

Land Contamination Report

PHASE 1 DESK STUDY



PHASE I – LAND CONTAMINATION DESK STUDY

Site: Land adjacent to Minefield Cottages (Plot 3), Menheniot, Liskeard, Cornwall, PL14 3RY

NGR: 228757, 62714

Client: Mr and Mrs S Elliott

Planning Ref: N/A

Date: 26th April 2024

Author: Mr A Botterell, BSc (Hons) MSc MCSM FGS

Our Ref: AB/GS/SS6011.1.DS



Cornwall Consultants Limited trading as Cornwall Mining Consultants. Registered Office: Unit 3 East Pool, Tolvaddon Business Park, Camborne TR14 OHX. Registered in England & Wales. Registered No: 04578850

[cornwallminingconsultants.co.uk](https://www.cornwallminingconsultants.co.uk)
enquiries@cornwallminingconsultants.co.uk
01209 313511

EXECUTIVE SUMMARY

Cornwall Mining Consultants has been commissioned by Mr and Mrs S Elliott (the client) to undertake a Phase I Land Contamination Risk Assessment (Desk Study) at Land adjacent to Minefield Cottages (Plot 3), Menheniot, Liskeard, Cornwall, PL14 3RY (the 'site' or 'property').

The client proposes to develop the site with a conversion adaptation and extension to the existing garage (Plot 3) and associated infrastructure.

This Phase I assessment has been requested by the client to accompany a planning application and possible future planning application. This report has been prepared and verified by a 'Competent Person', as defined by the National Planning Policy Framework (2019).

Error! Reference source not found.

The desk study and site walkover findings have been considered, along with the sensitivity of the environment and end-users of the site, to construct an initial 'Conceptual Site Model' (CSM).

A preliminary risk assessment has been carried out where a pollutant linkage exists between these sources and the receptor. This determines the likelihood and severity of the potential for significant harm from contaminated land. The risk from exposure to potentially contaminated land at the site has been designated as **LOW / MODERATE to HIGH**.

The following risks have been identified at the site:

- **Radon gas** – underlying geology – high risk
 - Full radon protective measures should be installed within the new dwelling to mitigate this risk.
- **Various contaminants including hydrocarbons and metallic elements** – natural geology, historic mining activity and current on/off site use – low / moderate to moderate risk
 - Initial intrusive investigation required including soil sampling and chemical analysis.

The risk of ground contamination across the site will need to be investigated in the form of an initial Phase II Quantitative Risk Assessment and may require subsequent stages of assessment and remediation as part of any proposed residential development.

Following your review of this document, we would recommend that a copy of the report should be submitted, as part of the planning application, to the Planning Department of Cornwall Council for comment and approval.

Contents

1.0	INTRODUCTION.....	1
2.0	SITE WALKOVER.....	2
3.0	HISTORICAL AND CURRENT LAND USE.....	4
4.0	GEOLOGY AND GEOCHEMICAL DATA	6
5.0	AGENCY AND HYDROLOGICAL DATA	7
6.0	PRELIMINARY RISK ASSESSMENT.....	8
7.0	CONCLUSIONS AND RECOMMENDATIONS	11
8.0	LIMITATIONS.....	13

Tables

Table 1: Features within the Surrounding Area	3
Table 2: Review of Historic Ordnance Survey Maps.....	4
Table 3: Recorded Industrial Land Use Data	5
Table 4: Radon (Landmark) Data.....	6
Table 5: Radon (UKradon) Data	6
Table 6: Agency and Hydrological Data	7
Table 7: Pollutant Linkage Assessment	10
Table 8: Initial Conceptual Site Model & Preliminary Risk Assessment.....	11

Appendices

- APPENDIX A: Site Location & Proposed Development Plan
- APPENDIX B: Site Walkover Photos
- APPENDIX C: Mining Search
- APPENDIX D: Historical Ordnance Survey Maps
- APPENDIX E: Environmental Report
- APPENDIX F: Risk Categorisation

1.0 INTRODUCTION

1.1 Rationale

Cornwall Mining Consultants has been commissioned by Mr and Mrs S Elliott (the client) to undertake a Phase I Land Contamination Risk Assessment (Desk Study) at Land adjacent to Minefield Cottages (Plot 3), Menheniot, Liskeard, Cornwall, PL14 3RY (the 'site' or 'property').

This Phase I assessment has been requested by the client to accompany a planning application and possible future planning application. This report has been prepared and verified by a 'Competent Person', as defined by the National Planning Policy Framework (2019), in accordance with: British Standard (BS 10175:2011) 'Investigation of Potentially Contaminated Sites - Code of Practice' and Environment Agency 'Land Contamination Risk Management' (2020).

1.2 Objectives & Methodology

A Phase I Desk Study is the first stage of a tiered risk assessment process to determine if contaminated land is present and what level of risk it presents to end-users of the site and the environment, if any. The Phase I is a qualitative assessment. Subsequent stages (Phase II to IV) variously involving soil sampling, quantitative risk assessment, remediation and verification, may be required. For this report, a Landmark Envirocheck Report was commissioned.

A Phase I assessment will develop an initial conceptual site model (CSM), to show the potential relationships between any contamination sources, exposure pathways and receptor(s) present. The relationship between any combination of Source-Pathway-Receptor (S-P-R) components is known as a pollutant 'linkage'.

A pollution linkage must exist for there to be a potential risk. Any linkages identified are used to determine if there is potential for any unacceptable risks. The level of risk to the critical receptors(s) is assessed in a qualitative (or preliminary) risk assessment. Recommendations are then made for any further quantitative risk assessment, as necessary.

To achieve the above, the Phase I assessment involves the following steps:

- Review of desk-based information and on-site observations to establish historical and contemporary sources of contamination and identify contaminant pathways and sensitive receptors;
- Identify S-P-R components from an understanding of the site and identify any pollutant linkages;
- Develop an initial CSM for all positive linkages and qualitatively assess the risks; and
- Determine if a Phase II intrusive investigation, involving the collection and analysis of soil samples, is required.

1.3 Site Location

The site is situated within