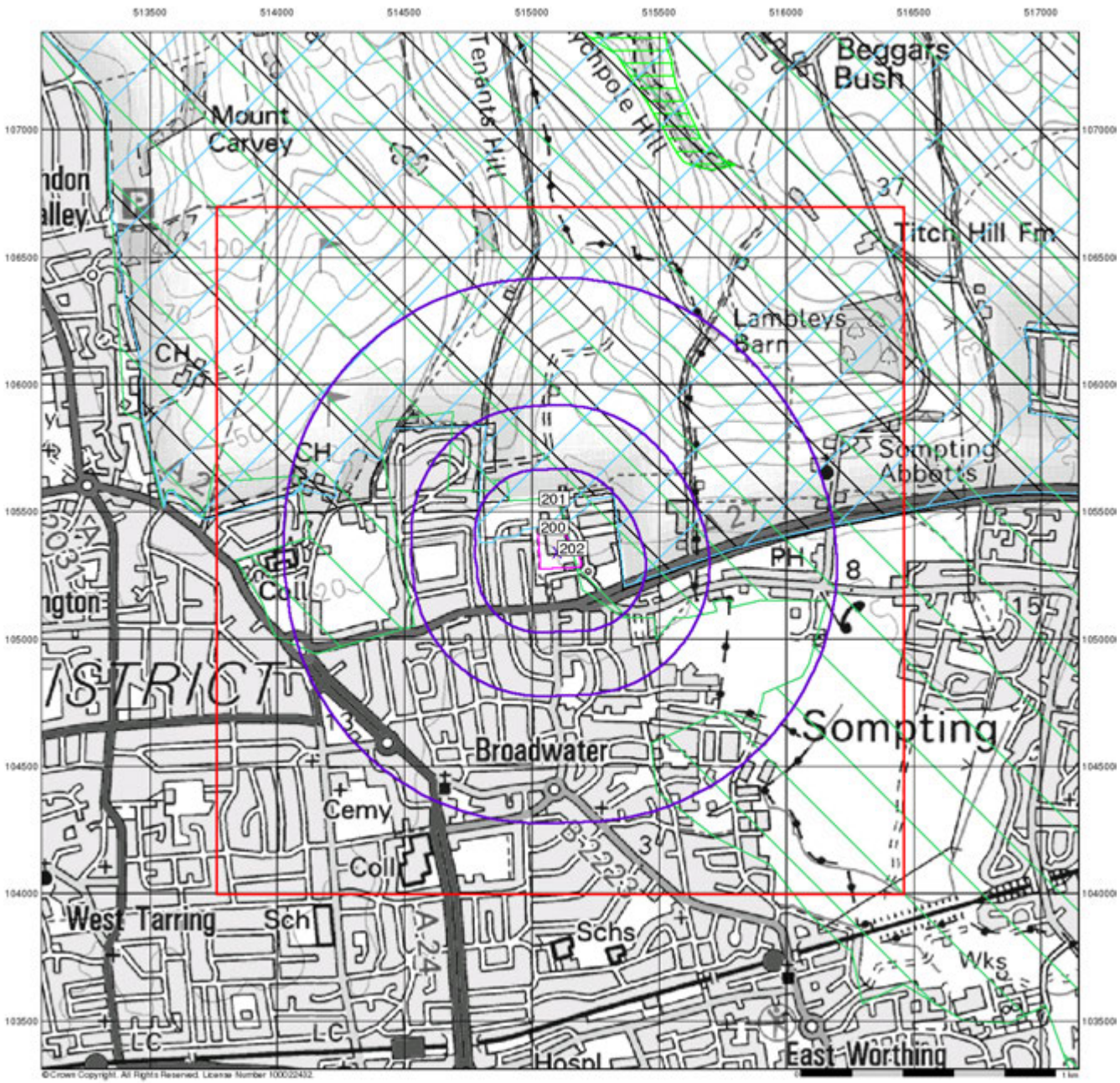
Web: www.envirocheck.co.uk




# Sensitive Land Uses

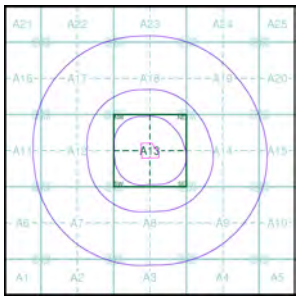
## General

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

## Sensitive Land Uses

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

## Site Sensitivity Context Map - Slice A




## Order Details

| | |
|---|---|
| Order Number: | 309737039_1_1 |
| Customer Ref: | 2303011 - Lyons Farm, Worthing |
| National Grid Reference: | 515100, 105340 |
| Slice: | A |
| Site Area (Ha): | 1.96 |
| Search Buffer (m): | 1000 |

## Site Details

Sainsburys Supermarkets Ltd, Downland Business Park, Lyons Way, WORTHING, BN14 9LA

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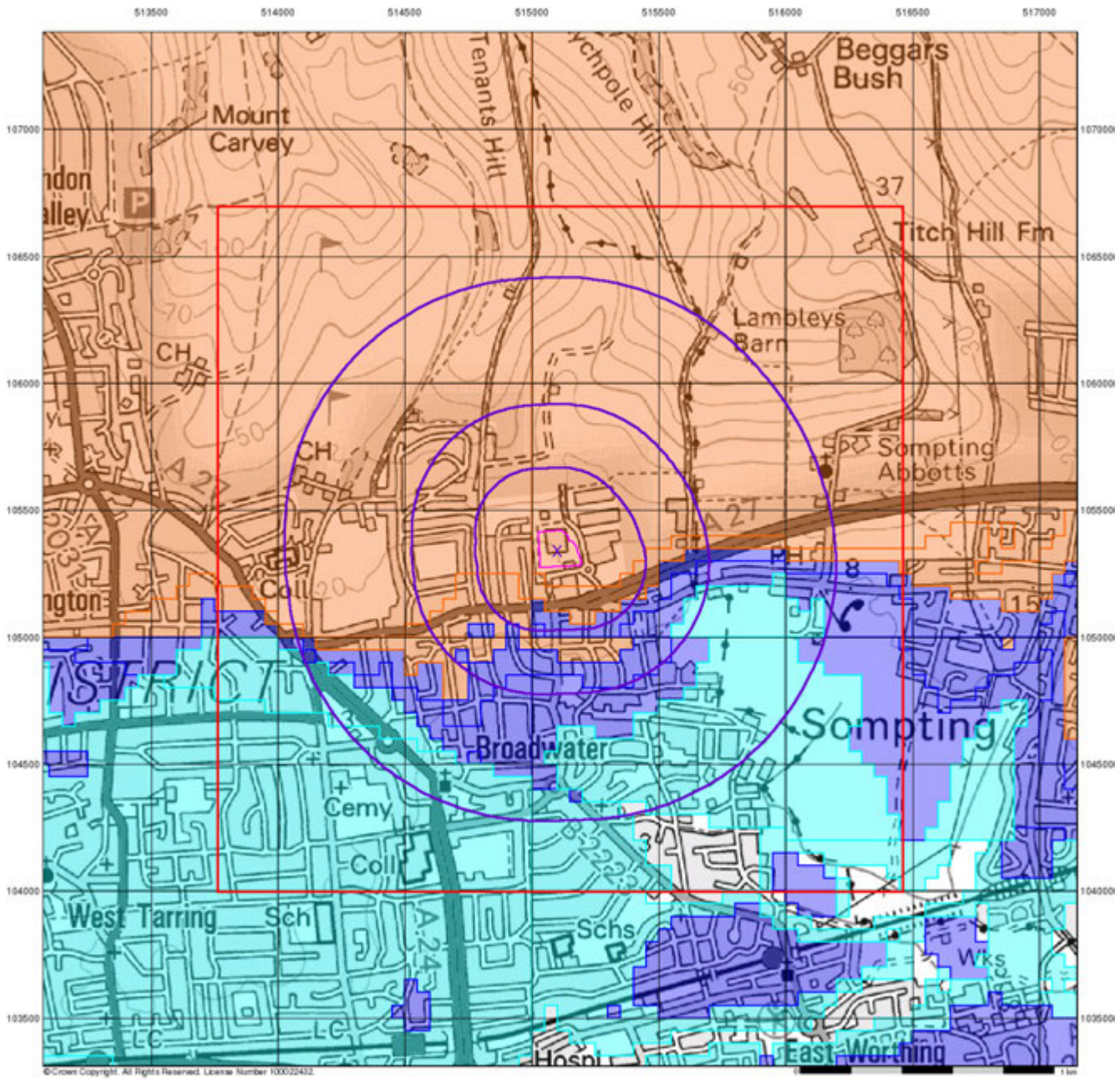
Fax: 0844 844 9951
Web: www.envirocheck.co.uk




## BGS Flood GFS Data

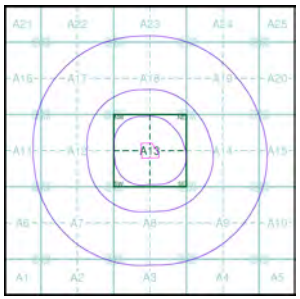
### General

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

### Agency and Hydrological (Flood)

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

## Site Sensitivity Context Map - Slice A




## Order Details

| | |
|---|---|
| Order Number: | 309737039_1_1 |
| Customer Ref: | 2303011 - Lyons Farm, Worthing |
| National Grid Reference: | 515100, 105340 |
| Slice: | A |
| Site Area (Ha): | 1.96 |
| Search Buffer (m): | 1000 |

## Site Details

Sainsburys Supermarkets Ltd, Downland Business Park, Lyons Way, WORTHING, BN14 9LA

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

# Envirocheck® Report:

# Mining and Ground Stability Datasheet

## Order Details:

**Order Number:**
309737039_1_1

**Customer Reference:**
2303011 - Lyons Farm, Worthing

**National Grid Reference:**
515100, 105340

**Slice:**
A

**Site Area (Ha):**
1.96

**Search Buffer (m):**
1000

## Site Details:

Sainsburys Supermarkets Ltd
Downland Business Park
Lyons Way
WORTHING
BN14 9LA

## Client Details:

Mr T .
Tweedie Evans Consulting Ltd
The Old Chapel
35a Southover
Wells
Somerset
BA5 1UH

## Prepared For:

Wells
BA5 1UH

# Contents


| Report Section and Details | Page Number |
|---|---|
| **Summary** | - |
| The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected.<br>For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000). | |
| **Mining and Natural Cavities Data** | 1 |
| The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities.<br>Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map. | |
| **Historical Land Use Information (1:2,500)** | - |
| The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative.<br>For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society. | |
| **Historical Land Use Information (1:10,000)** | 3 |
| The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses.<br>For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map. | |
| **Ground Stability Data (1:50,000)** | 5 |
| The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted. | |
| **Historical Map List** | 7 |
| The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections. | |
| **Data Currency** | 8 |
| **Data Suppliers** | 9 |
| **Useful Contacts** | 10 |



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**Report Version v53.0**

# Summary

| Data Type | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m |
|---|---|---|---|---|---|
| **Mining and Natural Cavities Data** | | | | | |
| BGS Recorded Mineral Sites | pg 1 | | 2 | 2 | 5 |
| Coal Mining Affected Areas | | | n/a | n/a | n/a |
| Man Made Mining Cavities | | | | | |
| Mining Instability | | | n/a | n/a | n/a |
| Natural Cavities | | | | | |
| Non Coal Mining Areas of Great Britain | pg 2 | Yes | Yes | n/a | n/a |
| Potential Mining Areas | | | | | |
| **Historical Land Use Information (1:2,500)** | | | | | |
| Extractive Industries or Potential Excavations from 1855-1909 (100m) | | | | n/a | n/a |
| Extractive Industries or Potential Excavations from 1893-1915 (100m) | | | | n/a | n/a |
| Extractive Industries or Potential Excavations from 1906-1937 (100m) | | | | n/a | n/a |
| Extractive Industries or Potential Excavations from 1924-1949 (100m) | | | | n/a | n/a |
| Extractive Industries or Potential Excavations from 1950-1980 (100m) | | | | n/a | n/a |
| Subterranean Features (100m) | | | | n/a | n/a |
| **Historical Land Use Information (1:10,000)** | | | | | |
| Air Shafts | | | | | |
| Disturbed Ground | | | | | |
| General Quarrying | pg 3 | | | 1 | |
| Heap, unknown constituents | pg 3 | | 1 | | 1 |
| Mineral Railway | | | | | |
| Mining & quarrying general | | | | | |
| Mining of coal & lignite | | | | | |
| Quarrying of sand & clay, operation of sand & gravel pits | pg 3 | | 1 | 1 | 4 |
| Former Marshes | | | | | |
| Potentially Infilled Land (Non-Water) | pg 3 | | 1 | 2 | 1 |
| Potentially Infilled Land (Water) | pg 3 | | | 1 | 18 |
| **Ground Stability Data (1:50,000)** | | | | | |
| CBSCB Compensation District | | | n/a | n/a | n/a |
| Brine Pumping Related Features | | | | | |
| Brine Subsidence Solution Area | | | | | |
| Potential for Collapsible Ground Stability Hazards | pg 5 | Yes | Yes | n/a | n/a |
| Potential for Compressible Ground Stability Hazards | pg 5 | Yes | Yes | n/a | n/a |
| Potential for Ground Dissolution Stability Hazards | pg 5 | Yes | Yes | n/a | n/a |
| Potential for Landslide Ground Stability Hazards | pg 5 | Yes | Yes | n/a | n/a |
| Potential for Running Sand Ground Stability Hazards | pg 5 | Yes | Yes | n/a | n/a |
| Potential for Shrinking or Swelling Clay Ground Stability Hazards | pg 5 | Yes | Yes | n/a | n/a |
| Salt Mining Related Features | | | | | |

# Summary

**Report Version v53.0**

# Mining and Natural Cavities Data

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 1 | **BGS Recorded Mineral Sites**<br>Site Name: Charman Dean Sand Pit<br>Location: Broadwater, Worthing, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 157916<br>Type: Opencast<br>**Status: Ceased**<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Quaternary<br>Geology: Head<br>Commodity: Sand<br>Positional Accuracy: Located by supplier to within 10m | A13NE (NE) | 11 | 1 | 515155 105394 |
| 2 | **BGS Recorded Mineral Sites**<br>Site Name: Charman Dean<br>Location: Broadwater, Worthing, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 157915<br>Type: Opencast<br>**Status: Ceased**<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Tarrant Chalk Member<br>Commodity: Chalk<br>Positional Accuracy: Located by supplier to within 10m | A13NE (N) | 149 | 1 | 515145 105564 |
| 3 | **BGS Recorded Mineral Sites**<br>Site Name: Charman Dean Gravel Pit<br>Location: Broadwater, Worthing, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 157912<br>Type: Opencast<br>**Status: Ceased**<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Tarrant Chalk Member<br>Commodity: Sand and Gravel<br>Positional Accuracy: Located by supplier to within 10m | A18SW (NW) | 332 | 1 | 514915 105728 |
| 4 | **BGS Recorded Mineral Sites**<br>Site Name: Charman Dean<br>Location: Broadwater, Worthing, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 157917<br>Type: Opencast<br>**Status: Ceased**<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Tarrant Chalk Member<br>Commodity: Chalk<br>Positional Accuracy: Located by supplier to within 10m | A18SW (NW) | 374 | 1 | 514826 105731 |
| 5 | **BGS Recorded Mineral Sites**<br>Site Name: Lambley Lane Chalk Pit<br>Location: Broadwater, Worthing, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 157911<br>Type: Opencast<br>**Status: Ceased**<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Tarrant Chalk Member<br>Commodity: Chalk<br>Positional Accuracy: Located by supplier to within 10m | A19SW (NE) | 687 | 1 | 515612 105900 |
| 6 | **BGS Recorded Mineral Sites**<br>Site Name: The Warren Gravel Pit<br>Location: Broadwater, Worthing, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 157901<br>Type: Opencast<br>**Status: Ceased**<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Quaternary<br>Geology: Head<br>Commodity: Sand and Gravel<br>Positional Accuracy: Located by supplier to within 10m | A12SW (W) | 721 | 1 | 514316 105214 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 7 | **BGS Recorded Mineral Sites**<br>Site Name: Broadwater Chalk Pits<br>Location: Broadwater, Worthing, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 157895<br>Type: Opencast<br>**Status: Ceased**<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Tarrant Chalk Member<br>Commodity: Chalk<br>Positional Accuracy: Located by supplier to within 10m | A12NW (W) | 725 | 1 | 514324 105596 |
| 8 | **BGS Recorded Mineral Sites**<br>Site Name: Broadwater Chalk Pits<br>Location: Broadwater, Worthing, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 157894<br>Type: Opencast<br>**Status: Ceased**<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Tarrant Chalk Member<br>Commodity: Chalk<br>Positional Accuracy: Located by supplier to within 10m | A17SW (NW) | 742 | 1 | 514338 105693 |
| 9 | **BGS Recorded Mineral Sites**<br>Site Name: The Warren Gravel Pit<br>Location: Broadwater, Worthing, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 157896<br>Type: Opencast<br>**Status: Ceased**<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Quaternary<br>Geology: Head<br>Commodity: Sand and Gravel<br>Positional Accuracy: Located by supplier to within 10m | A12SW (W) | 898 | 1 | 514142 105173 |
| | **Coal Mining Affected Areas**<br>In an area which may not be affected by coal mining | | | | |
| | **Non Coal Mining Areas of Great Britain**<br>Risk: Rare<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (E) | 0 | 1 | 515100 105340 |
| | **Non Coal Mining Areas of Great Britain**<br>Risk: Rare<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (W) | 26 | 1 | 515000 105340 |

# Historical Land Use Information (1:10,000)

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 10 | **General Quarrying**<br>Use: Not Supplied<br>Date of Mapping: 1947 | A13NW (NW) | 316 | - | 514840 105670 |
| 11 | **Heap, unknown constituents**<br>Use: Not Supplied<br>Date of Mapping: 1913 | A13NE (NE) | 35 | - | 515199 105382 |
| 12 | **Heap, unknown constituents**<br>Use: Not Supplied<br>Date of Mapping: 1990 | A18NE (N) | 702 | - | 515217 106113 |
| 13 | **Quarrying of sand & clay, operation of sand & gravel pits**<br>Use: Not Supplied<br>Date of Mapping: 1913 | A13NE (N) | 148 | - | 515154 105561 |
| 14 | **Quarrying of sand & clay, operation of sand & gravel pits**<br>Use: Not Supplied<br>Date of Mapping: 1899 | A18SW (NW) | 309 | - | 514933 105710 |
| 15 | **Quarrying of sand & clay, operation of sand & gravel pits**<br>Use: Not Supplied<br>Date of Mapping: 1950 - 1974 | A12SW (W) | 639 | - | 514400 105195 |
| 16 | **Quarrying of sand & clay, operation of sand & gravel pits**<br>Use: Not Supplied<br>Date of Mapping: 1879 | A19SW (NE) | 691 | - | 515611 105906 |
| 17 | **Quarrying of sand & clay, operation of sand & gravel pits**<br>Use: Not Supplied<br>Date of Mapping: 1879 - 1899 | A12NW (W) | 694 | - | 514362 105618 |
| 18 | **Quarrying of sand & clay, operation of sand & gravel pits**<br>Use: Not Supplied<br>Date of Mapping: 1947 | A18NE (N) | 722 | - | 515249 106128 |
| 19 | **Potentially Infilled Land (Non-Water)**<br>Use: Unknown Filled Ground (Pit, quarry etc)<br>Date of Mapping: 1990 | A13NE (N) | 148 | - | 515154 105561 |
| 20 | **Potentially Infilled Land (Non-Water)**<br>Use: Unknown Filled Ground (Pit, quarry etc)<br>Date of Mapping: 1974 | A18SW (NW) | 309 | - | 514933 105710 |
| 21 | **Potentially Infilled Land (Non-Water)**<br>Use: Unknown Filled Ground (Pit, quarry etc)<br>Date of Mapping: 1974 | A13NW (NW) | 323 | - | 514848 105684 |
| 22 | **Potentially Infilled Land (Non-Water)**<br>Use: Unknown Filled Ground (Pit, quarry etc)<br>Date of Mapping: 1974 | A12NW (W) | 694 | - | 514362 105618 |
| 23 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1899 | A12NE (NW) | 369 | - | 514731 105635 |
| 24 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1962 | A8NE (S) | 520 | - | 515151 104760 |
| 25 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1879 | A8NW (S) | 528 | - | 515086 104750 |
| 26 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1962 | A9NW (SE) | 588 | - | 515632 104894 |
| 27 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1879 | A9NW (SE) | 620 | - | 515518 104756 |
| 28 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1962 | A9NW (SE) | 667 | - | 515497 104690 |
| 29 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1962 | A8SE (S) | 690 | - | 515341 104609 |
| 30 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1879 | A9NW (SE) | 716 | - | 515660 104742 |

# Historical Land Use Information (1:10,000)

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 31 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1962 | A8SE (S) | 723 | - | 515242 104561 |
| 32 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1913 | A8SE (S) | 732 | - | 515302 104559 |
| 33 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1879 | A9NW (SE) | 735 | - | 515622 104688 |
| 34 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1879 | A8SE (S) | 738 | - | 515311 104543 |
| 35 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1879 | A9NE (SE) | 844 | - | 515798 104697 |
| 36 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1879 | A8SE (S) | 883 | - | 515241 104400 |
| 37 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1879 | A9SW (SE) | 890 | - | 515671 104534 |
| 38 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1879 | A8SE (S) | 914 | - | 515415 104396 |
| 39 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1879 | A9SE (SE) | 968 | - | 515844 104569 |
| 40 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1879 | A3NW (S) | 971 | - | 514906 104314 |
| 41 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1899 | A7NW (SW) | 1000 | - | 514174 104768 |

# Ground Stability Data (1:50,000)

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **CBSCB Compensation District**<br>The site does not fall within the brine compensation area. | | | | |
| | **Brine Subsidence Solution Area**<br>The site does not fall within the brine subsidence solution area. | | | | |
| 42 | **Potential for Collapsible Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (E) | 0 | 1 | 515100 105340 |
| 43 | **Potential for Collapsible Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (W) | 26 | 1 | 515000 105340 |
| | **Potential for Compressible Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (E) | 0 | 1 | 515100 105340 |
| | **Potential for Compressible Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (W) | 26 | 1 | 515000 105340 |
| 44 | **Potential for Ground Dissolution Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (E) | 0 | 1 | 515100 105340 |
| 45 | **Potential for Ground Dissolution Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (W) | 26 | 1 | 515000 105340 |
| 46 | **Potential for Ground Dissolution Stability Hazards**<br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service | A13NW (NW) | 71 | 1 | 515000 105481 |
| 47 | **Potential for Ground Dissolution Stability Hazards**<br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service | A13NW (NW) | 71 | 1 | 515032 105495 |
| 48 | **Potential for Ground Dissolution Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A13NW (N) | 114 | 1 | 515052 105534 |
| 49 | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (E) | 0 | 1 | 515100 105340 |
| 50 | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (W) | 26 | 1 | 515000 105340 |
| | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A13NW (N) | 114 | 1 | 515052 105534 |
| | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A13NW (NW) | 115 | 1 | 515000 105526 |
| 51 | **Potential for Running Sand Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (E) | 0 | 1 | 515100 105340 |
| 52 | **Potential for Running Sand Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (W) | 26 | 1 | 515000 105340 |
| | **Potential for Running Sand Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A13NW (N) | 114 | 1 | 515052 105534 |
| | **Potential for Running Sand Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A13NW (NW) | 115 | 1 | 515000 105526 |
| 53 | **Potential for Shrinking or Swelling Clay Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (E) | 0 | 1 | 515100 105340 |
| 54 | **Potential for Shrinking or Swelling Clay Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (W) | 26 | 1 | 515000 105340 |

# Ground Stability Data (1:50,000)

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Potential for Shrinking or Swelling Clay Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A13NW (N) | 114 | 1 | 515052 105534 |
| | **Potential for Shrinking or Swelling Clay Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A13NW (NW) | 115 | 1 | 515000 105526 |

# Historical Map List

**The following mapping has been analysed for Historical Land Use Information (1:2,500):**

| 1:2,500 | Mapsheet | Published Date |
|---|---|---|
| Ordnance Survey Plan | TQ1505 | 1954 |

**The following mapping has been analysed for Historical Land Use Information (1:10,000):**

| 1:10,560 | Mapsheet | Published Date |
|---|---|---|
| Sussex | 064_00 | 1879 |
| Sussex | 064_NE | 1899 |
| Sussex | 064_NW | 1899 |
| Sussex | 064_SE | 1899 |
| Sussex | 064_SW | 1899 |
| Sussex | 064_NE | 1913 |
| Sussex | 064_NW | 1913 |
| Sussex | 064_SE | 1913 |
| Sussex | 064_SW | 1913 |
| Sussex | 064_SE | 1938 |
| Sussex | 064_SW | 1938 |
| Sussex | 064_NE | 1947 |
| Sussex | 064_NW | 1950 |
| Ordnance Survey Plan | TQ10NE | 1961 |
| Ordnance Survey Plan | TQ10SE | 1962 |
| Ordnance Survey Plan | TQ10SW | 1962 |
| Ordnance Survey Plan | TQ10NW | 1963 |
| **1:10,000** | **Mapsheet** | **Published Date** |
| Ordnance Survey Plan | TQ10NW | 1974 |
| Ordnance Survey Plan | TQ10SE | 1983 |
| Ordnance Survey Plan | TQ10NE | 1990 |
| Ordnance Survey Plan | TQ10SW | 1992 |

# Data Currency

| Mining and Cavities Data | Version | Update Cycle |
|---|---|---|
| **BGS Recorded Mineral Sites**<br>British Geological Survey - National Geoscience Information Service | November 2022 | Bi-Annually |
| **Coal Mining Affected Areas**<br>The Coal Authority - Property Searches | February 2023 | Annual Rolling Update |
| **Man Made Mining Cavities**<br>Stantec UK Ltd | December 2022 | Bi-Annually |
| **Mining Instability**<br>Ove Arup & Partners | June 1998 | Not Applicable |
| **Natural Cavities**<br>Stantec UK Ltd | December 2022 | Bi-Annually |
| **Non Coal Mining Areas of Great Britain**<br>British Geological Survey - National Geoscience Information Service | May 2015 | Not Applicable |
| **Historical Land Use Information (1:2,500)** | **Version** | **Update Cycle** |
| **Subterranean Features**<br>Landmark Information Group Limited | June 2022 | Bi-Annually |
| **Ground Stability Data (1:50,000)** | **Version** | **Update Cycle** |
| **CBSCB Compensation District**<br>Cheshire Brine Subsidence Compensation Board (CBSCB)<br>Cheshire Brine Subsidence Compensation Board (CBSCB) | August 2011<br>November 2020 | <br>As notified |
| **Potential for Collapsible Ground Stability Hazards**<br>British Geological Survey - National Geoscience Information Service | April 2020 | As notified |
| **Potential for Compressible Ground Stability Hazards**<br>British Geological Survey - National Geoscience Information Service | January 2019 | As notified |
| **Potential for Ground Dissolution Stability Hazards**<br>British Geological Survey - National Geoscience Information Service | January 2019 | As notified |
| **Potential for Landslide Ground Stability Hazards**<br>British Geological Survey - National Geoscience Information Service | January 2019 | As notified |
| **Potential for Running Sand Ground Stability Hazards**<br>British Geological Survey - National Geoscience Information Service | January 2019 | As notified |
| **Potential for Shrinking or Swelling Clay Ground Stability Hazards**<br>British Geological Survey - National Geoscience Information Service | January 2019 | As notified |
| **Brine Subsidence Solution Area**<br>Johnson Poole & Bloomer | December 2020 | |

# Data Suppliers

A selection of organisations who provide data within this report

| Data Supplier | Data Supplier Logo |
|---|---|
| **Ordnance Survey** | |
| **British Geological Survey** | |
| **The Coal Authority** | |
| **Ove Arup** | |
| **Stantec UK Ltd** | |
| **Wardell Armstrong** | |
| **Johnson Poole & Bloomer** | |

# Useful Contacts

| Contact | Name and Address | Contact Details |
|---|---|---|
| 1 | **British Geological Survey - Enquiry Service**<br>British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG | Telephone: 0115 936 3143<br>Fax: 0115 936 3276<br>Email: enquiries@bgs.ac.uk<br>Website: www.bgs.ac.uk |
| - | **Landmark Information Group Limited**<br>Imperium, Imperial Way, Reading, Berkshire, RG2 0TD | Telephone: 0844 844 9952<br>Fax: 0844 844 9951<br>Email: customerservices@landmarkinfo.co.uk<br>Website: www.landmarkinfo.co.uk |




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# Historical Land Use Information (1:2,500)

## General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Map ID

Several of Type at Location

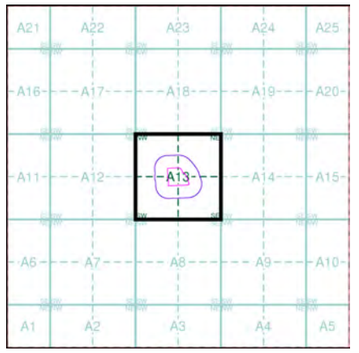
## Potentially Contaminative Industrial Uses (Extractive Industries Activity)

| | Point | Line | Polygon |
|---|---|---|---|
| Extractive Industries Activity from 1855 - 1909 | ▲ | — | ▭ |
| Extractive Industries Activity from 1893 - 1915 | ▲ | — | ▨ |
| Extractive Industries Activity from 1906 - 1937 | ▲ | — | ▤ |
| Extractive Industries Activity from 1924 - 1949 | ▲ | — | ▨ |
| Extractive Industries Activity from 1950 - 1980 | ▲ | — | ▥ |

## Subterranean Features

| | Point | Line | Polygon |
|---|---|---|---|
| Subterranean Features | ▼ | - - - | ▭ |

## Mining and Ground Stability - Segment A13



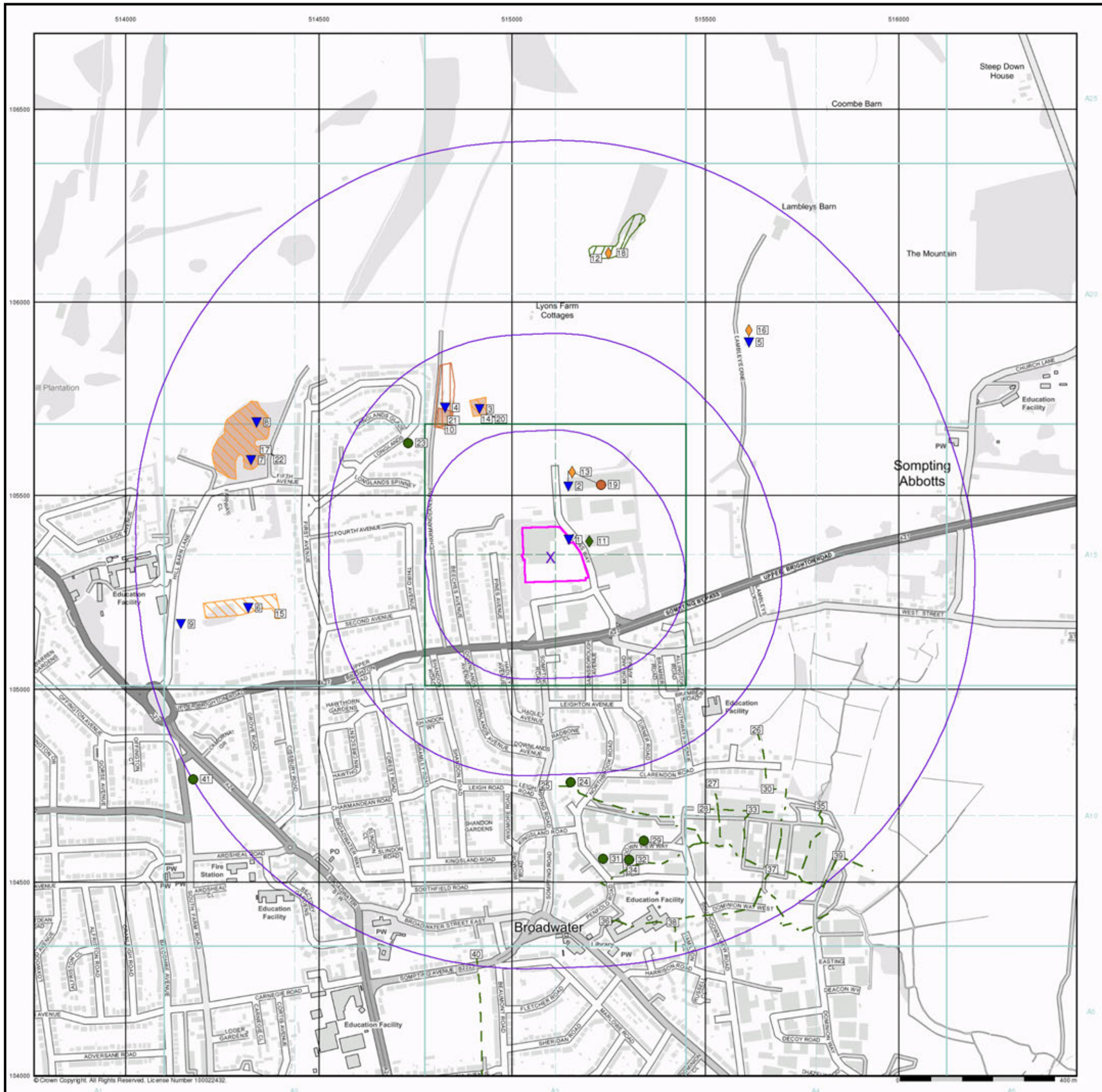

## Order Details

| | |
|---|---|
| Order Number: | 309737039_1_1 |
| Customer Ref: | 2303011 - Lyons Farm, Worthing |
| National Grid Reference: | 515100, 105340 |
| Slice: | A |
| Site Area (Ha): | 1.96 |
| Plot Buffer (m): | 100 |

## Site Details

Sainsburys Supermarkets Ltd, Downland Business Park, Lyons Way, WORTHING, BN14 9LA

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




# Historical Land Use Information (1:10,000)

## General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Map ID

Several of Type at Location

## Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

| | Point | Line | Polygon |
|---|---|---|---|
| Air Shafts | ◆ | ─ | ▨ |
| Disturbed Ground | ◆ | ─ | ▨ |
| General Quarrying | ◆ | ─ | ▨ |
| Heap, unknown constituents | ◆ | ─ | ▨ |
| Mineral Railway | ◆ | ─ | ▨ |
| Mining and Quarrying General | ◆ | ─ | ▨ |
| Mining of Coal & Lignite | ◆ | ─ | ▨ |
| Quarrying of Sand and Clay, Operation of Sand and Gravel Pits | ◆ | ─ | ▨ |

## Historical Land Use

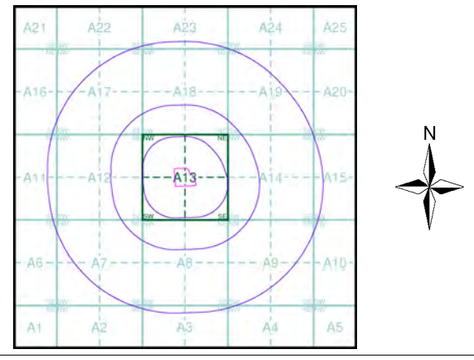
| | Point | Line | Polygon |
|---|---|---|---|
| Potentially Infilled Land (Non-Water) | ● | - - - | ▭ |
| Potentially Infilled Land (Water) | ● | - - - | ▭ |
| Former Marsh | ✠ | | |

## Mining Data

Potential Mining Area

BGS Recorded Mineral Site

## Mining and Ground Stability - Slice A




## Order Details

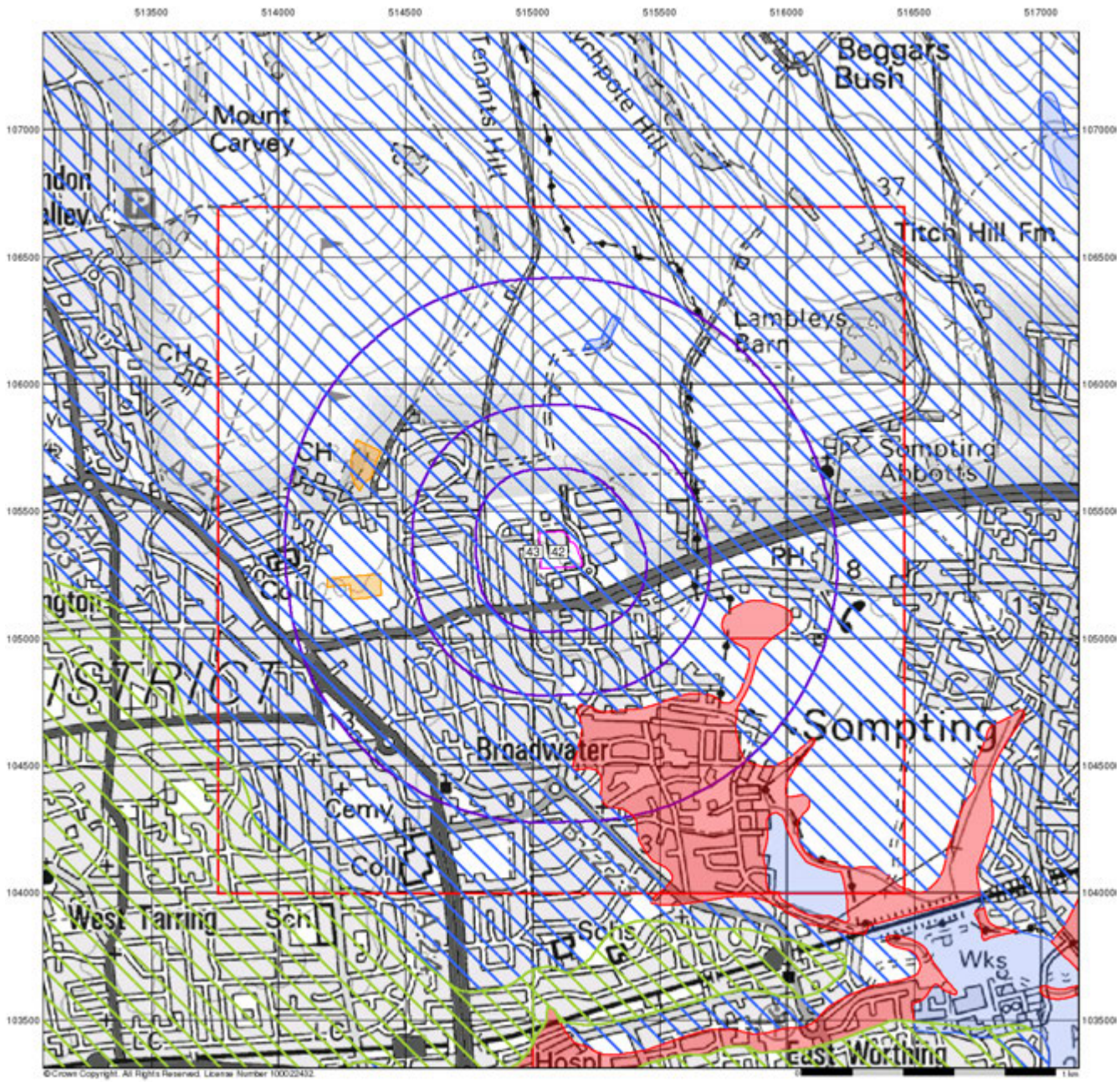
| | |
|---|---|
| Order Number: | 309737039_1_1 |
| Customer Ref: | 2303011 - Lyons Farm, Worthing |
| National Grid Reference: | 515100, 105340 |
| Slice: | A |
| Site Area (Ha): | 1.96 |
| Search Buffer (m): | 1000 |

## Site Details

Sainsburys Supermarkets Ltd, Downland Business Park, Lyons Way, WORTHING, BN14 9LA


Landmark INFORMATION GROUP

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

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# Ground Stability Data (1:50,000)

## General

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

## Potential for Compressible Ground Stability Hazards

High | Low | Moderate | Very Low

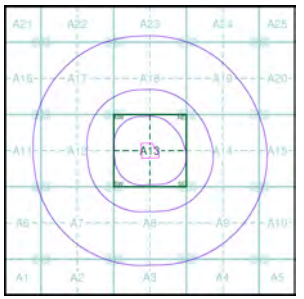
## Potential for Collapsible Ground Stability Hazards

High | Low | Moderate | Very Low

## Brine Pumping and Salt Mining

| | Point | Polygon |
|---|---|---|
| Brine Pumping Related Feature | ▲ | ▨ |
| Salt Mining Related Feature | ▲ | ▨ |

## Mining and Ground Stability - Slice A



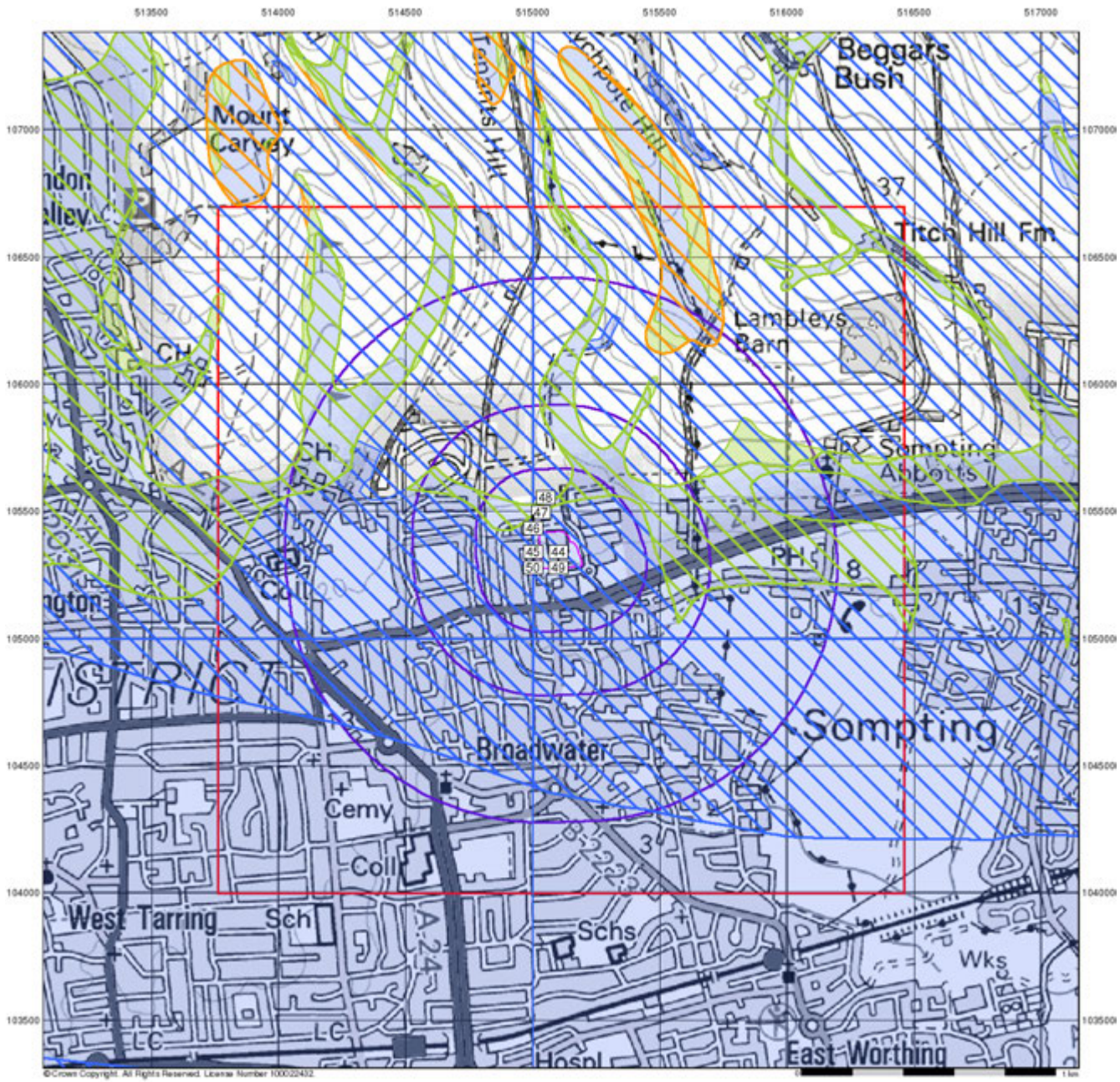

## Order Details

| | |
|---|---|
| Order Number: | 309737039_1_1 |
| Customer Ref: | 2303011 - Lyons Farm, Worthing |
| National Grid Reference: | 515100, 105340 |
| Slice: | A |
| Site Area (Ha): | 1.96 |
| Search Buffer (m): | 1000 |

## Site Details

Sainsburys Supermarkets Ltd, Downland Business Park, Lyons Way, WORTHING, BN14 9LA

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




# Ground Stability Data (1:50,000)

## General

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

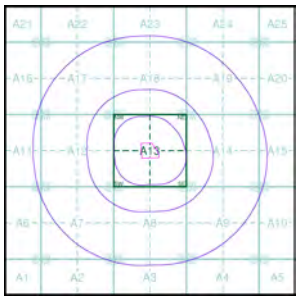
## Potential for Landslide Ground Stability Hazards

High | Low | Moderate | Very Low

## Potential for Ground Dissolution Stability Hazards

High | Low | Moderate | Very Low

## Mining and Ground Stability - Slice A



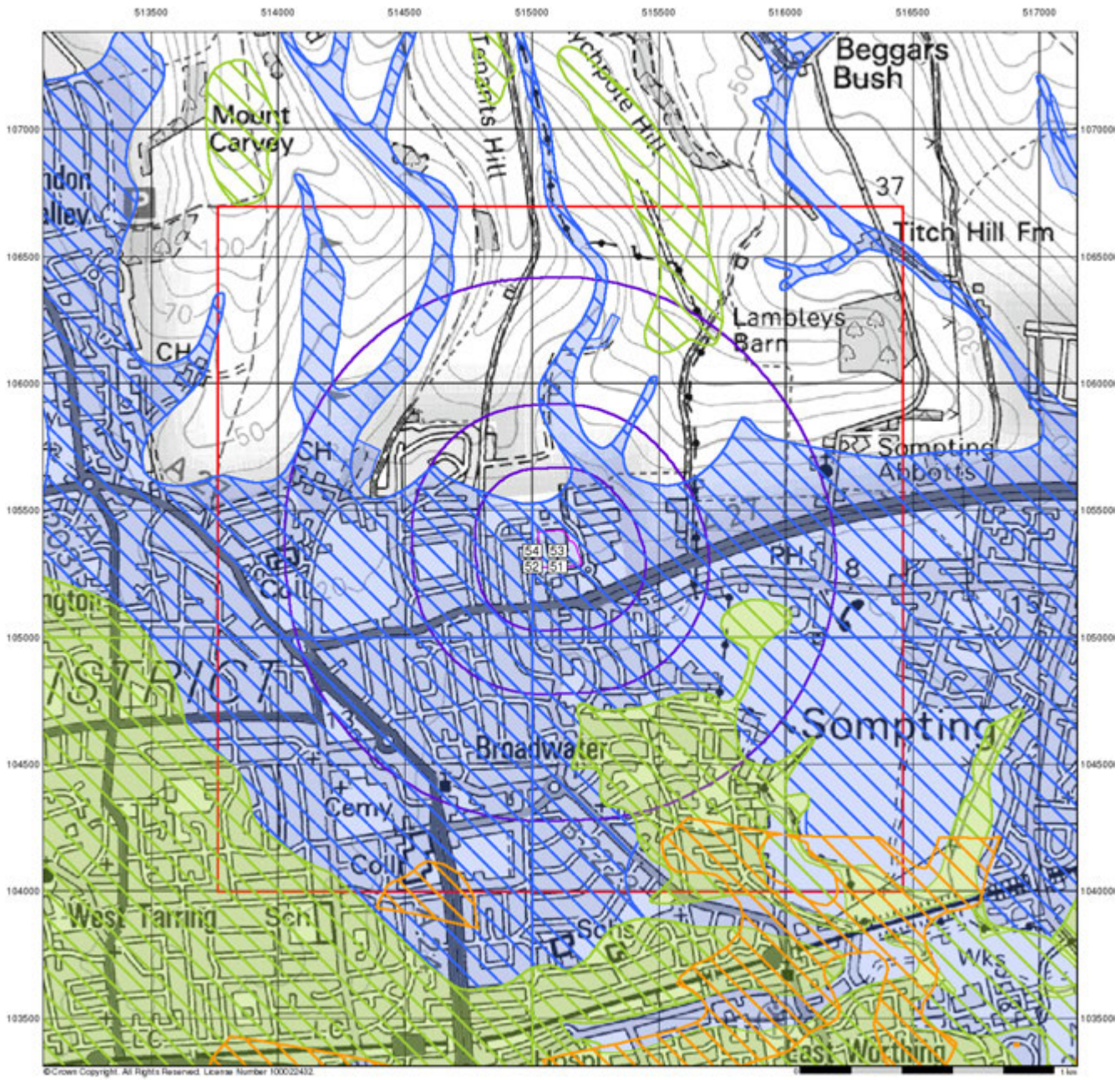

## Order Details

| | |
|---|---|
| Order Number: | 309737039_1_1 |
| Customer Ref: | 2303011 - Lyons Farm, Worthing |
| National Grid Reference: | 515100, 105340 |
| Slice: | A |
| Site Area (Ha): | 1.96 |
| Search Buffer (m): | 1000 |

## Site Details

Sainsburys Supermarkets Ltd, Downland Business Park, Lyons Way, WORTHING, BN14 9LA

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




# Ground Stability Data (1:50,000)

## General

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

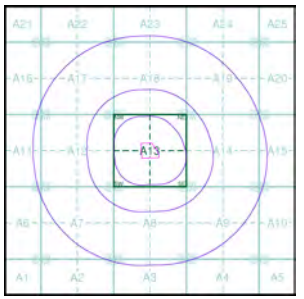
## Potential for Running Sand Ground Stability Hazards

High | Low | Moderate | Very Low

## Potential for Shrinking or Swelling Clay Ground Stability Hazards

High | Low | Moderate | Very Low

## Mining and Ground Stability - Slice A




## Order Details

| | |
|---|---|
| Order Number: | 309737039_1_1 |
| Customer Ref: | 2303011 - Lyons Farm, Worthing |
| National Grid Reference: | 515100, 105340 |
| Slice: | A |
| Site Area (Ha): | 1.96 |
| Search Buffer (m): | 1000 |

## Site Details

Sainsburys Supermarkets Ltd, Downland Business Park, Lyons Way, WORTHING, BN14 9LA

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

Appendix D

Regulatory Correspondence

ADUR & WORTHING COUNCILS

Adur & Worthing Councils
Portland House
44 Richmond Road
Worthing
West Sussex, BN11 1HS
www.adur-worthing.gov.uk

Mr Reinier Van Der Kuip
The Old Chapel
35 Southover
Wells
Bath
BA5 1UH

**Date:** 24-05-2023

**Service:** Public Health & Regulation
**Tel:** 01903 221064
**Email:** publichealth.regulation@adur-worthing.gov.uk

**Our Reference:** 295738

Dear Mr Van Der Kuip,

**Environmental Information Regulations 2004**
**Part IIA Environmental Protection Act, 1990**
**Re.: Sainsbury's Petrol Fuel Station, Lyons Farm Retail Park, Worthing, BN14 9LA.**

Further to your enquiry regarding contaminated land and associated issues at the above site, I am writing on behalf of this Department to advise you of the results of a search of our records and to inform you of the Council's position with regard to Part IIA.

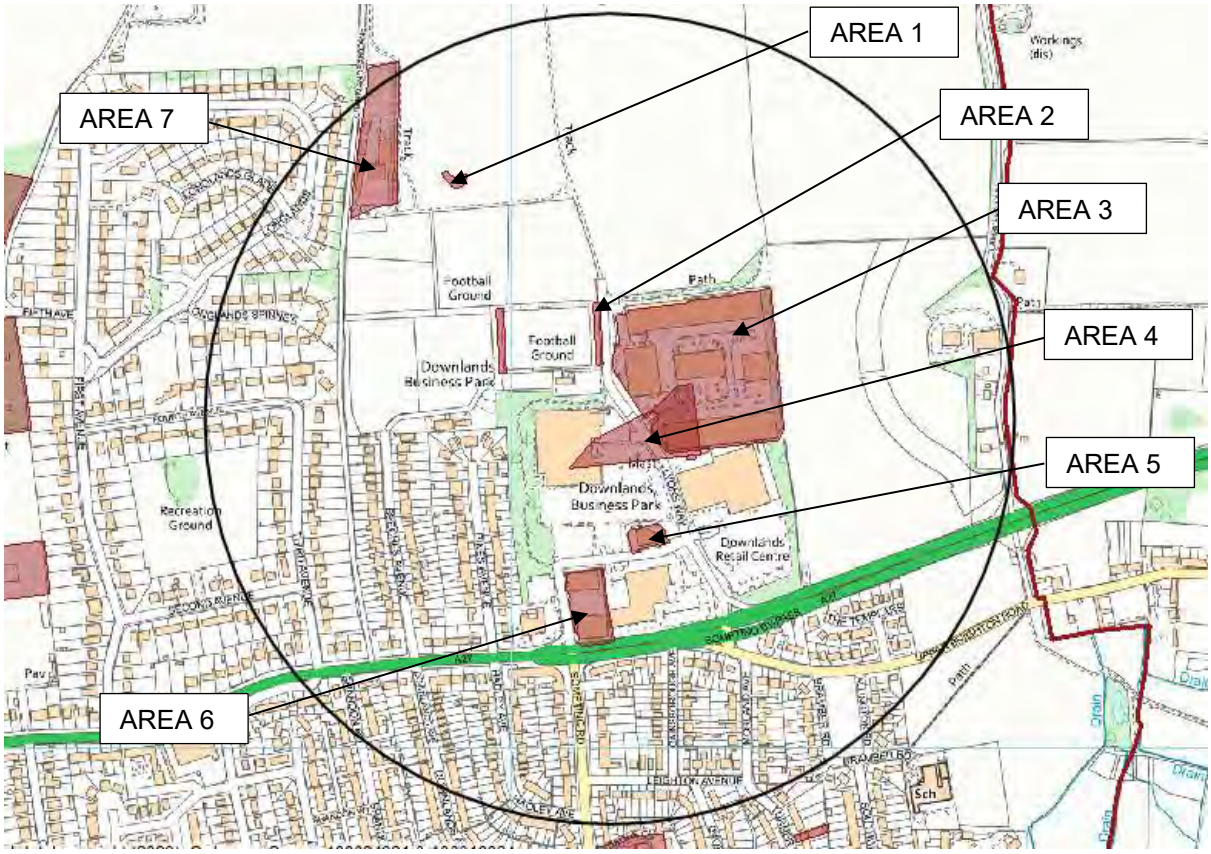
Adur and Worthing Councils are in the process of implementing the contaminated land strategy to identify land within the district that is potentially contaminated. At the current time, this Department has identified and prioritised sites within the area that have been or are currently occupied by a potentially contaminative use. Initial investigations in the form of desktop studies and/or site inspections are in the process of being undertaken, with the intention of reprioritising sites for more detailed inspection at a later date. At present, Adur and Worthing Councils have no entries into the Registers of Contaminated Land and are currently not considering taking formal or informal action under Part IIA of the Environmental Protection Act 1990.

In answer to your specific questions:

1. *Pre-license landfill sites within 500m of the subject site, including: license holder, location of landfill/grid reference, nature of fill material, dates of operation and details of any leachate/landfill gas problems:*

There are no landfill sites within 500m of the subject site.

2. *Pollution incidents/known areas of contaminated land within 500m of the subject site, including: location/grid reference, previous uses, nature/source of pollution and any further details:*




**Area 1 - Land East of Charmandean Land:** The land east of Charmandean lane was historically a Brickfield operating between 1989 and 1932.

**Area 2 - Football Ground:** The bunding to the west and east elevations of Worthing United FC grounds are believed to be contaminated. This is “hear-say” evidence passed on to the council from the land owner; appropriate planning conditions would be applied to investigate this further in the event of any proposed development.

**Area 3 – RF Saywell, Lyons Farm -** This site is currently an engineers and industrial units and remains in service at the date of this letter. It is currently of `medium' priority and a planning condition would be applied requiring further ground investigations if the site were to redeveloped in the future.

**Area 4 - Downlands Business Park:** This site of ‘medium’ priority was denoted as a brickfield in 1932 and was historically utilised as a sandpit. Currently a business park, the site is considered suitable for this use, however further investigation into the ground conditions will be required if the site, or part thereof, is put forward for re-development.

**Area 5 – Sainsbury’s Petrol Filling Station:** This `medium' priority site has been an operational fuelling station since 1990 and was previously recorded as a large nursery. If the site were to be put forward for re-development, it is likely that further

investigation of the ground conditions would be required in order to establish the contamination status of the site.

**Area 6 – Downlands Service Station: T**his site was listed as a garage between 1932 and 2004. Prior to re-development in 2004- 2006, the site housed an Esso fuelling station and PDH Car Sales forecourt. The site was consequently listed as `medium' priority. Five tanks were removed from site in 2005 and hydrocarbon and nickel impacted soils were excavated and removed from site. The site was considered suitable for commercial use and the associated planning condition was discharged in 2005/2006. The site currently accommodates a Pets at Home store and an Argos store.

**Area 7 - Charmandean Lane:** Charmandean lane was historically a Brickfield operating between 1989 and 1932.

3. *Part B APC authorisations within 500m of the subject site, including: authorisation holder, location/grid reference and nature of authorisation:*

| Reference | Installation | Grid Coordinates | Last Reviewed | Risk |
|---|---|---|---|---|
| PPC/21/PS12 | Sainsbury's Petrol Filling Station, Lyons Farm, Lyons Farm Retail Park, Worthing, | 515162 105256 | December 2021 | Medium |

4. *Private water supplies within 500m of the subject site, including: location/grid reference and details of source and abstraction purpose:*

There are no known private water supplies within 500m of the subject site.

5. *Storage of Petroleum Hydrocarbons:*

Please contact the Petroleum Officer at West Sussex County Council concerning sites holding petroleum licenses.

6. *Records of any previous Site Investigations on or in close proximity to the site:*

Please see section 2.

7. *Records of any unexploded ordnance in the site area*

This department does not hold this information.

8. *Any known problems with ground gas in the site area*

There are no known ground gas issues within the site.

9. Any potential issues regarding naturally elevated contaminant concentrations

The council are unaware of any known naturally elevated contaminant concentrations.

10. Any other information held by your authority which may have an impact upon the contaminative status of the site

Any information held has been described in section 2.

This Department makes no claim to have comprehensive records, and takes no responsibility for any omissions that may occur. Further relevant information regarding the above site may be held by other Council Departments or external agencies, who should be consulted independently. Any information provided should not be substituted for your own thorough site investigation, which may include intrusive soil sampling.

I trust this letter is satisfactory; if you would like to discuss this, or have any further questions, please feel free to contact me on the details provided below.

Yours sincerely



Oliver Rochford
Environmental Health Technician
Tel: 01273 263357
E-mail: oliver.rochford@adur-worthing.gov.uk

# Appendix E

# Risk Methodologies and Evaluation

## Risk Evaluation

The qualitative assessment methodology presented in CIRIA publication C552 (2001) titled *'Contaminated Land Risk Assessment: A Guide to Good Practice'* has been used by TEC for the basis of evaluating potential risk.

The method requires an assessment of the:

- magnitude of the probability or likelihood of the risk occurring (Table 1); and
- magnitude of the potential consequence or severity of the risk occurring (Table 2)

**Table 1. Classification of Probability**

| Classification | Definition |
|---|---|
| High likelihood | There is a pollution linkage and an event that either appears very likely in the short-term and almost inevitable over the long-term, or there is evidence at the receptor of harm or pollution. |
| Likely | There is a pollution linkage and all the elements are present and in the right place, which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short-term and likely over the long-term. |
| Low likelihood | There is a pollution linkage and circumstances are possible under which an event could occur. However, it is by no means certain that even over a longer period such an event would take place, and is less likely in the short-term. |
| Unlikely | There is a pollution linkage but circumstances are such that it is improbable that an event would occur even in the very long-term. |

**Table 2. Classification of Consequence**

| Classification | Definition | Examples |
|---|---|---|
| Severe | Short-term (acute) risk to human health likely to result in "significant harm" as defined by the Environment Protection Act 1990, Part IIA. Short-term risk of pollution of sensitive water resource. (Note: Water Resources Act contains no scope for considering significance of pollution). Catastrophic damage to buildings/property. A short-term risk to a particular ecosystem, or organisation forming part of such ecosystem (note: the definitions of ecological systems within the draft circular on Contaminated Land, DETR, 2000). | High concentrations of cyanide on the surface of an informal recreation area.<br>Major spillage of contaminants from site into controlled water.<br>Explosion, causing building collapse (can also equate to a short-term human health risk if buildings are occupied). |
| Medium | Chronic damage to human health ("significant harm" as defined in DETR, 2000). Pollution of sensitive water resources. (Note: Water Resources Act contains no scope for considering significance of pollution). A significant change in a particular ecosystem, or organism forming part of such ecosystem, (note: the definitions of ecological systems within draft circular on Contaminated Land, DETR, 2000). | Concentration of a contaminant from site exceeding the generic or site-specific assessment criteria.<br>Leaching of contaminants from a site to a major or minor aquifer.<br>Death of a species within a designated nature reserve. |
| Mild | Pollution of non-sensitive water resources. Significant damage to crops, buildings, structures and services ("significant harm" as defined in the draft circular on Contaminated Land, DETR, 2000). Damage to sensitive buildings/structures/services or the environment. | Pollution of non-classified groundwater.<br>Damage to building rendering it unsafe to occupy (for example foundation damage resulting in instability). |
| Minor | Harm, although not necessarily significant harm, which may result in a financial loss, or expenditure to resolve. Non-permanent health effects to human health (easily prevented by means such as personal protective clothing etc), easily repairable effects of damage to buildings, structures and services. | The presence of contaminants at such concentrations that protective equipment is required during site works.<br>The loss of plants in a landscaping scheme.<br>Discolouration of concrete. |

The combination of the two factors is determined using Table 3 and the resulting level of risk is described in Table 4. The evaluation can be applied to each of the scenarios identified in the risk model and the overall risk assessed.

**Table 3. Combination of Consequence with Probability**

| | | Consequence | | | |
|---|---|---|---|---|---|
| | | Severe | Medium | Mild | Minor |
| Probability | High Likelihood | **Very High Risk** | **High Risk** | **Moderate Risk** | **Moderate/Low Risk** |
| | Likely | **High Risk** | **Moderate Risk** | **Moderate/Low Risk** | **Low Risk** |
| | Low Likelihood | **Moderate Risk** | **Moderate/Low Risk** | **Low Risk** | **Very Low Risk** |
| | Unlikely | **Moderate/Low Risk** | **Low Risk** | **Very Low Risk** | **Very Low Risk** |

**Table 4. Description of risks and likely action required**

| | |
|---|---|
| **Very High Risk** | There is a high probability that severe harm could arise to a designated receptor from an identified hazard, or there is evidence that severe harm to a designated receptor is currently happening.<br>This risk, if realised, is likely to result in a substantial liability.<br>Urgent investigation (if not undertaken already) and remediation are likely to be required. |
| **High Risk** | Harm is likely to arise to a designated receptor from an identified hazard.<br>Realisation of the risk is likely to present a substantial liability.<br>Urgent investigation (if not undertaken already) is required and remedial works may be necessary in the short-term and are likely over the longer-term. |
| **Moderate Risk** | It is possible that harm could arise to a designated receptor from an identified hazard. However, it is either relatively unlikely that any such harm would be severe, or if any harm were to occur it is more likely that the harm would be relatively mild.<br>Investigation (if not already undertaken) is normally required to clarify the risk and to determine the potential liability.<br>Some remedial works may be required in the long-term. |
| **Low Risk** | It is possible that harm could arise to a designated receptor from an identified hazard, but it is likely that this harm, if realised, would at worst normally be mild. |
| **Very Low Risk** | There is a low possibility that harm could arise to a receptor. In the event of such harm being realised it is not likely to be severe. |

Using the risk model the pollutant linkages are identified and a preliminary estimate of risk undertaken. If there is no pollutant linkage identified, then there is no risk. If the estimate of risk for all the linkages and exposure scenarios is very low at this stage then it is likely that no further assessment will be required.

Appendix F

Exploratory Hole Logs

# Borehole Log

Borehole No. **BH01**

Sheet 1 of 2

| | | |
|---|---|---|
| Project Name: SSL Lyons Farm, Worthing | Client: Sainsbury's Supermarkets Ltd | Date: 12/04/2023 |
| Location: Worthing | Contractor: D.J Drilling & Oaklands SI | Co-ords: E515106.00 N105353.00 |
| Project No. 2303011.001 | Drilling Equipment: Dando 2000 | Level: |
| Hole Type: CP | Logged By: RK | Scale: 1:60 |

| Well | Water Strikes | Sample and In Situ Testing Depth (m) | Type | Results | Depth (m) | Level (m) | Legend | Stratum Description |
|---|---|---|---|---|---|---|---|---|
| | | | | | 0.10 | | | MADE GROUND: Tarmacadam. |
| | | 0.30 | D | | | | | FILL: Greyish brown to grey sandy gravel. Gravel of limestone, sandstone, flint, tarmacadam and rare plastic. |
| | | 0.30 - 0.50 | ES | | 0.45 | | | |
| | | 0.30 | PID | 0.00 ppmv | | | | |
| | | 0.50 - 0.70 | B | | | | | MADE GROUND: Yellowish brown slightly clayey silty gravelly sand. Sand is fine to coarse grained. Gravel of fine to coarse subangular sandstone. |
| | | 0.70 | PID | 0.00 ppmv | | | | |
| | | 1.00 | D | | | | | |
| | | 1.20 - 1.65 | D | | | | | |
| | | 1.20 | SPT | N=3 (1,1/1,1,1,0) | | | | |
| | | 1.60 - 2.00 | B | | 1.90 | | | |
| | | 2.00 - 2.45 | D | | | | | MADE GROUND: Brown mottled greyish brown and orangish brown slightly gravelly sandy clay. Sand is fine to coarse grained. Gravel of fine to coarse subangular sandstone, clinker and rare porcelain fragments. |
| | | 2.00 | SPT | N=4 (1,1/1,1,1,1) | | | | |
| | | 2.00 | PP | 0.6 kg/cm2 | | | | |
| | | 2.0 | HV | 32 kPa | | | | |
| | | 2.20 | D | | 2.70 | | | |
| | | 2.80 | D | | 2.90 | | | MADE GROUND: Greyish brown mottled dark brown slightly sandy gravelly very silty clay. Sand is fine to coarse grained. Gravel of fine to coarse subangular to subrounded flint with rare charcoal. |
| | | 2.80 | PP | 0.5 kg/cm2 | | | | |
| | | 2.8 | HV | 31 kPa | | | | |
| | | 2.90 | PID | 0.00 ppmv | | | | |
| | | 3.00 | D | | | | | HEAD DEPOSITS: Medium dense to dense yellowish brown slightly clayey slightly sandy GRAVEL with low cobble content. Sand is fine to coarse grained. Gravel of fine to coarse subangular to subrounded flint. Cobbles of flint. |
| | | 3.00 - 3.30 | B | | | | | |
| | | 3.00 | SPT | N=32 (10,10/8,8,8,8) | | | | |
| | | 4.00 - 4.45 | B | | | | | |
| | | 4.00 | SPT | N=23 (7,6/5,6,6,6) | | | | |
| | | 5.00 - 5.45 | B | | | | | |
| | | 5.00 | SPT | N=24 (7,7/6,6,6,6) | | | | |
| | ▼ | 6.20 - 6.50 | B | | 6.20 | | | TARRANT CHALK MEMBER: Recovered as firm off-white to cream slightly clayey slightly sandy gravelly SILT with low cobble content. Sand is fine to coarse grained. Gravel of fine to coarse subangular to subrounded flint and fine to medium subrounded chalk. Cobbles of flint. |
| | | 6.50 - 6.95 | D | | | | | |
| | | 6.50 | SPT | N=9 (1,0/1,2,3,3) | | | | |
| | | 7.00 | D | | | | | |
| | | | | | | | | *Band of flint.* |
| | | 8.00 - 8.50 | B | | 8.00 | | | TARRANT CHALK MEMBER: Recovered as extremely weak, low density off-white CHALK recovered as firm slightly gravelly slightly clayey SILT with low cobble content. Gravel of fine to coarse subangular chalk and flint. Cobbles of flint. |
| | | 8.00 | SPT | N=33 (3,5/6,7,9,11) | | | | |
| | | 9.00 | D | | | | | |
| | | 9.50 - 9.95 | D | | | | | |
| | | 9.50 | SPT | N=12 (3,3/3,3,3,3) | | | | |
| | | 10.50 | D | | | | | |
| | | 11.00 | SPT | N=13 (3,3/3,3,3,4) | | | | |
| | | 12.00 | D | | | | | |

| Hole Diameter | | Casing Diameter | | Chiselling | | | Inclination & Orientation | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Depth Base (m) | Diameter (mm) | Depth Base (m) | Diameter (mm) | Depth Top (m) | Depth Base (m) | Duration (hh:mm) | Depth Top (m) | Depth Base (m) | Inclination | Orientation |
| | | | | | | | | | | |

Remarks:
No groundwater encountered.

# Borehole Log

Borehole No. **BH01**

Sheet 2 of 2

| | | |
|---|---|---|
| Project Name: SSL Lyons Farm, Worthing | Client: Sainsbury's Supermarkets Ltd | Date: 12/04/2023 |
| Location: Worthing | Contractor: D.J Drilling & Oaklands SI | Co-ords: E515106.00 N105353.00 |
| Project No. 2303011.001 | Drilling Equipment: Dando 2000 | Level: |
| Hole Type: CP | Logged By: RK | Scale: 1:60 |

| Well | Water Strikes | Sample and In Situ Testing | | | Depth (m) | Level (m) | Legend | Stratum Description |
|---|---|---|---|---|---|---|---|---|
| | | Depth (m) | Type | Results | | | | |
| | | 12.50 | D | | | | | TARRANT CHALK MEMBER: Recovered as extremely weak, low density off-white CHALK recovered as firm slightly gravelly slightly clayey SILT with low cobble content. Gravel of fine to coarse subangular chalk and flint. Cobbles of flint. |
| | | 12.50 | SPT | N=12 (2,3/3,3,3,3) | | | | |
| | | 13.50 | D | | | | | |
| | | 14.00 - 14.45 | D | | 13.90 | | | TARRANT CHALK MEMBER: Recovered as extremely weak, low density off-white CHALK recovered as firm to stiff slightly gravelly slightly clayey SILT with low cobble content and occasional pockets of fine to medium grained SAND. Gravel of fine to coarse subangular chalk and flint. Cobbles of flint. *Increasing fine to medium grained sand content from 13.9m* |
| | | 14.00 | SPT | N=28 (3,5/7,7,7,7) | 14.50 | | | End of Borehole at 14.50m |

13 14 15 16 17 18 19 20 21 22 23

| Hole Diameter | | Casing Diameter | | Chiselling | | | Inclination & Orientation | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Depth Base (m) | Diameter (mm) | Depth Base (m) | Diameter (mm) | Depth Top (m) | Depth Base (m) | Duration (hh:mm) | Depth Top (m) | Depth Base (m) | Inclination | Orientation |
| | | | | | | | | | | |

Remarks:
No groundwater encountered.

# Borehole Log

Borehole No. **WS01**

Sheet 1 of 1

| | | |
|---|---|---|
| Project Name: SSL Lyons Farm, Worthing | Client: Sainsbury's Supermarkets Ltd | Date: 13/04/2023 |
| Location: Worthing | Contractor: D.J Drilling & Oaklands SI | Co-ords: E515140.00 N105372.00 |
| Project No. 2303011.001 | Drilling Equipment: Dando Terrier | Level: |
| Hole Type: WS | Logged By: RK | Scale: 1:33 |

| Well | Water Strikes | Sample and In Situ Testing | | | Depth (m) | Level (m) | Legend | Stratum Description |
|---|---|---|---|---|---|---|---|---|
| | | Depth (m) | Type | Results | | | | |
| | | 0.55<br>0.60 - 0.70 | PID<br>ES | 0.00 ppmv | 0.50<br><br>0.70<br>0.75 | | | MADE GROUND: Dark brown slightly gravelly silty organic clay with occasional rootlets. Gravel of plant matter, plastic, glass and brick.<br>MADE GROUND: Dark brown slightly gravelly silty clay. Gravel of concrete.<br>FILL: Grey CONCRETE with sandstone.<br>End of Borehole at 0.75m |

Remarks:
No groundwater encountered. Terminated due to refusal on concrete.

# Borehole Log

Borehole No. **WS01A**

Sheet 1 of 1

| | | |
|---|---|---|
| Project Name: SSL Lyons Farm, Worthing | Client: Sainsbury's Supermarkets Ltd | Date: 13/04/2023 |
| Location: Worthing | Contractor: D.J Drilling & Oaklands SI | Co-ords: E515142.00 N105371.00 |
| Project No. 2303011.001 | Drilling Equipment: Dando Terrier | Level: |
| Hole Type: WS | Logged By: RK | Scale: 1:33 |

| Well | Water Strikes | Sample and In Situ Testing | | | Depth (m) | Level (m) | Legend | Stratum Description |
|---|---|---|---|---|---|---|---|---|
| | | Depth (m) | Type | Results | | | | |
| | | | | | 0.10 | | | MADE GROUND: Tarmacadam. |
| | | 0.60 | PID | 0.00 ppmv | | | | FILL: Grey to light grey sandy gravel. Gravel of sandstone and flint. |
| | | 0.90 | PID | 0.00 ppmv | 0.80 | | | MADE GROUND: Yellowish brown slightly gravelly silty clayey sand. Sand is fine to medium grained. Gravel of fine to coarse subangular to subrounded flint, sandstone and rare plastic. |
| | | 1.00 | SPT | N=17 (2,5/4,6,4,3) | 1.10 | | | |
| | | 1.30 | D | | | | | POTENTIALLY MADE GROUND: Brown mottled yellowish brown slightly sandy clayey gravel. Sand is fine to coarse grained. Gravel of fine to coarse angular to subrounded flint. |
| | | 2.00 | SPT | N=8 (1,2/2,2,1,3) | | | | |
| | | 2.50 | SPT | N=51 (8,11/13,13,9,16) | 2.60 | | | HEAD DEPOSITS: Very dense yellowish brown to cream slightly silty GRAVEL. Gravel of fine to coarse angular to subangular flint and fine subrounded chalk. |
| | | 3.00 | SPT | N=62 (8,13/14,13,15,20) | | | | |
| | | | | | 3.45 | | | End of Borehole at 3.45m |

1 2 3 4 5 6

Remarks:
No groundwater encountered. Terminated due to refusal at depth.

# Borehole Log

Borehole No. **WS02**

Sheet 1 of 1

| | | |
|---|---|---|
| Project Name: SSL Lyons Farm, Worthing | Client: Sainsbury's Supermarkets Ltd | Date: 13/04/2023 |
| Location: Worthing | Contractor: D.J Drilling & Oaklands SI | Co-ords: E515124.00 N105372.00 |
| Project No. 2303011.001 | Drilling Equipment: Dando Terrier | Level: |
| Hole Type: WS | Logged By: RK | Scale: 1:33 |

| Well | Water Strikes | Sample and In Situ Testing | | | Depth (m) | Level (m) | Legend | Stratum Description |
|---|---|---|---|---|---|---|---|---|
| | | Depth (m) | Type | Results | | | | |
| | | 0.40 | PID | 0.00 ppmv | 0.40 | | | MADE GROUND: Dark brown slightly gravelly silty organic clay with occasional rootlets. Gravel of plant matter, plastic, glass, wood fragments, concrete and brick. |
| | | | | | 0.65 | | | MADE GROUND: (Soft) dark brown slightly gravelly silty clay. Gravel of concrete. |
| | | | | | 0.70 | | | FILL: Grey CONCRETE with sandstone. |
| | | | | | | | | End of Borehole at 0.70m |

Remarks:
No groundwater encountered. Terminated due to refusal on concrete.

# Borehole Log

Borehole No. **WS02A**

Sheet 1 of 1

| | | |
|---|---|---|
| Project Name: SSL Lyons Farm, Worthing | Client: Sainsbury's Supermarkets Ltd | Date: 13/04/2023 |
| Location: Worthing | Contractor: D.J Drilling & Oaklands SI | Co-ords: E515125.00 N105369.00 |
| Project No. 2303011.001 | Drilling Equipment: Dando Terrier | Level: |
| Hole Type: WS | Logged By: RK | Scale: 1:33 |

| Well | Water Strikes | Sample and In Situ Testing Depth (m) | Type | Results | Depth (m) | Level (m) | Legend | Stratum Description |
|---|---|---|---|---|---|---|---|---|
| | | | | | 0.10 | | | MADE GROUND: Tarmacadam. |
| | | | | | | | | FILL: Grey to light grey sandy gravel. Gravel of sandstone and flint. |
| | | 0.50 - 0.60 | ES | | 0.40 | | | MADE GROUND: Yellowish brown to brown slightly clayey silty sandy gravel with low cobble content. Sand is fine to coarse grained. Gravel of fine to coarse angular to subangular flint and sandstone. Cobbles of sandstone. |
| | | 0.50 | PID | 0.00 ppmv | | | | |
| | | 0.80 | PID | 0.00 ppmv | | | | |
| | | 0.90 | D | | | | | |
| | | 1.00 | SPT | N=25 (2,5/7,6,6,6) | | | | |
| | | | | | | | | *Cobbles of sandstone at 1.9m* |
| | | 2.00 | SPT | N=22 (3,5/4,5,6,7) | | | | |
| | | | | | 2.30 | | | MADE GROUND: Brown mottled greyish brown slightly sandy clayey gravel. Sand is fine to coarse grained. Gravel of fine to coarse angular to subangular flint and rare metal fragments (nails). |
| | | | | | 2.80 | | | HEAD DEPOSITS: Dense becoming very dense yellowish brown to cream slightly clayey GRAVEL. Gravel of fine to coarse angular to subangular flint and fine subrounded chalk. |
| | | 3.00 | SPT | N=36 (9,7/8,9,8,11) | | | | |
| | | 4.00 | SPT | 54 (3,13/54 for 225mm) | | | | |
| | | | | | 4.45 | | | End of Borehole at 4.45m |

1 2 3 4 5 6

Remarks:
No groundwater encountered. Terminated due to refusal at depth.

# Borehole Log

Borehole No. **WS03**

Sheet 1 of 1

| | | |
|---|---|---|
| Project Name: SSL Lyons Farm, Worthing | Client: Sainsbury's Supermarkets Ltd | Date: 13/04/2023 |
| Location: Worthing | Contractor: D.J Drilling & Oaklands SI | Co-ords: E515115.00 N105368.00 |
| Project No. 2303011.001 | Drilling Equipment: Dando Terrier | Level: |
| Hole Type: WS | Logged By: RK | Scale: 1:33 |

| Well | Water Strikes | Sample and In Situ Testing Depth (m) | Type | Results | Depth (m) | Level (m) | Legend | Stratum Description |
|---|---|---|---|---|---|---|---|---|
| | | | | | 0.15 | | | MADE GROUND: Tarmacadam. |
| | | | | | 0.40 | | | FILL: Grey to light grey sandy gravel. Gravel of sandstone and flint. |
| | | 0.50 - 0.70 | ES | | | | | MADE GROUND: Yellowish brown silty gravelly sand with low cobble content. Sand is fine to medium grained. Gravel of fine to coarse angular to subangular flint and sandstone. Cobbles of sandstone. |
| | | 0.50 | PID | 0.00 ppmv | | | | |
| | | 0.80 | PID | 0.00 ppmv | | | | |
| | | 1.00 | SPT | N=29 (3,6/7,7,7,8) | | | | |
| | | | | | | | | *Cobbles of sandstone at 1.8m* |
| | | 2.00 | SPT | N=21 (2,4/7,6,5,3) | | | | |
| | | | | | 2.20 | | | |
| | | 2.30 | D | | | | | MADE GROUND: Dark brown clayey gravel. Gravel of fine to coarse subangular flint, clinker, glass and rare plastic. |
| | | 2.50 | SPT | N=52 (1,22/19,13,11,9) | 2.60 | | | |
| | | | | | | | | HEAD DEPOSITS: Dense to locally very dense cream to yellowish brown slightly clayey slightly silty GRAVEL. Gravel of fine to coarse angular to subangular flint and fine subrounded chalk. |
| | | 3.00 | SPT | N=32 (5,4/8,10,7,7) | | | | |
| | | 3.50 | D | | | | | |
| | | 4.00 | SPT | N=35 (4,9/6,7,7,15) | | | | |
| | | 5.00 | SPT | N=49 (4,10/9,12,13,15) | | | | |
| | | | | | 5.45 | | | End of Borehole at 5.45m |

Remarks:
No groundwater encountered.

# Appendix G

## Geochemical Certificates of Analysis

Reinier van der Kuip
Tweedie Evans Consulting Limited t/a TEC
The Old Chapel
35a Southover
Wells
Somerset
BA5 1UH

Derwentside Environmental Testing Services Ltd
Unit 1
Rose Lane Industrial Estate
Rose Lane
Lenham Heath
Kent
ME17 2JN
t: 01622 850410

# DETS Report No: 23-05099

| | |
|---|---|
| Site Reference: | SSL Lyons Farm, Worthing |
| Project / Job Ref: | 2303011.001 |
| Order No: | 2303011.001 |
| Sample Receipt Date: | 17/04/2023 |
| Sample Scheduled Date: | 17/04/2023 |
| Report Issue Number: | 1 |
| Reporting Date: | 26/04/2023 |

Authorised by:

Kevin Old
Operations Director

Dates of laboratory activities for each tested analyte are available upon request.

Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

DETS Ltd
Unit 1, Rose Lane Industrial Estate
Rose Lane
Lenham Heath
Maidstone
Kent ME17 2JN
Tel : 01622 850410

| Soil Analysis Certificate | | | | | | |
|---|---|---|---|---|---|---|
| DETS Report No: 23-05099 | Date Sampled | 12/04/23 | 13/04/23 | 13/04/23 | 13/04/23 | |
| Tweedie Evans Consulting Limited t/a TEC | Time Sampled | None Supplied | None Supplied | None Supplied | None Supplied | |
| Site Reference: SSL Lyons Farm, Worthing | TP / BH No | BH01 | WS01 | WS02A | WS03 | |
| Project / Job Ref: 2303011.001 | Additional Refs | None Supplied | None Supplied | None Supplied | None Supplied | |
| Order No: 2303011.001 | Depth (m) | 0.30 - 0.50 | 0.60 - 0.70 | 0.50 - 0.60 | 0.50 - 0.70 | |
| Reporting Date: 26/04/2023 | DETS Sample No | 647137 | 647138 | 647139 | 647140 | |

| Determinand | Unit | RL | Accreditation | | | | | |
|---|---|---|---|---|---|---|---|---|
| Asbestos Screen (S) | N/a | N/a | ISO17025 | Not Detected | Not Detected | Not Detected | Not Detected | |
| pH | pH Units | N/a | MCERTS | 9.2 | 7.6 | 8.5 | 8.9 | |
| Total Cyanide | mg/kg | < 1 | NONE | < 1 | < 1 | < 1 | < 1 | |
| Total Sulphate as $SO_4$ | mg/kg | < 200 | MCERTS | 3587 | 904 | < 200 | 238 | |
| Total Sulphate as $SO_4$ | % | < 0.02 | MCERTS | 0.36 | 0.09 | < 0.02 | 0.02 | |
| Sulphide | mg/kg | < 5 | NONE | < 5 | < 5 | < 5 | < 5 | |
| TOC (Total Organic Carbon) | % | < 0.1 | MCERTS | 2.3 | 7.7 | 0.3 | 0.2 | |
| Arsenic (As) | mg/kg | < 2 | MCERTS | 9 | 10 | 6 | 7 | |
| Barium (Ba) | mg/kg | < 2.5 | MCERTS | 76 | 101 | 124 | 135 | |
| Beryllium (Be) | mg/kg | < 0.5 | MCERTS | 0.8 | 0.8 | 0.8 | 0.9 | |
| W/S Boron | mg/kg | < 1 | NONE | < 1 | 1.4 | < 1 | < 1 | |
| Cadmium (Cd) | mg/kg | < 0.2 | MCERTS | 0.9 | 1.4 | < 0.2 | 0.2 | |
| Chromium (Cr) | mg/kg | < 2 | MCERTS | 18 | 17 | 10 | 11 | |
| Chromium (hexavalent) | mg/kg | < 2 | NONE | < 2 | < 2 | < 2 | < 2 | |
| Copper (Cu) | mg/kg | < 4 | MCERTS | 15 | 52 | 9 | 9 | |
| Lead (Pb) | mg/kg | < 3 | MCERTS | 5 | 104 | 8 | 9 | |
| Mercury (Hg) | mg/kg | < 1 | MCERTS | < 1 | < 1 | < 1 | < 1 | |
| Nickel (Ni) | mg/kg | < 3 | MCERTS | 11 | 16 | 17 | 21 | |
| Selenium (Se) | mg/kg | < 2 | MCERTS | < 2 | < 2 | < 2 | < 2 | |
| Vanadium (V) | mg/kg | < 1 | MCERTS | 32 | 28 | 14 | 17 | |
| Zinc (Zn) | mg/kg | < 3 | MCERTS | 26 | 197 | 30 | 33 | |
| Total Phenols (monohydric) | mg/kg | < 2 | NONE | < 2 | < 2 | < 2 | < 2 | |
| EPH (C10 - C40) | mg/kg | < 6 | MCERTS | 357 | 43 | < 6 | < 6 | |

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Method Description page describes if the test is performed on the dried or as-received portion
Subcontracted analysis (S)

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Maidstone
Kent ME17 2JN
Tel : 01622 850410

| Soil Analysis Certificate - Speciated PAHs | | | | | | |
|---|---|---|---|---|---|---|
| DETS Report No: 23-05099 | Date Sampled | 12/04/23 | 13/04/23 | 13/04/23 | 13/04/23 | |
| Tweedie Evans Consulting Limited t/a TEC | Time Sampled | None Supplied | None Supplied | None Supplied | None Supplied | |
| Site Reference: SSL Lyons Farm, Worthing | TP / BH No | BH01 | WS01 | WS02A | WS03 | |
| Project / Job Ref: 2303011.001 | Additional Refs | None Supplied | None Supplied | None Supplied | None Supplied | |
| Order No: 2303011.001 | Depth (m) | 0.30 - 0.50 | 0.60 - 0.70 | 0.50 - 0.60 | 0.50 - 0.70 | |
| Reporting Date: 26/04/2023 | DETS Sample No | 647137 | 647138 | 647139 | 647140 | |

| Determinand | Unit | RL | Accreditation | | | | | |
|---|---|---|---|---|---|---|---|---|
| Naphthalene | mg/kg | < 0.1 | MCERTS | < 0.1 | < 0.1 | < 0.1 | < 0.1 | |
| Acenaphthylene | mg/kg | < 0.1 | MCERTS | < 0.1 | < 0.1 | < 0.1 | < 0.1 | |
| Acenaphthene | mg/kg | < 0.1 | MCERTS | < 0.1 | < 0.1 | < 0.1 | < 0.1 | |
| Fluorene | mg/kg | < 0.1 | MCERTS | < 0.1 | < 0.1 | < 0.1 | < 0.1 | |
| Phenanthrene | mg/kg | < 0.1 | MCERTS | < 0.1 | 0.39 | < 0.1 | < 0.1 | |
| Anthracene | mg/kg | < 0.1 | MCERTS | < 0.1 | < 0.1 | < 0.1 | < 0.1 | |
| Fluoranthene | mg/kg | < 0.1 | MCERTS | < 0.1 | 1.19 | < 0.1 | < 0.1 | |
| Pyrene | mg/kg | < 0.1 | MCERTS | < 0.1 | 1.04 | < 0.1 | < 0.1 | |
| Benzo(a)anthracene | mg/kg | < 0.1 | MCERTS | < 0.1 | 0.50 | < 0.1 | < 0.1 | |
| Chrysene | mg/kg | < 0.1 | MCERTS | < 0.1 | 0.61 | < 0.1 | < 0.1 | |
| Benzo(b)fluoranthene | mg/kg | < 0.1 | MCERTS | < 0.1 | 0.60 | < 0.1 | < 0.1 | |
| Benzo(k)fluoranthene | mg/kg | < 0.1 | MCERTS | < 0.1 | 0.26 | < 0.1 | < 0.1 | |
| Benzo(a)pyrene | mg/kg | < 0.1 | MCERTS | < 0.1 | 0.46 | < 0.1 | < 0.1 | |
| Indeno(1,2,3-cd)pyrene | mg/kg | < 0.1 | MCERTS | < 0.1 | 0.43 | < 0.1 | < 0.1 | |
| Dibenz(a,h)anthracene | mg/kg | < 0.1 | MCERTS | < 0.1 | < 0.1 | < 0.1 | < 0.1 | |
| Benzo(ghi)perylene | mg/kg | < 0.1 | MCERTS | < 0.1 | 0.39 | < 0.1 | < 0.1 | |
| Coronene | mg/kg | < 0.1 | NONE | < 0.1 | < 0.1 | < 0.1 | < 0.1 | |
| Total Oily Waste PAHs | mg/kg | < 1 | MCERTS | < 1 | 2.9 | < 1 | < 1 | |
| Total Dutch 10 PAHs | mg/kg | < 1 | MCERTS | < 1 | 4.2 | < 1 | < 1 | |
| Total EPA-16 PAHs | mg/kg | < 1.6 | MCERTS | < 1.6 | 5.9 | < 1.6 | < 1.6 | |
| Total WAC-17 PAHs | mg/kg | < 1.7 | NONE | < 1.7 | 5.9 | < 1.7 | < 1.7 | |

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Maidstone
Kent ME17 2JN
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| Soil Analysis Certificate - TPH CWG Banded | | | | | | |
|---|---|---|---|---|---|---|
| DETS Report No: 23-05099 | Date Sampled | 12/04/23 | 13/04/23 | 13/04/23 | 13/04/23 | |
| Tweedie Evans Consulting Limited t/a TEC | Time Sampled | None Supplied | None Supplied | None Supplied | None Supplied | |
| Site Reference: SSL Lyons Farm, Worthing | TP / BH No | BH01 | WS01 | WS02A | WS03 | |
| Project / Job Ref: 2303011.001 | Additional Refs | None Supplied | None Supplied | None Supplied | None Supplied | |
| Order No: 2303011.001 | Depth (m) | 0.30 - 0.50 | 0.60 - 0.70 | 0.50 - 0.60 | 0.50 - 0.70 | |
| Reporting Date: 26/04/2023 | DETS Sample No | 647137 | 647138 | 647139 | 647140 | |

| Determinand | Unit | RL | Accreditation | | | | | |
|---|---|---|---|---|---|---|---|---|
| Aliphatic >C5 - C6 | mg/kg | < 0.01 | NONE | < 0.01 | < 0.01 | < 0.01 | < 0.01 | |
| Aliphatic >C6 - C8 | mg/kg | < 0.05 | NONE | < 0.05 | < 0.05 | < 0.05 | < 0.05 | |
| Aliphatic >C8 - C10 | mg/kg | < 2 | MCERTS | < 2 | < 2 | < 2 | < 2 | |
| Aliphatic >C10 - C12 | mg/kg | < 2 | MCERTS | < 2 | < 2 | < 2 | < 2 | |
| Aliphatic >C12 - C16 | mg/kg | < 3 | MCERTS | < 3 | < 3 | < 3 | < 3 | |
| Aliphatic >C16 - C21 | mg/kg | < 3 | MCERTS | < 3 | < 3 | < 3 | < 3 | |
| Aliphatic >C21 - C34 | mg/kg | < 10 | MCERTS | 108 | < 10 | < 10 | < 10 | |
| Aliphatic (C5 - C34) | mg/kg | < 21 | NONE | 108 | < 21 | < 21 | < 21 | |
| Aromatic >C5 - C7 | mg/kg | < 0.01 | NONE | < 0.01 | < 0.01 | < 0.01 | < 0.01 | |
| Aromatic >C7 - C8 | mg/kg | < 0.05 | NONE | < 0.05 | < 0.05 | < 0.05 | < 0.05 | |
| Aromatic >C8 - C10 | mg/kg | < 2 | MCERTS | < 2 | < 2 | < 2 | < 2 | |
| Aromatic >C10 - C12 | mg/kg | < 2 | MCERTS | < 2 | < 2 | < 2 | < 2 | |
| Aromatic >C12 - C16 | mg/kg | < 2 | MCERTS | < 2 | < 2 | < 2 | < 2 | |
| Aromatic >C16 - C21 | mg/kg | < 3 | MCERTS | < 3 | 3 | < 3 | < 3 | |
| Aromatic >C21 - C35 | mg/kg | < 10 | MCERTS | 83 | < 10 | < 10 | < 10 | |
| Aromatic (C5 - C35) | mg/kg | < 21 | NONE | 83 | < 21 | < 21 | < 21 | |
| Total >C5 - C35 | mg/kg | < 42 | NONE | 192 | < 42 | < 42 | < 42 | |

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| Soil Analysis Certificate - BTEX / MTBE | | | | | | | |
|---|---|---|---|---|---|---|---|
| DETS Report No: 23-05099 | Date Sampled | 12/04/23 | 13/04/23 | 13/04/23 | 13/04/23 | |
| Tweedie Evans Consulting Limited t/a TEC | Time Sampled | None Supplied | None Supplied | None Supplied | None Supplied | |
| Site Reference: SSL Lyons Farm, Worthing | TP / BH No | BH01 | WS01 | WS02A | WS03 | |
| Project / Job Ref: 2303011.001 | Additional Refs | None Supplied | None Supplied | None Supplied | None Supplied | |
| Order No: 2303011.001 | Depth (m) | 0.30 - 0.50 | 0.60 - 0.70 | 0.50 - 0.60 | 0.50 - 0.70 | |
| Reporting Date: 26/04/2023 | DETS Sample No | 647137 | 647138 | 647139 | 647140 | |

| Determinand | Unit | RL | Accreditation | | | | | |
|---|---|---|---|---|---|---|---|---|
| Benzene | ug/kg | < 2 | MCERTS | < 2 | < 2 | < 2 | < 2 | |
| Toluene | ug/kg | < 5 | MCERTS | < 5 | < 5 | < 5 | < 5 | |
| Ethylbenzene | ug/kg | < 2 | MCERTS | < 2 | < 2 | < 2 | < 2 | |
| p & m-xylene | ug/kg | < 2 | MCERTS | < 2 | < 2 | < 2 | < 2 | |
| o-xylene | ug/kg | < 2 | MCERTS | < 2 | < 2 | < 2 | < 2 | |
| MTBE | ug/kg | < 5 | MCERTS | < 5 | < 5 | < 5 | < 5 | |

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| Soil Analysis Certificate - Sample Descriptions |
|---|
| DETS Report No: 23-05099 |
| Tweedie Evans Consulting Limited t/a TEC |
| Site Reference: SSL Lyons Farm, Worthing |
| Project / Job Ref: 2303011.001 |
| Order No: 2303011.001 |
| Reporting Date: 26/04/2023 |

| DETS Sample No | TP / BH No | Additional Refs | Depth (m) | Moisture Content (%) | Sample Matrix Description |
|---|---|---|---|---|---|
| 647137 | BH01 | None Supplied | 0.30 - 0.50 | 4.4 | Grey gravelly sand with stones and concrete |
| 647138 | WS01 | None Supplied | 0.60 - 0.70 | 30 | Black loamy sand with stones and vegetation |
| 647139 | WS02A | None Supplied | 0.50 - 0.60 | 15.8 | Brown sandy clay with stones |
| 647140 | WS03 | None Supplied | 0.50 - 0.70 | 12.6 | Light brown sandy clay with stones |

*Moisture content is part of procedure E003 & is not an accredited test*
Insufficient Sample I/S
Unsuitable Sample U/S

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| Soil Analysis Certificate - Methodology & Miscellaneous Information |
|---|
| DETS Report No: 23-05099 |
| Tweedie Evans Consulting Limited t/a TEC |
| Site Reference: SSL Lyons Farm, Worthing |
| Project / Job Ref: 2303011.001 |
| Order No: 2303011.001 |
| Reporting Date: 26/04/2023 |

| Matrix | Analysed On | Determinand | Brief Method Description | Method No |
|---|---|---|---|---|
| Soil | D | Boron - Water Soluble | Determination of water soluble boron in soil by 2:1 hot water extract followed by ICP-OES | E012 |
| Soil | AR | BTEX | Determination of BTEX by headspace GC-MS | E001 |
| Soil | D | Cations | Determination of cations in soil by aqua-regia digestion followed by ICP-OES | E002 |
| Soil | D | Chloride - Water Soluble (2:1) | Determination of chloride by extraction with water & analysed by ion chromatography | E009 |
| Soil | AR | Chromium - Hexavalent | Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry | E016 |
| Soil | AR | Cyanide - Complex | Determination of complex cyanide by distillation followed by colorimetry | E015 |
| Soil | AR | Cyanide - Free | Determination of free cyanide by distillation followed by colorimetry | E015 |
| Soil | AR | Cyanide - Total | Determination of total cyanide by distillation followed by colorimetry | E015 |
| Soil | D | Cyclohexane Extractable Matter (CEM) | Gravimetrically determined through extraction with cyclohexane | E011 |
| Soil | AR | Diesel Range Organics (C10 - C24) | Determination of hexane/acetone extractable hydrocarbons by GC-FID | E004 |
| Soil | AR | Electrical Conductivity | Determination of electrical conductivity by addition of saturated calcium sulphate followed by electrometric measurement | E022 |
| Soil | AR | Electrical Conductivity | Determination of electrical conductivity by addition of water followed by electrometric measurement | E023 |
| Soil | D | Elemental Sulphur | Determination of elemental sulphur by solvent extraction followed by GC-MS | E020 |
| Soil | AR | EPH (C10 – C40) | Determination of acetone/hexane extractable hydrocarbons by GC-FID | E004 |
| Soil | AR | EPH Product ID | Determination of acetone/hexane extractable hydrocarbons by GC-FID | E004 |
| Soil | AR | EPH TEXAS (C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C40) | Determination of acetone/hexane extractable hydrocarbons by GC-FID for C8 to C40. C6 to C8 by headspace GC-MS | E004 |
| Soil | D | Fluoride - Water Soluble | Determination of Fluoride by extraction with water & analysed by ion chromatography | E009 |
| Soil | D | Fraction Organic Carbon (FOC) | Determination of TOC by combustion analyser. | E027 |
| Soil | D | Organic Matter (SOM) | Determination of TOC by combustion analyser. | E027 |
| Soil | D | TOC (Total Organic Carbon) | Determination of TOC by combustion analyser. | E027 |
| Soil | AR | Exchangeable Ammonium | Determination of ammonium by discrete analyser. | E029 |
| Soil | D | FOC (Fraction Organic Carbon) | Determination of fraction of organic carbon by oxidising with potassium dichromate followed by titration with iron (II) sulphate | E010 |
| Soil | D | Loss on Ignition @ 450oC | Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle furnace | E019 |
| Soil | D | Magnesium - Water Soluble | Determination of water soluble magnesium by extraction with water followed by ICP-OES | E025 |
| Soil | D | Metals | Determination of metals by aqua-regia digestion followed by ICP-OES | E002 |
| Soil | AR | Mineral Oil (C10 - C40) | Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge | E004 |
| Soil | AR | Moisture Content | Moisture content; determined gravimetrically | E003 |
| Soil | D | Nitrate - Water Soluble (2:1) | Determination of nitrate by extraction with water & analysed by ion chromatography | E009 |
| Soil | D | Organic Matter | Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate | E010 |
| Soil | AR | PAH - Speciated (EPA 16) | Determination of PAH compounds by extraction in acetone and hexane followed by GC-MS with the use of surrogate and internal standards | E005 |
| Soil | AR | PCB - 7 Congeners | Determination of PCB by extraction with acetone and hexane followed by GC-MS | E008 |
| Soil | D | Petroleum Ether Extract (PEE) | Gravimetrically determined through extraction with petroleum ether | E011 |
| Soil | AR | pH | Determination of pH by addition of water followed by electrometric measurement | E007 |
| Soil | AR | Phenols - Total (monohydric) | Determination of phenols by distillation followed by colorimetry | E021 |
| Soil | D | Phosphate - Water Soluble (2:1) | Determination of phosphate by extraction with water & analysed by ion chromatography | E009 |
| Soil | D | Sulphate (as SO4) - Total | Determination of total sulphate by extraction with 10% HCl followed by ICP-OES | E013 |
| Soil | D | Sulphate (as SO4) - Water Soluble (2:1) | Determination of sulphate by extraction with water & analysed by ion chromatography | E009 |
| Soil | D | Sulphate (as SO4) - Water Soluble (2:1) | Determination of water soluble sulphate by extraction with water followed by ICP-OES | E014 |
| Soil | AR | Sulphide | Determination of sulphide by distillation followed by colorimetry | E018 |
| Soil | D | Sulphur - Total | Determination of total sulphur by extraction with aqua-regia followed by ICP-OES | E024 |
| Soil | AR | SVOC | Determination of semi-volatile organic compounds by extraction in acetone and hexane followed by GC-MS | E006 |
| Soil | AR | Thiocyanate (as SCN) | Determination of thiocyanate by extraction in caustic soda followed by acidification followed by addition of ferric nitrate followed by colorimetry | E017 |
| Soil | D | Toluene Extractable Matter (TEM) | Gravimetrically determined through extraction with toluene | E011 |
| Soil | D | Total Organic Carbon (TOC) | Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate | E010 |
| Soil | AR | TPH CWG (ali: C5- C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35) | Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C35. C5 to C8 by headspace GC-MS | E004 |
| Soil | AR | TPH LQM (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44) | Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C44. C5 to C8 by headspace GC-MS | E004 |
| Soil | AR | VOCs | Determination of volatile organic compounds by headspace GC-MS | E001 |
| Soil | AR | VPH (C6-C8 & C8-C10) | Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FID | E001 |

D Dried
AR As Received

Appendix H

Geotechnical Laboratory Report

# Summary of Natural Moisture Content, Liquid Limit and Plastic Limit Results

| Job No. | Project Name | Programme | |
|---|---|---|---|
| 33308 | SSL Lyons Farm, Worthing | Samples received | 18/04/2023 |
| | | Schedule received | 14/04/2023 |
| Project No. | Client | Project started | 18/04/2023 |
| 2303011.001 | TEC | Testing Started | 02/05/2023 |

| Hole No. | Sample | | | | Soil Description | NMC | Passing 425µm | LL | PL | PI | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ref | Top m | Base m | Type | | % | % | % | % | % | |
| BH01 | - | 1.60 | 2.00 | B | Brown and dark greyish brown slightly sandy gravelly silty CLAY (gravel is fmc and angular to sub-rounded) | 24 | 52 | 35 | 20 | 15 | Sample washed to obtain test fraction |
| BH01 | - | 8.00 | 8.50 | B | Light orangish brown slightly sandy gravelly silty CLAY with numerous fm sub-rounded chalk fragments (gravel is fmc and sub-angular to angular) | 15 | 56 | 25 | 17 | 8 | Sample washed to obtain test fractoion |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
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| | | | | | | | | | | | |
| | | | | | | | | | | | |

**Test Methods: BS1377: Part 2: 1990:**
Natural Moisture Content : clause 3.2
Atterberg Limits: clause 4.3, 4.4 and 5.0
*These results only apply to the items tested*

NOTE: The report shall not be reproduced except in full without authority of the laboratory

**Test Report by K4 SOILS LABORATORY**
**Unit 8 Olds Close Olds Approach**
**Watford Herts WD18 9RU**

**Tel: 01923 711 288**
**Email: James@k4soils.com**

**Checked and Approved**

**Initials** J.P

**Date:** 16/05/2023

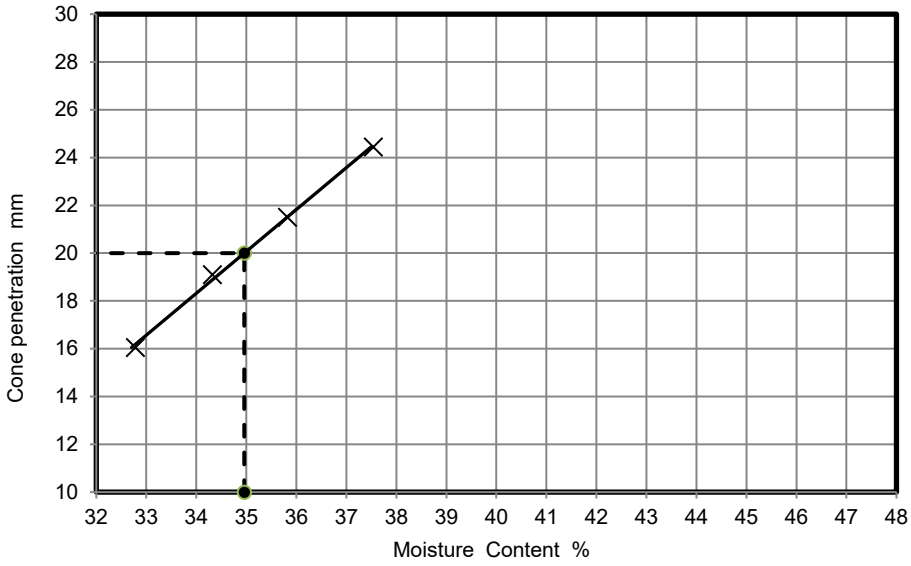
2519

Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)

MSF-5-R1

# LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

| | | | | | |
|---|---|---|---|---|---|
| | | | | Job No. | 33308 |
| | | | | Borehole/Pit No. | BH01 |
| Site Name | SSL Lyons Farm, Worthing | | | Sample No. | - |
| Project No. | 2303011.001 | Client | TEC | Depth Top | 1.60 m |
| Soil Description | Brown and dark greyish brown slightly sandy gravelly silty CLAY (gravel is fmc and angular to sub-rounded) | | | Depth Base | 2.00 m |
| | | | | Sample Type | B |
| | | | | Samples received | 18/04/2023 |
| | | | | Schedules received | 14/04/2023 |
| | | | | Project Started | 18/04/2023 |
| | | | | Date Tested | 02/05/2023 |

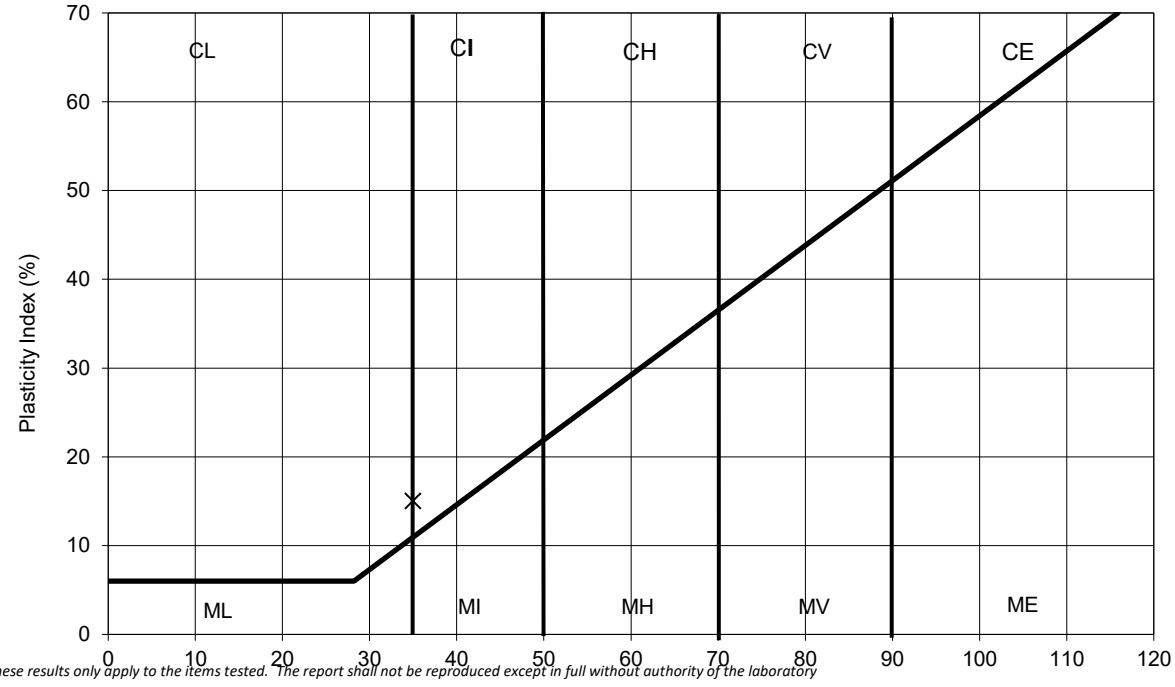



| | | |
|---|---|---|
| **NATURAL MOISTURE CONTENT** | **24** | **%** |
| **% PASSING 425µm SIEVE** | **52** | **%** |
| **LIQUID LIMIT** | **35** | **%** |
| **PLASTIC LIMIT** | **20** | **%** |
| **PLASTICITY INDEX** | **15** | **%** |

**Remarks**

Sample washed to obtain test fraction

## PLASTICITY INDEX




*These results only apply to the items tested. The report shall not be reproduced except in full without authority of the laboratory*

**TEST METHOD**

BS1377: Part 2 :Clause 4.3 : 1990 Determination of the liquid limit by the cone penetrometer method
BS1377: Part 2 :Clause 5.0 : 1990: Determination of the plastic limit and plasticity index
BS1377: Part 2 :Clause 3.2 : 1990:Determination of the moisture content by the oven drying

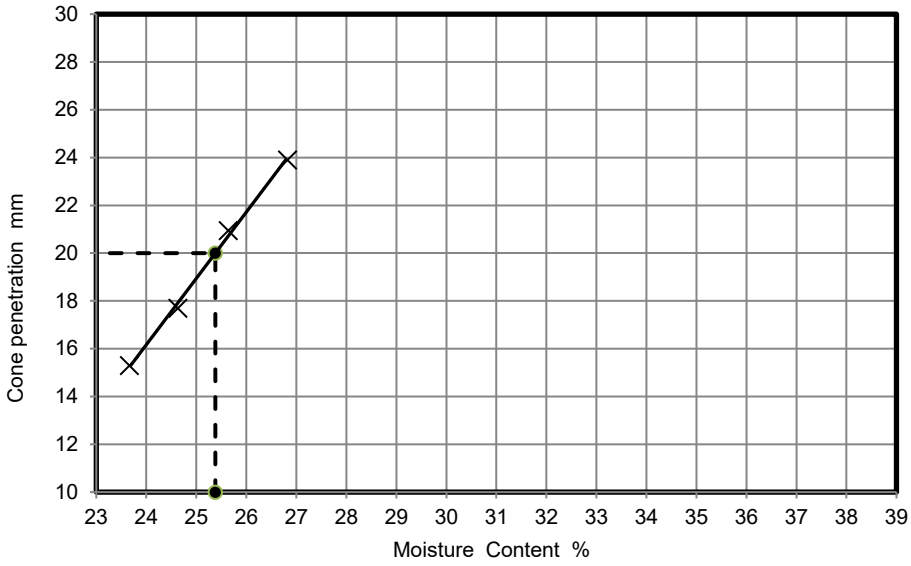
**Checked and Approved**

Initials: J.P
Date: 16/05/2023

Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU
Tel: 01923 711 288 Email: James@k4soils.com

# LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

| | | | | | |
|---|---|---|---|---|---|
| Site Name | SSL Lyons Farm, Worthing | | | Sample No. | - |
| Project No. | 2303011.001 | Client | TEC | Depth Top | 8.00 m |
| Soil Description | Light orangish brown slightly sandy gravelly silty CLAY with numerous fm sub-rounded chalk fragments (gravel is fmc and sub-angular to angular) | | | Depth Base | 8.50 m |
| | | | | Sample Type | B |
| | | | | Samples received | 18/04/2023 |
| | | | | Schedules received | 14/04/2023 |
| | | | | Project Started | 18/04/2023 |
| | | | | Date Tested | 02/05/2023 |
| | | | | Job No. | 33308 |
| | | | | Borehole/Pit No. | BH01 |

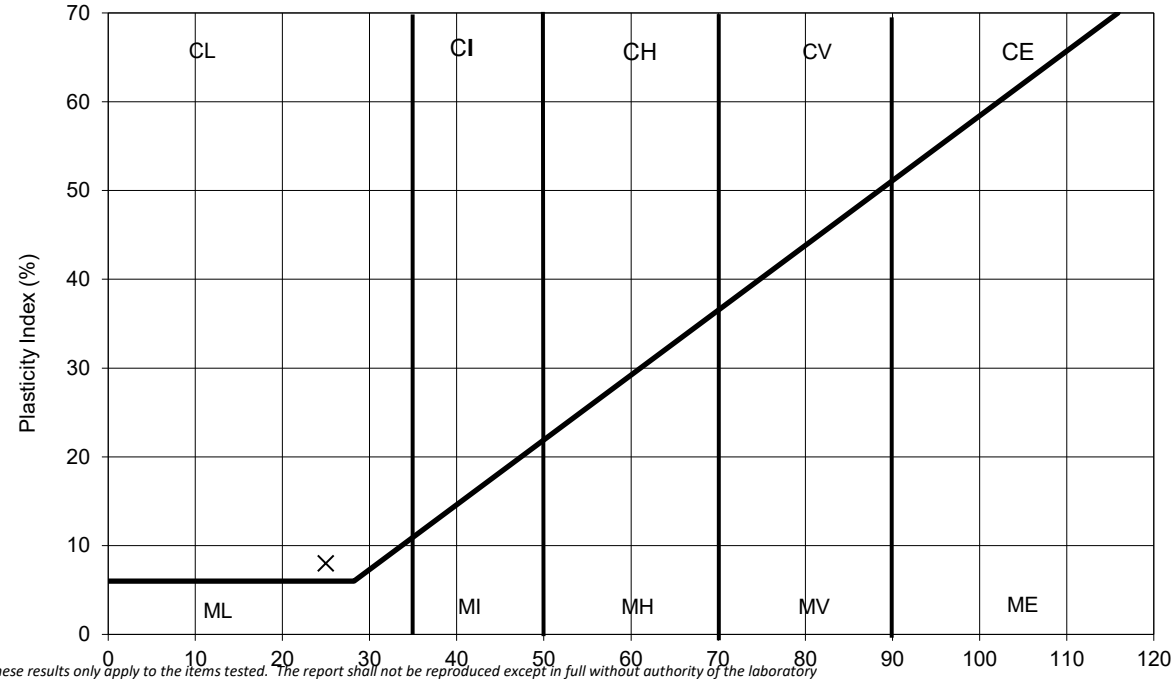



| | | |
|---|---|---|
| **NATURAL MOISTURE CONTENT** | **15** | **%** |
| **% PASSING 425µm SIEVE** | **56** | **%** |
| **LIQUID LIMIT** | **25** | **%** |
| **PLASTIC LIMIT** | **17** | **%** |
| **PLASTICITY INDEX** | **8** | **%** |

**Remarks**

Sample washed to obtain test fractoion

## PLASTICITY INDEX




*These results only apply to the items tested. The report shall not be reproduced except in full without authority of the laboratory*

**TEST METHOD**

BS1377: Part 2 :Clause 4.3 : 1990 Determination of the liquid limit by the cone penetrometer method
BS1377: Part 2 :Clause 5.0 : 1990: Determination of the plastic limit and plasticity index
BS1377: Part 2 :Clause 3.2 : 1990:Determination of the moisture content by the oven drying

**Checked and Approved**

Initials: J.P
Date: 16/05/2023

Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU
Tel: 01923 711 288 Email: James@k4soils.com

UKAS TESTING

2519

*Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)*

# Summary of Bulk and Dry Density Test Results

| Job Ref. | Project Name |
|---|---|
| 33308 | SSL Lyons Farm, Worthing |
| **Project ID** | **Client** |
| 2303011.001 | TEC |

| Hole No. | Sample | | | | Soil Description | Density | | NMC | Remarks/Method |
|---|---|---|---|---|---|---|---|---|---|
| | Ref | Top m | Base m | Type | | bulk Mg/m3 | dry Mg/m3 | % | |
| BH01 | - | 0.50 | 0.70 | B | Brown slightly clayey silty very sandy GRAVEL (gravel is fmc and sub-angular to rounded) | 2.00 | 1.61 | 24 | |
| BH01 | - | 1.60 | 2.00 | B | Brown and dark greyish brown slightly sandy gravelly silty CLAY (gravel is fmc and angular to sub-rounded) | 2.01 | 1.62 | 24 | |
| BH01 | - | 4.00 | - | B | Orangish brown mottled brown slightly sandy GRAVEL with numerous cobbles (gravel is fmc and angular to rounded) | 1.71 | 1.61 | 6.0 | |
| BH01 | - | 8.00 | 8.50 | B | Light orangish brown slightly sandy gravelly silty CLAY with numerous fm sub-rounded chalk fragments (gravel is fmc and sub-angular to angular) | 2.19 | 1.95 | 13 | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

**Test Method: BS EN 17892-2:2014**
Buk Density Linear Measurement Method

*These results only apply to the items tested*

The report shall not be reproduced except in full without *authority of the laboratory*

**K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU**

**Tel: 01923 711 288**
**Email: james@K4soils.com**

**Checked and Approved**

**Initials** J.P

**Date:** 16/05/2023

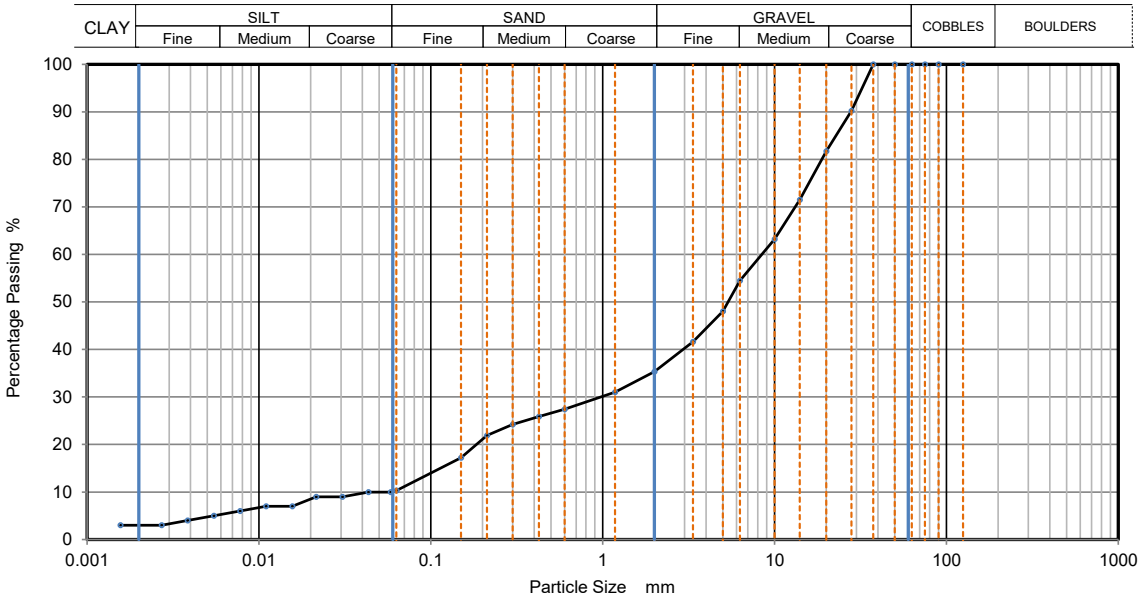
# PARTICLE SIZE DISTRIBUTION

| | | | | | |
|---|---|---|---|---|---|
| Site Name | SSL Lyons Farm, Worthing | | | Sample No. | - |
| Project No. | 2303011.001 | Client | TEC | Depth Top | 0.50 m |
| Soil Description | Brown slightly clayey silty very sandy GRAVEL (gravel is fmc and sub-angular to rounded) | | | Depth Base | 0.70 m |
| | | | | Sample Type | B |
| | | | | Samples received | 18/04/2023 |
| | | | | Schedules received | 14/04/2023 |
| Test Method | BS1377:Part 2: 1990, clause 9.0 | | | Project started | 18/04/2023 |
| | | | | Date tested | 10/05/2023 |

Job Ref: 33308

Borehole/Pit No.: BH01

*These results only apply to the items tested*




| Sieving | | Sedimentation | |
|---|---|---|---|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125 | 100 | 0.0584 | 10 |
| 90 | 100 | 0.0434 | 10 |
| 75 | 100 | 0.0305 | 9 |
| 63 | 100 | 0.0215 | 9 |
| 50 | 100 | 0.0156 | 7 |
| 37.5 | 100 | 0.0110 | 7 |
| 28 | 90 | 0.0078 | 6 |
| 20 | 82 | 0.0055 | 5 |
| 14 | 72 | 0.0038 | 4 |
| 10 | 63 | 0.0027 | 3 |
| 6.3 | 55 | 0.0016 | 3 |
| 5 | 48 | | |
| 3.35 | 42 | | |
| 2 | 35 | | |
| 1.18 | 31 | | |
| 0.6 | 27 | Particle density (assumed) | |
| 0.425 | 26 | 2.70 Mg/m3 | |
| 0.3 | 24 | | |
| 0.212 | 22 | | |
| 0.15 | 17 | | |
| 0.063 | 10 | | |

| Sample Proportions | % dry mass |
|---|---|
| Very coarse | 0.0 |
| Gravel | 64.7 |
| Sand | 24.9 |
| Silt | 7.2 |
| Clay | 3.2 |

| Grading Analysis | | |
|---|---|---|
| D100 | mm | |
| D60 | mm | 8.44 |
| D30 | mm | 0.975 |
| D10 | mm | 0.045 |
| Uniformity Coefficient | | 190 |
| Curvature Coefficient | | 2.5 |

Remarks

Preparation and testing in accordance with BS1377 unless noted below

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**K4 Soils Laboratory**

**Unit 8, Olds Close, Watford, Herts, WD18 9RU**

**Email: james@k4soils.com**

**Tel: 01923 711288**

**Checked and Approved**

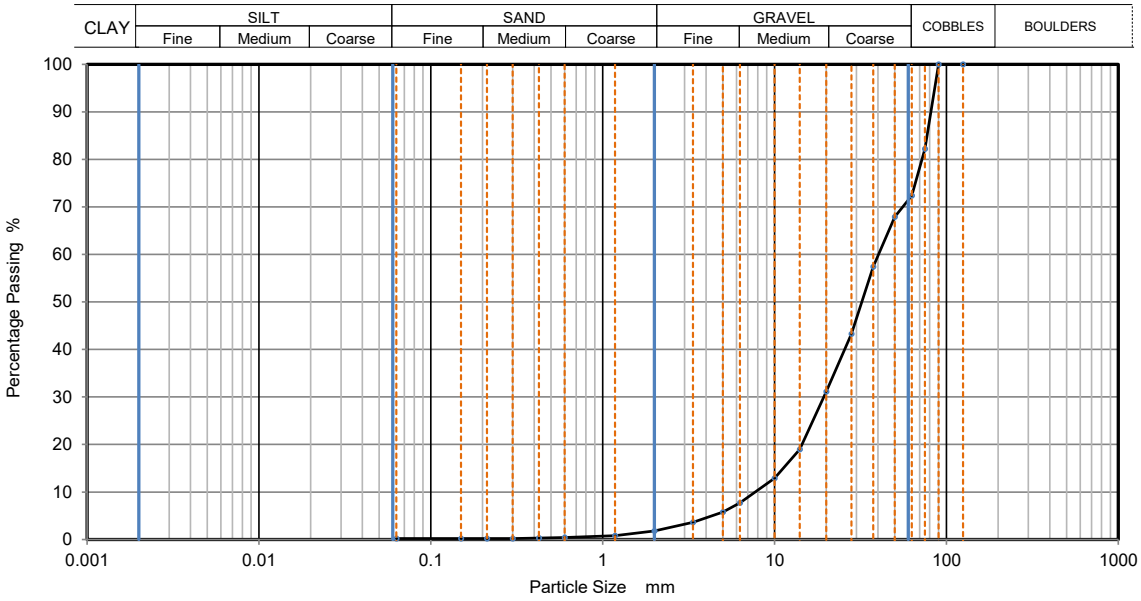
**Initials:** J.P

**Date:** 16/05/2023

# PARTICLE SIZE DISTRIBUTION

| | | | | | |
|---|---|---|---|---|---|
| | | | | Job Ref | 33308 |
| | | | | Borehole/Pit No. | BH01 |
| Site Name | SSL Lyons Farm, Worthing | | | Sample No. | - |
| Project No. | 2303011.001 | Client | TEC | Depth Top | 4.00 m |
| Soil Description | Orangish brown mottled brown slightly sandy GRAVEL with numerous cobbles (gravel is fmc and angular to rounded) | | | Depth Base | - m |
| | | | | Sample Type | B |
| | | | | Samples received | 18/04/2023 |
| | | | | Schedules received | 14/04/2023 |
| Test Method | BS1377:Part 2: 1990, clause 9.0 | | | Project started | 18/04/2023 |
| | | | | Date tested | 05/05/2023 |

*These results only apply to the items tested*




| Sieving | | Sedimentation | |
|---|---|---|---|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125 | 100 | | |
| 90 | 100 | | |
| 75 | 82 | | |
| 63 | 72 | | |
| 50 | 68 | | |
| 37.5 | 57 | | |
| 28 | 43 | | |
| 20 | 31 | | |
| 14 | 19 | | |
| 10 | 13 | | |
| 6.3 | 8 | | |
| 5 | 6 | | |
| 3.35 | 4 | | |
| 2 | 2 | | |
| 1.18 | 1 | | |
| 0.6 | 0 | | |
| 0.425 | 0 | | |
| 0.3 | 0 | | |
| 0.212 | 0 | | |
| 0.15 | 0 | | |
| 0.063 | 0 | | |

| Sample Proportions | % dry mass |
|---|---|
| Very coarse | 27.6 |
| Gravel | 70.7 |
| Sand | 1.6 |
| | |
| Fines <0.063mm | 0.2 |

| Grading Analysis | | |
|---|---|---|
| D100 | mm | |
| D60 | mm | 40.2 |
| D30 | mm | 19.4 |
| D10 | mm | 7.73 |
| Uniformity Coefficient | | 5.2 |
| Curvature Coefficient | | 1.2 |

Remarks

Preparation and testing in accordance with BS1377 unless noted below

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**K4 Soils Laboratory**

**Unit 8, Olds Close, Watford, Herts, WD18 9RU**

**Email: james@k4soils.com**

**Tel: 01923 711288**

**Checked and Approved**

**Initials:** **J.P**

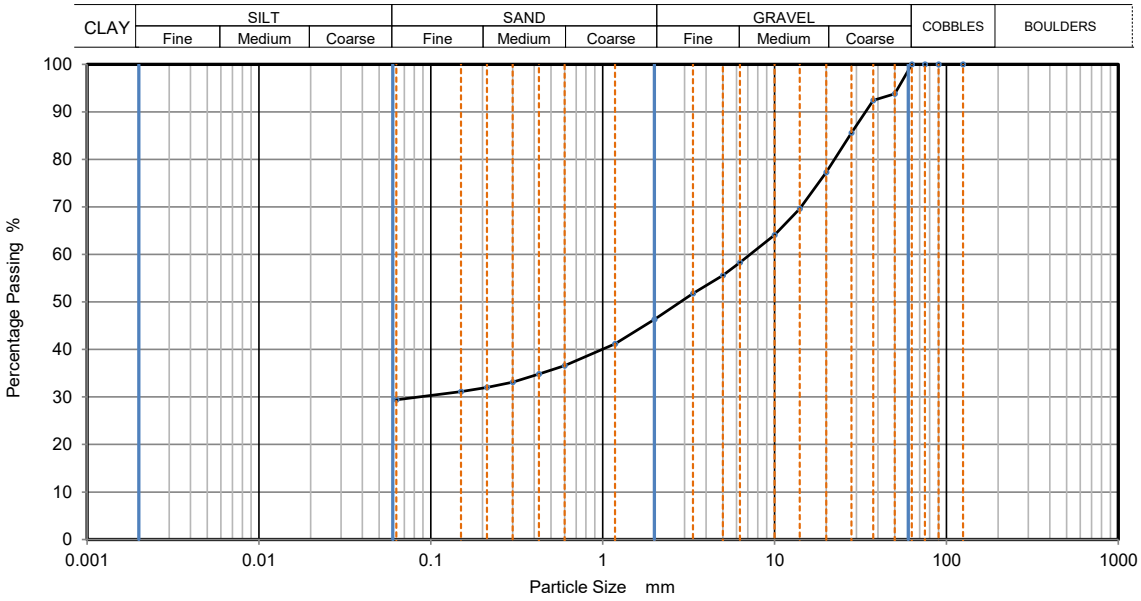
**Date:** 16/05/2023

**2519** Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr) MSF-5-R3

# PARTICLE SIZE DISTRIBUTION

| | | | | | |
|---|---|---|---|---|---|
| | | | | Job Ref | 33308 |
| | | | | Borehole/Pit No. | BH01 |
| Site Name | SSL Lyons Farm, Worthing | | | Sample No. | - |
| Project No. | 2303011.001 | Client | TEC | Depth Top | 6.20 m |
| Soil Description | Yellowish brown silty clayey sandy GRAVEL (gravel is fmc and sub-angular to sub-rounded) | | | Depth Base | 6.50 m |
| | | | | Sample Type | B |
| | | | | Samples received | 18/04/2023 |
| | | | | Schedules received | 14/04/2023 |
| Test Method | BS1377:Part 2: 1990, clause 9.0 | | | Project started | 18/04/2023 |
| | | | | Date tested | 11/05/2023 |

*These results only apply to the items tested*




| Sieving | | Sedimentation | |
|---|---|---|---|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125 | 100 | | |
| 90 | 100 | | |
| 75 | 100 | | |
| 63 | 100 | | |
| 50 | 94 | | |
| 37.5 | 92 | | |
| 28 | 86 | | |
| 20 | 77 | | |
| 14 | 70 | | |
| 10 | 64 | | |
| 6.3 | 58 | | |
| 5 | 56 | | |
| 3.35 | 52 | | |
| 2 | 46 | | |
| 1.18 | 41 | | |
| 0.6 | 37 | | |
| 0.425 | 35 | | |
| 0.3 | 33 | | |
| 0.212 | 32 | | |
| 0.15 | 31 | | |
| 0.063 | 29 | | |

| Sample Proportions | % dry mass |
|---|---|
| Very coarse | 0.0 |
| Gravel | 53.7 |
| Sand | 17.0 |
| | |
| Fines <0.063mm | 29.4 |

| Grading Analysis | | |
|---|---|---|
| D100 | mm | |
| D60 | mm | 7.23 |
| D30 | mm | 0.0864 |
| D10 | mm | |
| Uniformity Coefficient | | |
| Curvature Coefficient | | |

Remarks

Preparation and testing in accordance with BS1377 unless noted below

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**K4 Soils Laboratory**

**Unit 8, Olds Close, Watford, Herts, WD18 9RU**

**Email: james@k4soils.com**

**Tel: 01923 711288**

**Checked and Approved**

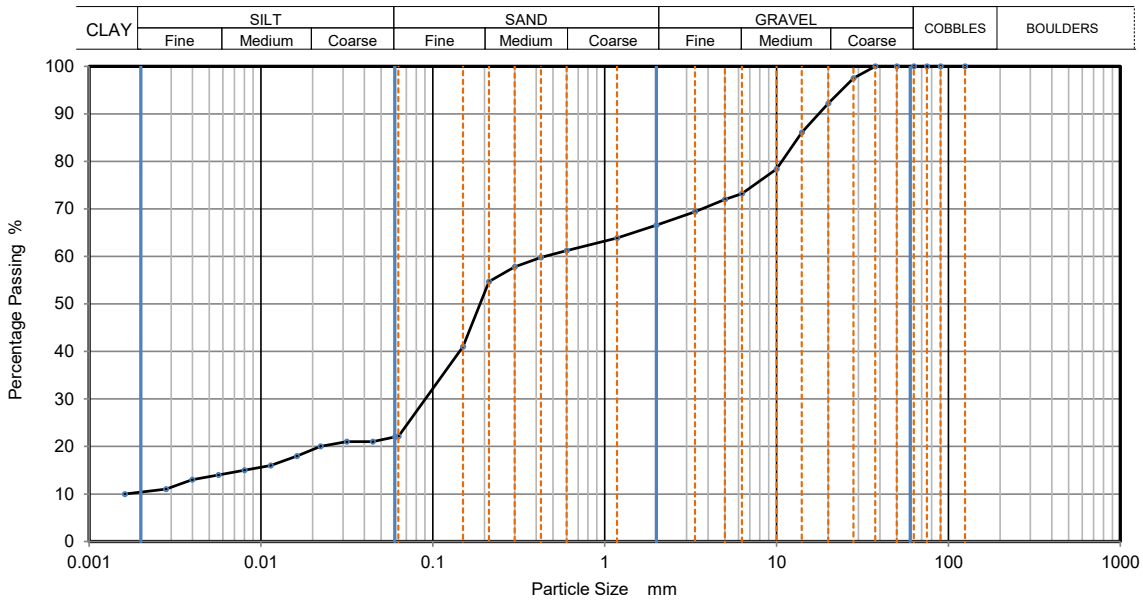
**Initials:** J.P

**Date:** 16/05/2023

# PARTICLE SIZE DISTRIBUTION

| | | | | | |
|---|---|---|---|---|---|
| Site Name | SSL Lyons Farm, Worthing | | | Job Ref | 33308 |
| | | | | Borehole/Pit No. | WS01A |
| Project No. | 2303011.001 | Client | TEC | Sample No. | - |
| | | | | Depth Top | 0.90 m |
| Soil Description | Yellowish brown clayey silty very gravelly SAND (gravel is fmc and sub-angular to sub-rounded) | | | Depth Base | - m |
| | | | | Sample Type | D |
| | | | | Samples received | 18/04/2023 |
| | | | | Schedules received | 14/04/2023 |
| Test Method | BS1377:Part 2: 1990, clause 9.0 | | | Project started | 18/04/2023 |
| | | | | Date tested | 11/05/2023 |

*These results only apply to the items tested*




| Sieving | | Sedimentation | |
|---|---|---|---|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125 | 100 | 0.0602 | 22 |
| 90 | 100 | 0.0447 | 21 |
| 75 | 100 | 0.0315 | 21 |
| 63 | 100 | 0.0222 | 20 |
| 50 | 100 | 0.0162 | 18 |
| 37.5 | 100 | 0.0114 | 16 |
| 28 | 98 | 0.0080 | 15 |
| 20 | 92 | 0.0056 | 14 |
| 14 | 86 | 0.0040 | 13 |
| 10 | 78 | 0.0028 | 11 |
| 6.3 | 73 | 0.0016 | 10 |
| 5 | 72 | | |
| 3.35 | 69 | | |
| 2 | 67 | | |
| 1.18 | 64 | | |
| 0.6 | 61 | Particle density (assumed) | |
| 0.425 | 60 | 2.70 Mg/m3 | |
| 0.3 | 58 | | |
| 0.212 | 55 | | |
| 0.15 | 41 | | |
| 0.063 | 22 | | |

| Sample Proportions | % dry mass |
|---|---|
| Very coarse | 0.0 |
| Gravel | 33.4 |
| Sand | 44.5 |
| Silt | 11.8 |
| Clay | 10.3 |

| Grading Analysis | | |
|---|---|---|
| D100 | mm | |
| D60 | mm | 0.446 |
| D30 | mm | 0.0907 |
| D10 | mm | 0.00175 |
| Uniformity Coefficient | | 260 |
| Curvature Coefficient | | 11 |

Remarks

Preparation and testing in accordance with BS1377 unless noted below

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**K4 Soils Laboratory**

**Unit 8, Olds Close, Watford, Herts, WD18 9RU**

**Email: james@k4soils.com**

**Tel: 01923 711288**

**Checked and Approved**

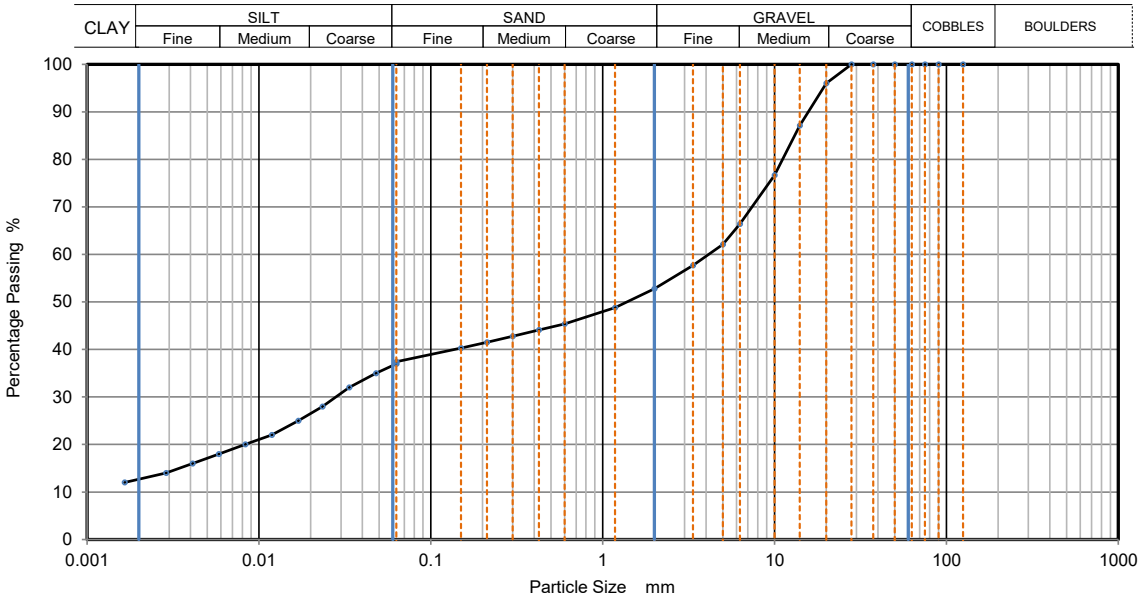
**Initials:** **J.P**

**Date:** 16/05/2023

# PARTICLE SIZE DISTRIBUTION

| | | | | | |
|---|---|---|---|---|---|
| Site Name | SSL Lyons Farm, Worthing | | | Job Ref | 33308 |
| | | | | Borehole/Pit No. | WS01A |
| Project No. | 2303011.001 | Client | TEC | Sample No. | - |
| | | | | Depth Top | 1.50 m |
| Soil Description | Brown slightly sandy gravelly silty CLAY (gravel is fmc and sub-angular to sub-rounded) | | | Depth Base | - m |
| | | | | Sample Type | D |
| | | | | Samples received | 18/04/2023 |
| | | | | Schedules received | 14/04/2023 |
| Test Method | BS1377:Part 2: 1990, clause 9.0 | | | Project started | 18/04/2023 |
| | | | | Date tested | 11/05/2023 |

*These results only apply to the items tested*




| Sieving | | Sedimentation | |
|---|---|---|---|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125 | 100 | 0.0630 | 37 |
| 90 | 100 | 0.0479 | 35 |
| 75 | 100 | 0.0335 | 32 |
| 63 | 100 | 0.0234 | 28 |
| 50 | 100 | 0.0169 | 25 |
| 37.5 | 100 | 0.0119 | 22 |
| 28 | 100 | 0.0083 | 20 |
| 20 | 96 | 0.0058 | 18 |
| 14 | 87 | 0.0041 | 16 |
| 10 | 77 | 0.0029 | 14 |
| 6.3 | 66 | 0.0017 | 12 |
| 5 | 62 | | |
| 3.35 | 58 | | |
| 2 | 53 | | |
| 1.18 | 49 | | |
| 0.6 | 45 | Particle density (assumed) | |
| 0.425 | 44 | 2.70 Mg/m3 | |
| 0.3 | 43 | | |
| 0.212 | 42 | | |
| 0.15 | 40 | | |
| 0.063 | 37 | | |

| Sample Proportions | % dry mass |
|---|---|
| Very coarse | 0.0 |
| Gravel | 47.2 |
| Sand | 15.4 |
| Silt | 24.8 |
| Clay | 12.6 |

| Grading Analysis | | |
|---|---|---|
| D100 | mm | |
| D60 | mm | 4.13 |
| D30 | mm | 0.0285 |
| D10 | mm | |
| Uniformity Coefficient | | |
| Curvature Coefficient | | |

Remarks

Preparation and testing in accordance with BS1377 unless noted below

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**K4 Soils Laboratory**

**Unit 8, Olds Close, Watford, Herts, WD18 9RU**

**Email: james@k4soils.com**

**Tel: 01923 711288**

**Checked and Approved**

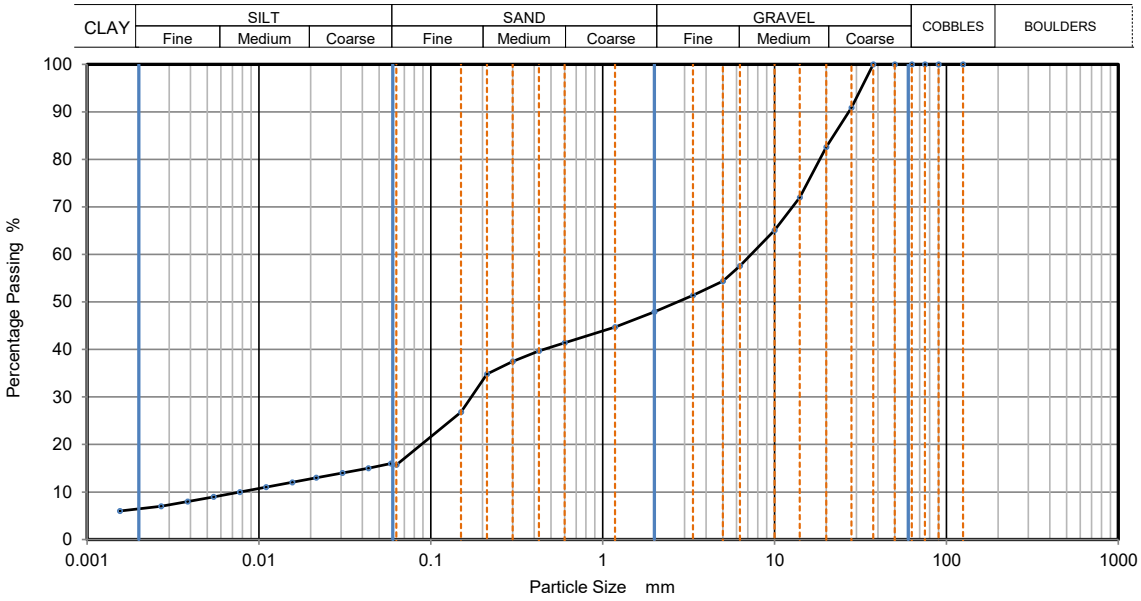
**Initials:** **J.P**

**Date:** 16/05/2023

# PARTICLE SIZE DISTRIBUTION

| | | | | | |
|---|---|---|---|---|---|
| Site Name | SSL Lyons Farm, Worthing | | | Job Ref | 33308 |
| | | | | Borehole/Pit No. | WS02A |
| Project No. | 2303011.001 | Client | TEC | Sample No. | - |
| | | | | Depth Top | 1.50 m |
| Soil Description | Brown clayey silty very sandy GRAVEL (gravel is fmc and sub-angular to sub-rounded) | | | Depth Base | - m |
| | | | | Sample Type | D |
| | | | | Samples received | 18/04/2023 |
| | | | | Schedules received | 14/04/2023 |
| Test Method | BS1377:Part 2: 1990, clause 9.0 | | | Project started | 18/04/2023 |
| | | | | Date tested | 11/05/2023 |

*These results only apply to the items tested*




| Sieving | | Sedimentation | |
|---|---|---|---|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125 | 100 | 0.0585 | 16 |
| 90 | 100 | 0.0434 | 15 |
| 75 | 100 | 0.0305 | 14 |
| 63 | 100 | 0.0215 | 13 |
| 50 | 100 | 0.0156 | 12 |
| 37.5 | 100 | 0.0110 | 11 |
| 28 | 91 | 0.0077 | 10 |
| 20 | 83 | 0.0055 | 9 |
| 14 | 72 | 0.0038 | 8 |
| 10 | 65 | 0.0027 | 7 |
| 6.3 | 58 | 0.0015 | 6 |
| 5 | 54 | | |
| 3.35 | 51 | | |
| 2 | 48 | | |
| 1.18 | 45 | | |
| 0.6 | 41 | Particle density (assumed) | |
| 0.425 | 40 | 2.70 Mg/m3 | |
| 0.3 | 38 | | |
| 0.212 | 35 | | |
| 0.15 | 27 | | |
| 0.063 | 16 | | |

| Sample Proportions | % dry mass |
|---|---|
| Very coarse | 0.0 |
| Gravel | 52.1 |
| Sand | 32.2 |
| Silt | 9.3 |
| Clay | 6.4 |

| Grading Analysis | | |
|---|---|---|
| D100 | mm | |
| D60 | mm | 7.31 |
| D30 | mm | 0.172 |
| D10 | mm | 0.00767 |
| Uniformity Coefficient | | 950 |
| Curvature Coefficient | | 0.53 |

Remarks

Preparation and testing in accordance with BS1377 unless noted below

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**K4 Soils Laboratory**

**Unit 8, Olds Close, Watford, Herts, WD18 9RU**

**Email: james@k4soils.com**

**Tel: 01923 711288**

**Checked and Approved**

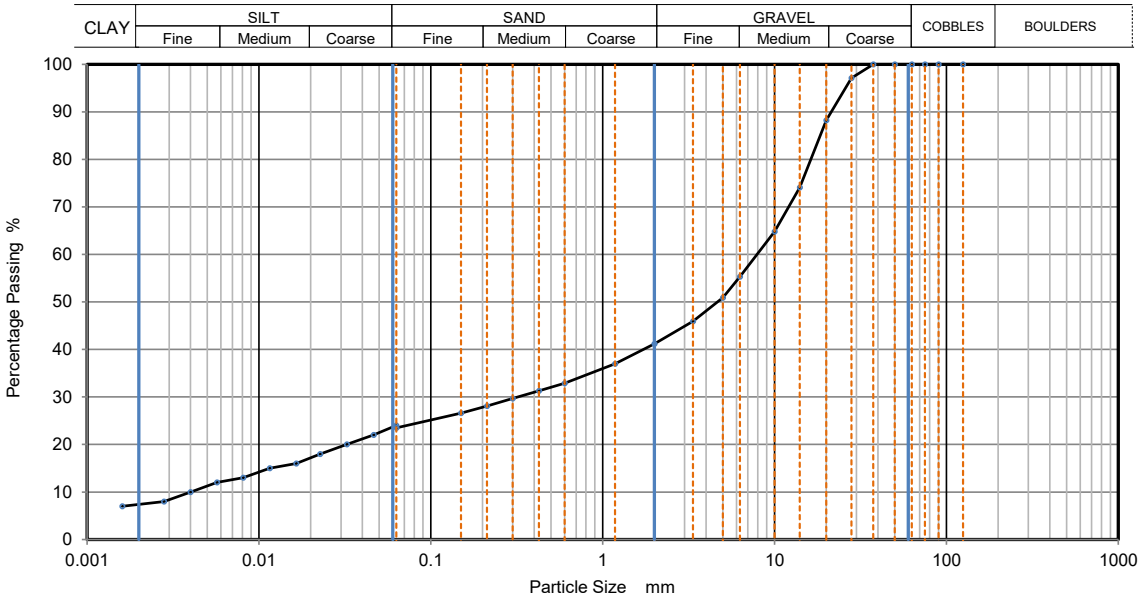
**Initials:** **J.P**

**Date:** 16/05/2023

# PARTICLE SIZE DISTRIBUTION

| | | | | | |
|---|---|---|---|---|---|
| Job Ref | 33308 | | | | |
| Borehole/Pit No. | WS02A | | | | |
| Site Name | SSL Lyons Farm, Worthing | | | Sample No. | - |
| Project No. | 2303011.001 | Client | TEC | Depth Top | 2.50 m |
| Soil Description | Brown clayey silty sandy GRAVEL (gravel is fmc and sub-angular to sub-rounded) | | | Depth Base | - m |
| | | | | Sample Type | D |
| | | | | Samples received | 18/04/2023 |
| | | | | Schedules received | 14/04/2023 |
| Test Method | BS1377:Part 2: 1990, clause 9.0 | | | Project started | 18/04/2023 |
| | | | | Date tested | 11/05/2023 |

*These results only apply to the items tested*




| Sieving | | Sedimentation | |
|---|---|---|---|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125 | 100 | 0.0629 | 24 |
| 90 | 100 | 0.0464 | 22 |
| 75 | 100 | 0.0325 | 20 |
| 63 | 100 | 0.0227 | 18 |
| 50 | 100 | 0.0165 | 16 |
| 37.5 | 100 | 0.0116 | 15 |
| 28 | 97 | 0.0081 | 13 |
| 20 | 88 | 0.0057 | 12 |
| 14 | 74 | 0.0040 | 10 |
| 10 | 65 | 0.0028 | 8 |
| 6.3 | 55 | 0.0016 | 7 |
| 5 | 51 | | |
| 3.35 | 46 | | |
| 2 | 41 | | |
| 1.18 | 37 | | |
| 0.6 | 33 | Particle density (assumed) | |
| 0.425 | 31 | 2.70 Mg/m3 | |
| 0.3 | 30 | | |
| 0.212 | 28 | | |
| 0.15 | 27 | | |
| 0.063 | 24 | | |

| Sample Proportions | % dry mass |
|---|---|
| Very coarse | 0.0 |
| Gravel | 58.8 |
| Sand | 17.7 |
| Silt | 15.8 |
| Clay | 7.7 |

| Grading Analysis | | |
|---|---|---|
| D100 | mm | |
| D60 | mm | 7.93 |
| D30 | mm | 0.32 |
| D10 | mm | 0.00379 |
| Uniformity Coefficient | | 2100 |
| Curvature Coefficient | | 3.4 |

Remarks

Preparation and testing in accordance with BS1377 unless noted below

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**K4 Soils Laboratory**

**Unit 8, Olds Close, Watford, Herts, WD18 9RU**

**Email: james@k4soils.com**

**Tel: 01923 711288**

**Checked and Approved**

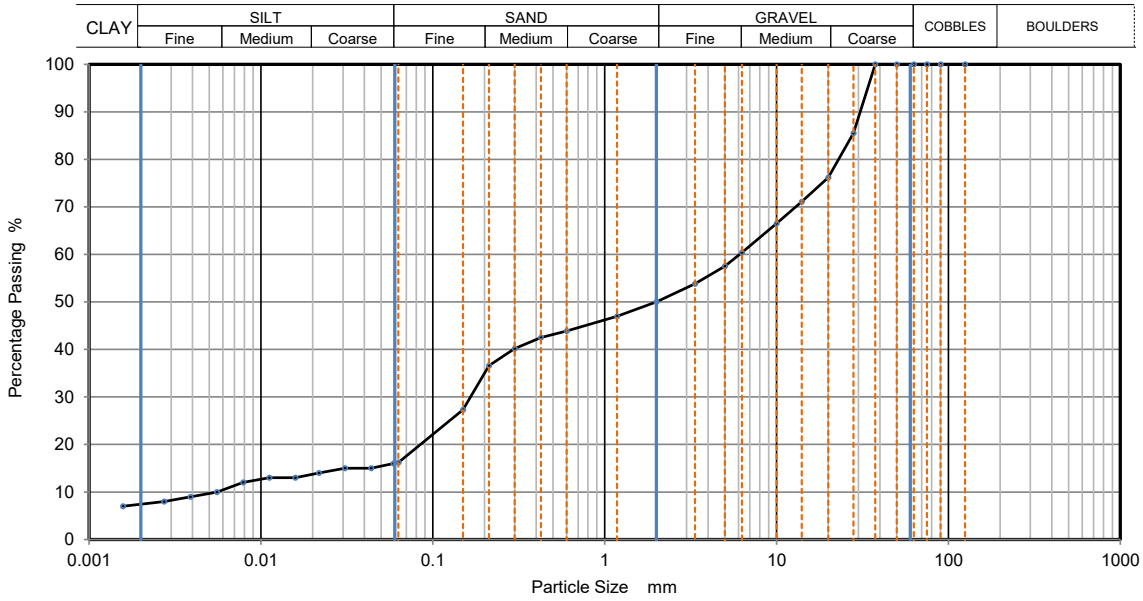
**Initials:** **J.P**

**Date:** 16/05/2023

# PARTICLE SIZE DISTRIBUTION

| | | | | | |
|---|---|---|---|---|---|
| Job Ref | 33308 | | | | |
| Borehole/Pit No. | WS03 | | | | |
| Site Name | SSL Lyons Farm, Worthing | | | Sample No. | - |
| Project No. | 2303011.001 | Client | TEC | Depth Top | 1.50 m |
| Soil Description | Brown clayey silty very sandy GRAVEL (gravel is fmc and sub-angular to sub-rounded) | | | Depth Base | - m |
| | | | | Sample Type | D |
| | | | | Samples received | 18/04/2023 |
| | | | | Schedules received | 14/04/2023 |
| Test Method | BS1377:Part 2: 1990, clause 9.0 | | | Project started | 18/04/2023 |
| | | | | Date tested | 11/05/2023 |

*These results only apply to the items tested*




| Sieving | | Sedimentation | |
|---|---|---|---|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125 | 100 | 0.0590 | 16 |
| 90 | 100 | 0.0438 | 15 |
| 75 | 100 | 0.0308 | 15 |
| 63 | 100 | 0.0218 | 14 |
| 50 | 100 | 0.0158 | 13 |
| 37.5 | 100 | 0.0112 | 13 |
| 28 | 86 | 0.0079 | 12 |
| 20 | 76 | 0.0055 | 10 |
| 14 | 71 | 0.0039 | 9 |
| 10 | 67 | 0.0027 | 8 |
| 6.3 | 60 | 0.0016 | 7 |
| 5 | 58 | | |
| 3.35 | 54 | | |
| 2 | 50 | | |
| 1.18 | 47 | | |
| 0.6 | 44 | Particle density (assumed) | |
| 0.425 | 43 | 2.70 Mg/m3 | |
| 0.3 | 40 | | |
| 0.212 | 37 | | |
| 0.15 | 27 | | |
| 0.063 | 16 | | |

| Sample Proportions | % dry mass |
|---|---|
| Very coarse | 0.0 |
| Gravel | 50.0 |
| Sand | 33.9 |
| Silt | 8.8 |
| Clay | 7.3 |

| Grading Analysis | | |
|---|---|---|
| D100 | mm | |
| D60 | mm | 6.09 |
| D30 | mm | 0.166 |
| D10 | mm | 0.00494 |
| Uniformity Coefficient | | 1200 |
| Curvature Coefficient | | 0.91 |

Remarks

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**K4 Soils Laboratory**

**Unit 8, Olds Close, Watford, Herts, WD18 9RU**

**Email: james@k4soils.com**

**Tel: 01923 711288**

**Checked and Approved**

**Initials:** **J.P**

**Date:** 16/05/2023

**Unit A2**
**Windmill Road**
**Ponswood Industrial Estate**
**St Leonards on Sea**
**East Sussex**
**TN38 9BY**
Telephone: (01424) 718618

cs@elab-uk.co.uk
info@elab-uk.co.uk

2683

## THE ENVIRONMENTAL LABORATORY LTD

| | |
|---|---|
| **Analytical Report Number:** | 23-47681 |
| **Issue:** | 1 |
| **Date of Issue:** | 24/04/2023 |
| **Contact:** | Reinier van der Kuip |
| **Customer Details:** | TEC<br>The Old Chapel<br>35A Southover<br>Wells<br>SomersetBA5 1UH |
| **Quotation No:** | Q22-03427 |
| **Order No:** | 2303011.001 |
| **Customer Reference:** | 2303011.001 |
| **Date Received:** | 17/04/2023 |
| **Date Approved:** | 24/04/2023 |
| **Details:** | SSL Lyons Farm, Worthing |
| **Approved by:** | |

Tim Reeve, Quality Officer

Any comments, opinions or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683

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# Sample Summary

**Report No.: 23-47681, issue number 1**

| Elab No. | Client's Ref. | Date Sampled | Date Scheduled | Description | Deviations |
|---|---|---|---|---|---|
| 318408 | BH01 1.00 | 12/04/2023 | 17/04/2023 | Loamy sand | |
| 318409 | BH01 2.20 | 12/04/2023 | 17/04/2023 | Silty loam | |
| 318410 | BH01 2.80 | 12/04/2023 | 17/04/2023 | Silty loam | |
| 318411 | BH01 7.00 | 13/04/2023 | 17/04/2023 | Silty loam + Chalk | |
| 318412 | WS01A 1.30 | 13/04/2023 | 17/04/2023 | | |
| 318413 | WS02A 0.90 | 13/04/2023 | 17/04/2023 | Sandy silty loam | |
| 318414 | WS03 2.30 | Not Provided | 17/04/2023 | Silty clayey loam | a |
| 318415 | WS03 3.50 | Not Provided | 17/04/2023 | Silty loam + Chalk | a |

# Results Summary

**Report No.: 23-47681, issue number 1**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ELAB Reference | 318408 | 318409 | 318410 | 318411 | 318413 | 318414 | 318415 |
| | | | | Customer Reference | | | | | | | |
| | | | | Sample ID | | | | | | | |
| | | | | Sample Type | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | Sample Location | BH01 | BH01 | BH01 | BH01 | WS02A | WS03 | WS03 |
| | | | | Sample Depth (m) | 1.00 | 2.20 | 2.80 | 7.00 | 0.90 | 2.30 | 3.50 |
| | | | | Sampling Date | 12/04/2023 | 12/04/2023 | 12/04/2023 | 13/04/2023 | 13/04/2023 | Not Provided | Not Provided |
| **Determinand** | **Codes** | **Units** | **LOD** | | | | | | | | |
| **Soil sample preparation parameters** | | | | | | | | | | | |
| Moisture Content | N | % | 0.1 | | 15.7 | 15.5 | 20.1 | 13.9 | 13.0 | 13.6 | 12.4 |
| Material removed | N | % | 0.1 | | 17.8 | 25.8 | 13.3 | 11.0 | 34.9 | 34.1 | 19.1 |
| Description of Inert material removed | N | | 0 | | stone | stone | stone | stone | stone | stone | stone |
| **Metals** | | | | | | | | | | | |
| Water Soluble Magnesium | N | mg/l | 0.1 | | 0.1 | < 0.1 | < 0.1 | n/t | < 0.1 | 0.3 | 0.2 |
| **Anions** | | | | | | | | | | | |
| Water Soluble Chloride | M | mg/l | 20 | | 52 | 28 | 22 | n/t | < 20 | < 20 | ^ < 20 |
| Water Soluble Nitrate | M | mg/l | 20 | | 30 | 44 | 27 | n/t | 34 | < 20 | 22 |
| Water Soluble Sulphate | M | mg/l | 20 | | 200 | 83 | 79 | ^ 62 | 52 | 30 | ^ 32 |
| **Inorganics** | | | | | | | | | | | |
| Total Sulphur | N | % | 0.01 | | 0.05 | 0.02 | 0.05 | 0.01 | 0.03 | 0.02 | 0.02 |
| Acid Soluble Sulphate (SO4) | U | % | 0.02 | | 0.12 | 0.05 | 0.05 | 0.04 | 0.07 | 0.04 | 0.05 |
| **Miscellaneous** | | | | | | | | | | | |
| pH | M | pH units | 0.1 | | 8.9 | 8.9 | 8.4 | ^ 9.2 | 9.5 | 8.6 | ^ 8.8 |

# Method Summary

**Report No.: 23-47681, issue number 1**

| Parameter | Codes | Analysis Undertaken On | Date Tested | Method Number | Technique |
|---|---|---|---|---|---|
| **Soil** | | | | | |
| pH | M | Air dried sample | 18/04/2023 | 113 | Electromeric |
| Acid Soluble Sulphate | U | Air dried sample | 24/04/2023 | 115 | Ion Chromatography |
| W. Sol Metals | N | Air dried sample | 23/04/2023 | 300 | ICPMS |
| Water soluble anions | M | Air dried sample | 20/04/2023 | 172 | Ion Chromatography |
| Total organic carbon/Total sulphur | N | Air dried sample | 19/04/2023 | 216 | IR |

Tests marked N are not UKAS accredited

# Report Information

**Report No.: 23-47681, issue number 1**

**Key**

| | |
|---|---|
| U | hold UKAS accreditation |
| M | hold MCERTS and UKAS accreditation |
| N | do not currently hold UKAS accreditation |
| ^ | MCERTS accreditation not applicable for sample matrix |
| * | UKAS accreditation not applicable for sample matrix |
| S | Subcontracted to approved laboratory UKAS Accredited for the test |
| SM | Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test |
| NS | Subcontracted to approved laboratory. UKAS accreditation is not applicable. |
| I/S | Insufficient Sample |
| U/S | Unsuitable sample |
| n/t | Not tested |
| < | means "less than" |
| > | means "greater than" |
| LOD | LOD refers to limit of detection, except in the case of pH soils and pH waters where it means limit of discrimination. |
| | Soil sample results are expressed on an air dried basis (dried at < 30°C), and are uncorrected for inert material removed. |
| | ELAB are unable to provide an interpretation or opinion on the content of this report. |
| | The results relate only to the sample received. |
| | PCB congener results may include any coeluting PCBs |
| | Uncertainty of measurement for the determinands tested are available upon request |
| | Unless otherwise stated, sample information has been provided by the client. This may affect the validity of the results. |

**Deviation Codes**

| | |
|---|---|
| a | No date of sampling supplied |
| b | No time of sampling supplied (Waters Only) |
| c | Sample not received in appropriate containers |
| d | Sample not received in cooled condition |
| e | The container has been incorrectly filled |
| f | Sample age exceeds stability time (sampling to receipt) |
| g | Sample age exceeds stability time (sampling to analysis) |

Where a sample has a deviation code, the applicable test result may be invalid.

**Sample Retention and Disposal**

All soil samples will be retained for a period of one month
All water samples will be retained for 7 days following the date of the test report
Charges may apply to extended sample storage

**TPH Classification - HWOL Acronym System**

| | |
|---|---|
| HS | Headspace analysis |
| EH | Extractable Hydrocarbons - i.e. everything extracted by the solvent |
| CU | Clean-up - e.g. by florisil, silica gel |
| 1D | GC - Single coil gas chromatography |
| Total | Aliphatics & Aromatics |
| AL | Aliphatics only |
| AR | Aromatics only |
| 2D | GC-GC - Double coil gas chromatography |
| #1 | EH_Total but with humics mathematically subtracted |
| #2 | EH_Total but with fatty acids mathematically subtracted |
| _ | Operator - underscore to separate acronyms (exception for +) |
| + | Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total |
| MS | Mass Spectrometry |

Appendix I

Ground Gas Monitoring Results

# Ground Gas Monitoring Results

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Project: | SSL Lyons Farm, Worthing | Gas analyser: | GFM 436 | Preceding Weather Conditions | | On-site weather conditions | General Site Conditions / Ground Conditions / On-site Activities |
| Project Number: | 2303011.001 | Condition: | Calibrated | Atmospheric trend: | 990 - 1020 (rising) | Wet; Overcast; Occasional Showers | Active Carpark |
| Location: | Worthing | Dip meter: | 30m Black | Temperature range: | 5 - 14°c | | |
| Test Date: | 13/04/2023 | Operator: | RK | Rainfall: | 1.71 | | |

***GAS MONITORING TO BE UNDERTAKEN IN ACCORDANCE WITH TEC METHOD STATEMENT***

| Borehole Information | Time (s) | Borehole Flow Rate (l/hr) | DP (Pa) | Gas Concentrations | | | | | | Groundwater Level | Borehole Depth | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | CH4 (%v/v) | CO2 (%v/v) | O2 (%v/v) | LEL (%) | CO (ppm) | H2S (ppm) | | | |
| **BH ref: WS01A** | Atmospheric Conditions | 0 | 0 | 0 | 0 | 20.3 | <<<.< | 0 | 0 | DRY | 2.85mbgl | |
| **Time: 12:00** | 0 | -0.1 | 0 | 0.0 | 0.1 | 20.1 | <<<.< | 0 | 0 | | | |
| | 15 | -0.4 | -2 | 0.0 | 0.1 | 20.1 | <<<.< | 0 | 0 | | | |
| **Atmospheric pressure (mb) before: 1005** | 30 | -0.7 | -3 | 0.0 | 0.1 | 20.1 | <<<.< | 0 | 0 | | | |
| | 45 | -0.4 | -2 | 0.0 | 0.1 | 20.1 | <<<.< | 0 | 0 | | | |
| | 60 | -0.4 | -2 | 0.0 | 0.1 | 20.1 | <<<.< | 0 | 0 | | | |
| **Atmospheric preassure (mb) after: 1005** | 120 | | | 0.0 | 0.1 | 20.1 | <<<.< | 0 | 0 | | | |
| | 180 | | | 0.0 | 0.1 | 20.0 | <<<.< | 0 | 0 | | | |
| | | | | | | | | | | | | |
| **Well Condition: Good** | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| **Well Diameter: 50mm** | | | | | | | | | | | | |
| | | | | | | | | | | | | |

| Borehole Information | Time (s) | Borehole Flow Rate (l/hr) | DP (Pa) | Gas Concentrations | | | | | | Groundwater Level | Borehole Depth | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | CH4 (%v/v) | CO2 (%v/v) | O2 (%v/v) | LEL (%) | CO (ppm) | H2S (ppm) | | | |
| **BH ref: WS02A** | Atmospheric Conditions | 0 | 0 | 0 | 0 | 20.4 | <<<.< | 0 | 0 | Dry | 3.70mbgl | |
| **Time: 12:30** | 0 | 0.0 | 0 | 0.0 | 0.0 | 20.3 | <<<.< | 0 | 0 | | | |
| | 15 | 0.0 | 0 | 0.0 | 0.0 | 20.3 | <<<.< | 0 | 0 | | | |
| **Atmospheric pressure (mb) before: 1005** | 30 | -0.4 | -2 | 0.0 | 0.0 | 20.3 | <<<.< | 0 | 0 | | | |
| | 45 | -0.4 | -2 | 0.0 | 0.0 | 20.3 | <<<.< | 0 | 0 | | | |
| | 60 | -0.4 | -2 | 0.0 | 0.0 | 20.3 | <<<.< | 0 | 0 | | | |
| **Atmospheric preassure (mb) after: 1004** | 120 | | | 0.0 | 0.0 | 20.2 | <<<.< | 0 | 0 | | | |
| | 180 | | | 0.0 | 0.0 | 20.2 | <<<.< | 0 | 0 | | | |
| | | | | | | | | | | | | |
| **Well Condition: Good** | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| **Well Diameter: 50mm** | | | | | | | | | | | | |
| | | | | | | | | | | | | |

| Borehole Information | Time (s) | Borehole Flow Rate (l/hr) | DP (Pa) | Gas Concentrations | | | | | | Groundwater Level | Borehole Depth | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | CH4 (%v/v) | CO2 (%v/v) | O2 (%v/v) | LEL (%) | CO (ppm) | H2S (ppm) | | | |
| **BH ref: WS03** | Atmospheric Conditions | 0 | 0 | 0 | 0 | 20.7 | <<<.< | 0 | 0 | Dry | 4.83mbgl | |
| **Time: 13:30** | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 20.6 | <<<.< | 0 | 0 | | | |
| | 15 | 0.0 | 0.0 | 0.0 | 0.0 | 20.6 | <<<.< | 0 | 0 | | | |
| **Atmospheric pressure (mb) before: 1002** | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 20.5 | <<<.< | 0 | 0 | | | |
| | 45 | 0.0 | 0.0 | 0.0 | 0.0 | 20.4 | <<<.< | 0 | 0 | | | |
| | 60 | 0.0 | 0.0 | 0.0 | 0.0 | 20.4 | <<<.< | 0 | 0 | | | |
| **Atmospheric preassure (mb) after: 1002** | 120 | | | 0.0 | 0.0 | 20.4 | <<<.< | 0 | 0 | | | |
| | 180 | | | 0.0 | 0.0 | 20.4 | <<<.< | 0 | 0 | | | |
| | | | | | | | | | | | | |
| **Well Condition: Good** | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| **Well Diameter: 50mm** | | | | | | | | | | | | |
| | | | | | | | | | | | | |

# Appendix J

# Generic Quantitative Risk Assessment: Human Health

| Project Number: 2303011.001 | | Lab Sample Number | 647137 | 647138 | 647139 | 647140 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Project Name: SSL Lyons Farm, Worthing | | Sample Reference | BH01 | WS01 | WS02A | WS03 | | | | | |
| Site End Use: GOL Extension | GAC (mg/kg) | Sample Number | None Supplied | None Supplied | None Supplied | None Supplied | | | | | |
| *Commercial* | | Depth (m) | 0.30 - 0.50 | 0.60 - 0.70 | 0.50 - 0.60 | 0.50 - 0.70 | | | | | |
| | | Date Sampled | 12/04/2023 | 13/04/2023 | 14/04/2023 | 15/04/2023 | | | | | |
| **Determinand** | | | 1 | 2 | 3 | 4 | | | | | |
| Arsenic | 640[1] | mg/kg | 9 | 10 | 6 | 7 | | | | | |
| Boron | 240000[3] | mg/kg | < 1 | 1.4 | < 1 | < 1 | | | | | |
| Cadmium | 410[1] | mg/kg | 0.9 | 1.4 | < 0.2 | 0.2 | | | | | |
| Chromium (total) | 8600[3] | mg/kg | 18 | 17 | 10 | 11 | | | | | |
| Chromium (VI) | 49[1] | mg/kg | < 2 | < 2 | < 2 | < 2 | | | | | |
| Copper | 68000[3] | mg/kg | 15 | 52 | 9 | 9 | | | | | |
| Lead | 2300[1] | mg/kg | 5 | 104 | 8 | 9 | | | | | |
| Mercury | 3600[2] | mg/kg | < 1 | < 1 | < 1 | < 1 | | | | | |
| Nickel | 1800[2] | mg/kg | 11 | 16 | 17 | 21 | | | | | |
| Selenium | 13000[2] | mg/kg | < 2 | < 2 | < 2 | < 2 | | | | | |
| Zinc | 730000[3] | mg/kg | 26 | 197 | 30 | 33 | | | | | |
| Beryllium | 12[3] | mg/kg | 0.8 | 0.8 | 0.8 | 0.9 | | | | | |
| Vanadium | 9000[3] | mg/kg | 32 | 28 | 14 | 17 | | | | | |
| Barium | 22000[4] | mg/kg | 76 | 101 | 124 | 135 | | | | | |
| Cyanide (Total) | 20[5] | mg/kg | < 1 | < 1 | < 1 | < 1 | | | | | |
| Phenol (Monohydric) | 440[3] | mg/kg | < 2 | < 2 | < 2 | < 2 | | | | | |
| Sulphide | - | mg/kg | < 5 | < 5 | < 5 | < 5 | | | | | |
| Total Organic Carbon (TOC) | - | % | 2.3 | 7.7 | 0.3 | 0.2 | | | | | |
| Naphthalene | 190[3] | mg/kg | < 0.1 | < 0.1 | < 0.1 | < 0.1 | | | | | |
| Acenaphthylene | 83000[3] | mg/kg | < 0.1 | < 0.1 | < 0.1 | < 0.1 | | | | | |
| Acenaphthene | 84000[3] | mg/kg | < 0.1 | < 0.1 | < 0.1 | < 0.1 | | | | | |
| Fluorene | 63000[3] | mg/kg | < 0.1 | < 0.1 | < 0.1 | < 0.1 | | | | | |
| Phenanthrene | 22000[3] | mg/kg | < 0.1 | 0.39 | < 0.1 | < 0.1 | | | | | |
| Anthracene | 520000[3] | mg/kg | < 0.1 | < 0.1 | < 0.1 | < 0.1 | | | | | |
| Fluoranthene | 23000[3] | mg/kg | < 0.1 | 1.19 | < 0.1 | < 0.1 | | | | | |
| Pyrene | 54000[3] | mg/kg | < 0.1 | 1.04 | < 0.1 | < 0.1 | | | | | |
| Benzo(a)anthracene | 170[3] | mg/kg | < 0.1 | 0.50 | < 0.1 | < 0.1 | | | | | |
| Chrysene | 350[3] | mg/kg | < 0.1 | 0.61 | < 0.1 | < 0.1 | | | | | |
| Benzo(b)fluoranthene | 44[3] | mg/kg | < 0.1 | 0.60 | < 0.1 | < 0.1 | | | | | |
| Benzo(k)fluoranthene | 1200[3] | mg/kg | < 0.1 | 0.26 | < 0.1 | < 0.1 | | | | | |
| Benzo(a)pyrene | 35[3] | mg/kg | < 0.1 | 0.46 | < 0.1 | < 0.1 | | | | | |
| Indeno(1,2,3-cd)pyrene | 500[3] | mg/kg | < 0.1 | 0.43 | < 0.1 | < 0.1 | | | | | |
| Dibenz(a,h)anthracene | 3.5[3] | mg/kg | < 0.1 | < 0.1 | < 0.1 | < 0.1 | | | | | |
| Benzo(ghi)perylene | 3900[3] | mg/kg | < 0.1 | 0.39 | < 0.1 | < 0.1 | | | | | |
| Speciated Total EPA-16 PAHs | - | mg/kg | < 1.6 | 5.9 | < 1.6 | < 1.6 | | | | | |
| Benzene | 27[3] | µg/kg | < 2 | < 2 | < 2 | < 2 | | | | | |
| Toluene | 56000[3] | µg/kg | < 5 | < 5 | < 5 | < 5 | | | | | |
| Ethylbenzene | 5700[3] | µg/kg | < 2 | < 2 | < 2 | < 2 | | | | | |
| p & m-xylene | 5900[3] | µg/kg | < 2 | < 2 | < 2 | < 2 | | | | | |
| o-xylene | 6600[3] | µg/kg | < 2 | < 2 | < 2 | < 2 | | | | | |
| MTBE (Methyl Tertiary Butyl Ether) | 7900[4] | µg/kg | < 5 | < 5 | < 5 | < 5 | | | | | |
| TPH Aliphatic C5 - C6 | 3200[3] | mg/kg | < 0.01 | < 0.01 | < 0.01 | < 0.01 | | | | | |
| TPH Aliphatic C6 - C8 | 7800[3] | mg/kg | < 0.05 | < 0.05 | < 0.05 | < 0.05 | | | | | |
| TPH Aliphatic C8 - C10 | 2000[3] | mg/kg | < 2 | < 2 | < 2 | < 2 | | | | | |
| TPH Aliphatic C10 - C12 | 9700[3] | mg/kg | < 2 | < 2 | < 2 | < 2 | | | | | |
| TPH Aliphatic C12 - C16 | 59000[3] | mg/kg | < 3 | < 3 | < 3 | < 3 | | | | | |
| TPH Aliphatic C16 - C21 | 1600000[3] | mg/kg | < 3 | < 3 | < 3 | < 3 | | | | | |
| TPH Aliphatic C21 - C35 | 1600000[3] | mg/kg | 108 | < 10 | < 10 | < 10 | | | | | |
| TPH Aromatic C5 - C7 | 26000[3] | mg/kg | < 0.01 | < 0.01 | < 0.01 | < 0.01 | | | | | |
| TPH Aromatic C7 - C8 | 56000[3] | mg/kg | < 0.05 | < 0.05 | < 0.05 | < 0.05 | | | | | |
| TPH Aromatic C8 - C10 | 3500[3] | mg/kg | < 2 | < 2 | < 2 | < 2 | | | | | |
| TPH Aromatic C10 - C12 | 16000[3] | mg/kg | < 2 | < 2 | < 2 | < 2 | | | | | |
| TPH Aromatic C12 - C16 | 36000[3] | mg/kg | < 2 | < 2 | < 2 | < 2 | | | | | |
| TPH Aromatic C16 - C21 | 28000[3] | mg/kg | < 3 | 3 | < 3 | < 3 | | | | | |
| TPH Aromatic C21 - C35 | 28000[3] | mg/kg | 83 | < 10 | < 10 | < 10 | | | | | |

Notes:

[1] DEFRA C4SLs (2014)

[2] Environment Agency SGVs (2009)

[3] LQM/CIEH S4ULs (2015)

[4] CL:AIRE, AGS & EIS (2009)

[5] Dutch Intervention Value for free cyanide (VROM 2000)

*All GACs based on a sandy soil and Soil Organic Matter (SOM) of 1% where applicable.

Concentration does not exceed GAC

Concentration exceeds GAC

No set GAC

# Appendix K

## DCP-TRL Results

# TRL Dynamic Cone Penetration Test Results

# DCP1

| Cumulative Blow Count | Penetration (mm) | Penetration Index (DPI) mm/blow | Estimated CBR[1] (%) | Adjusted CBR[2] (%) |
|---|---|---|---|---|
| 0 | 111 | | | |
| 1 | 270 | 159.0 | 1.4 | 1.1 |
| 2 | 369 | 99.0 | 2.3 | 1.9 |
| 3 | 465 | 96.0 | 2.4 | 2.0 |
| 4 | 512 | 47.0 | 5.2 | 4.4 |
| 5 | 522 | 10.0 | 26.5 | 22.8 |
| 7 | 538 | 8.0 | 33.5 | 29.0 |
| 9 | 557 | 9.5 | 28.0 | 24.4 |
| 11 | 570 | 6.5 | 41.8 | 36.6 |
| 13 | 581 | 5.5 | 49.8 | 43.8 |
| 15 | 589 | 4.0 | 69.8 | 61.4 |
| 17 | 596 | 3.5 | 80.3 | 70.9 |
| 19 | 605 | 4.5 | 61.6 | 54.5 |
| 22 | 621 | 5.3 | 51.5 | 45.8 |
| 25 | 630 | 3.0 | 94.6 | 84.4 |
| 28 | 635 | 1.7 | 176.0 | 157.4 |
| 31 | 639 | 1.3 | 222.8 | 199.5 |
| 36 | 644 | 1.0 | 302.0 | 270.8 |
| 41 | 652 | 1.6 | 183.8 | 165.2 |

## DCP1

| | |
|---|---|
| Project: | SSL Lyons Farm, Worthing |
| Project No. | 2303011.001 |
| Client: | Sainsbury's Supermarkets Limited |
| Test No. | DCP1 |
| Test Date: | 12/04/2023 |
| Surface Moisture: | Moderate |
| Soil Type | Slightly clayey sandy gravel |

| Notes/Comments |
|---|
| DCP carried out within WS01. |
| Terminated due to refusal. |

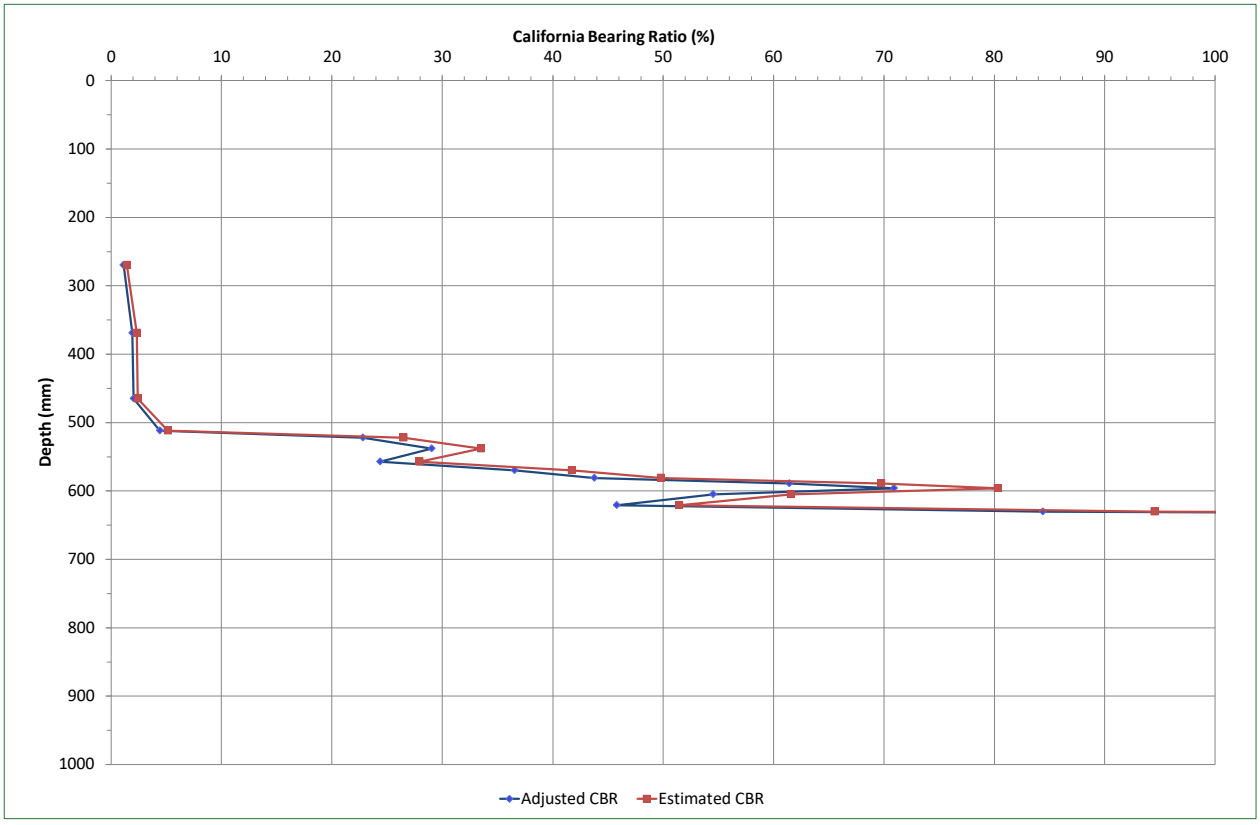
Notes:

1. CBR Value calculated using Jones C R and J Rolt (1991), "*Operating instructions for the TRL dynamic cone penetrometer*" (2nd edition). Information Note. Crowthorne: Transport Research Laboratory, as follows:

$$Log_{10}(CBR) = 2.48 - 1.057\ Log_{10}(DPI)$$

2. Adjusted CBR vaules obtined from Table 4.2 of Simon Done and Piouslin Samuel (2006), "*Measuring Road Pavement Strength and Designing Low Volume Sealed Roads using the Dynamic Cone Penetrometer*" Unpublished TRL Project Report UPR/IE/76/06 Project Record No R7783.

   The CBR Adjustment Factors are applied to unpaved roads on the assumption that the effect of moisture will be a maximum at the top surface and will reduce linearly to zero at a depth of 1000 mm.



# TRL Dynamic Cone Penetration Test Results

# DCP2

| Cumulative Blow Count | Penetration (mm) | Penetration Index (DPI) mm/blow | Estimated CBR[1] (%) | Adjusted CBR[2] (%) |
|---|---|---|---|---|
| 0 | 121 | | | |
| 1 | 204 | 83.0 | 2.8 | 2.2 |
| 2 | 255 | 51.0 | 4.7 | 3.7 |
| 3 | 301 | 46.0 | 5.3 | 4.2 |
| 4 | 360 | 59.0 | 4.1 | 3.3 |
| 5 | 413 | 53.0 | 4.5 | 3.8 |
| 6 | 442 | 29.0 | 8.6 | 7.2 |
| 7 | 456 | 14.0 | 18.6 | 15.6 |
| 8 | 462 | 6.0 | 45.4 | 38.4 |
| 10 | 471 | 4.5 | 61.6 | 52.1 |
| 12 | 477 | 3.0 | 94.6 | 80.2 |
| 15 | 485 | 2.7 | 107.1 | 91.1 |
| 18 | 492 | 2.3 | 123.3 | 105.2 |
| 21 | 501 | 3.0 | 94.6 | 80.9 |
| 24 | 505 | 1.3 | 222.8 | 190.8 |

## DCP2

| | |
|---|---|
| Project: | SSL Lyons Farm, Worthing |
| Project No. | 2303011.001 |
| Client: | Sainsbury's Supermarkets Limited |
| Test No. | DCP2 |
| Test Date: | 12/04/2023 |
| Surface Moisture: | Moderate |
| Soil Type | Slightly clayey sandy gravel |

| Notes/Comments |
|---|
| DCP carried out within WS02. |
| Terminated due to refusal. |

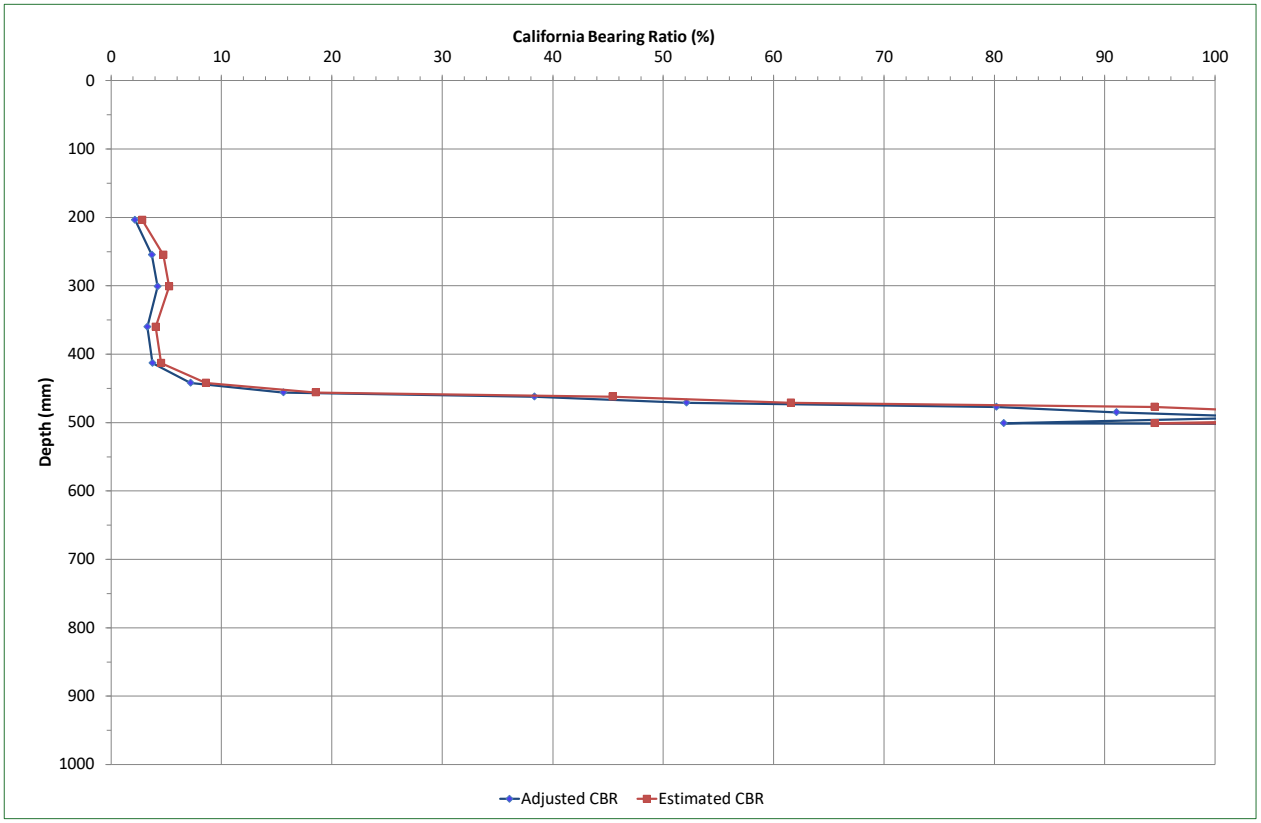
Notes:

1. CBR Value calculated using Jones C R and J Rolt (1991), "*Operating instructions for the TRL dynamic cone penetrometer*" (2nd edition). Information Note. Crowthorne: Transport Research Laboratory, as follows:

$$\text{Log}_{10}(\text{CBR}) = 2.48 - 1.057\ \text{Log}_{10}(\text{DPI})$$

2. Adjusted CBR vaules obtined from Table 4.2 of Simon Done and Piouslin Samuel (2006), "*Measuring Road Pavement Strength and Designing Low Volume Sealed Roads using the Dynamic Cone Penetrometer*" Unpublished TRL Project Report UPR/IE/76/06 Project Record No R7783.

   The CBR Adjustment Factors are applied to unpaved roads on the assumption that the effect of moisture will be a maximum at the top surface and will reduce linearly to zero at a depth of 1000 mm.



# TRL Dynamic Cone Penetration Test Results

# DCP3

| Cumulative Blow Count | Penetration (mm) | Penetration Index (DPI) mm/blow | Estimated CBR[1] (%) | Adjusted CBR[2] (%) |
|---|---|---|---|---|
| 0 | 114 | | | |
| 1 | 181 | 67.0 | 3.5 | 2.7 |
| 2 | 252 | 71.0 | 3.3 | 2.6 |
| 3 | 305 | 53.0 | 4.5 | 3.6 |
| 6 | 314 | 3.0 | 94.6 | 75.7 |
| 9 | 334 | 6.7 | 40.7 | 32.8 |
| 12 | 365 | 10.3 | 25.6 | 20.9 |
| 15 | 370 | 1.7 | 176.0 | 143.8 |
| 18 | 375 | 1.7 | 176.0 | 144.1 |
| 21 | 377 | 0.7 | 463.6 | 379.8 |
| 24 | 379 | 0.7 | 463.6 | 380.1 |
| 29 | 385 | 1.2 | 249.1 | 204.6 |
| 34 | 394 | 1.8 | 162.2 | 133.7 |
| 39 | 412 | 3.6 | 78.0 | 64.7 |
| 42 | 432 | 6.7 | 40.7 | 34.0 |
| 45 | 449 | 5.7 | 48.3 | 40.6 |
| 48 | 457 | 2.7 | 107.1 | 90.2 |
| 51 | 481 | 8.0 | 33.5 | 28.5 |
| 54 | 494 | 4.3 | 64.1 | 54.7 |
| 59 | 511 | 3.4 | 82.8 | 71.1 |
| 64 | 519 | 1.6 | 183.8 | 158.1 |

## DCP3

| | |
|---|---|
| Project: | SSL Lyons Farm, Worthing |
| Project No. | 2303011.001 |
| Client: | Sainsbury's Supermarkets Limited |
| Test No. | DCP3 |
| Test Date: | 12/04/2023 |
| Surface Moisture: | Moderate |
| Soil Type | Slightly clayey sandy gravel |

| Notes/Comments |
|---|
| DCP carried out adjacent to WS03. |
| Terminated due to refusal. |

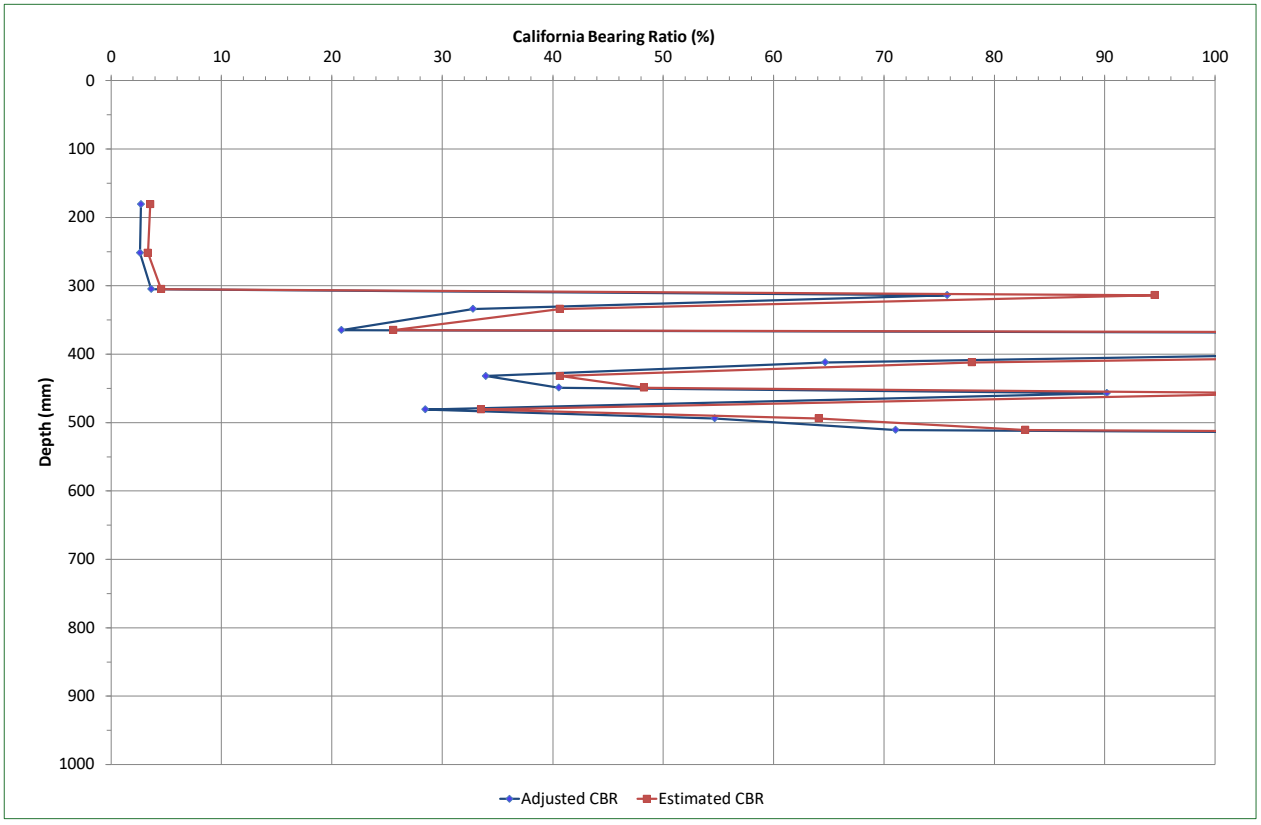
Notes:

1. CBR Value calculated using Jones C R and J Rolt (1991), "*Operating instructions for the TRL dynamic cone penetrometer*" (2nd edition). Information Note. Crowthorne: Transport Research Laboratory, as follows:

$$\text{Log}_{10}(\text{CBR}) = 2.48 - 1.057\ \text{Log}_{10}(\text{DPI})$$

2. Adjusted CBR vaules obtined from Table 4.2 of Simon Done and Piouslin Samuel (2006), "*Measuring Road Pavement Strength and Designing Low Volume Sealed Roads using the Dynamic Cone Penetrometer*" Unpublished TRL Project Report UPR/IE/76/06 Project Record No R7783.

   The CBR Adjustment Factors are applied to unpaved roads on the assumption that the effect of moisture will be a maximum at the top surface and will reduce linearly to zero at a depth of 1000 mm.



# TRL Dynamic Cone Penetration Test Results

# DCP4

| Cumulative Blow Count | Penetration (mm) | Penetration Index (DPI) mm/blow | Estimated CBR[1] (%) | Adjusted CBR[2] (%) |
|---|---|---|---|---|
| 0 | 143 | | | |
| 1 | 155 | 12.0 | 21.8 | 16.5 |
| 6 | 180 | 5.0 | 55.1 | 42.0 |
| 11 | 185 | 1.0 | 302.0 | 230.6 |
| 16 | 191 | 1.2 | 249.1 | 190.6 |
| 26 | 200 | 0.9 | 337.6 | 259.3 |
| 36 | 207 | 0.7 | 440.3 | 339.0 |
| 46 | 218 | 1.1 | 273.1 | 211.1 |
| 56 | 231 | 1.3 | 228.9 | 177.8 |
| 66 | 249 | 1.8 | 162.2 | 126.9 |
| 76 | 266 | 1.7 | 172.4 | 135.7 |
| 86 | 305 | 3.9 | 71.7 | 57.2 |
| 96 | 360 | 5.5 | 49.8 | 40.6 |
| 106 | 411 | 5.1 | 54.0 | 44.7 |
| 116 | 431 | 2.0 | 145.1 | 121.2 |
| 126 | 452 | 2.1 | 137.9 | 115.9 |
| 131 | 475 | 4.6 | 60.2 | 51.0 |
| 136 | 492 | 3.4 | 82.8 | 70.6 |
| 141 | 515 | 4.6 | 60.2 | 51.7 |
| 146 | 537 | 4.4 | 63.1 | 54.6 |
| 151 | 567 | 6.0 | 45.4 | 39.7 |
| 156 | 595 | 5.6 | 48.9 | 43.1 |
| 161 | 630 | 7.0 | 38.6 | 34.5 |
| 166 | 665 | 7.0 | 38.6 | 34.9 |
| 171 | 701 | 7.2 | 37.5 | 34.2 |
| 176 | 751 | 10.0 | 26.5 | 24.6 |
| 181 | 804 | 10.6 | 24.9 | 23.5 |
| 186 | 862 | 11.6 | 22.6 | 21.7 |
| 191 | 914 | 10.4 | 25.4 | 24.8 |
| 196 | 944 | 6.0 | 45.4 | 44.7 |

## DCP4

| | |
|---|---|
| Project: | SSL Lyons Farm, Worthing |
| Project No. | 2303011.001 |
| Client: | Sainsbury's Supermarkets Limited |
| Test No. | DCP4 |
| Test Date: | 12/04/2023 |
| Surface Moisture: | Moderate |
| Soil Type | Slightly clayey sandy gravel |

| Notes/Comments |
|---|
| DCP carried out within BH01. |

Notes:

1. CBR Value calculated using Jones C R and J Rolt (1991), "*Operating instructions for the TRL dynamic cone penetrometer*" (2nd edition). Information Note. Crowthorne: Transport Research Laboratory, as follows:

$$\text{Log}_{10}(\text{CBR}) = 2.48 - 1.057\ \text{Log}_{10}(\text{DPI})$$

2. Adjusted CBR vaules obtined from Table 4.2 of Simon Done and Piouslin Samuel (2006), "*Measuring Road Pavement Strength and Designing Low Volume Sealed Roads using the Dynamic Cone Penetrometer*" Unpublished TRL Project Report UPR/IE/76/06 Project Record No R7783.

   The CBR Adjustment Factors are applied to unpaved roads on the assumption that the effect of moisture will be a maximum at the top surface and will reduce linearly to zero at a depth of 1000 mm.

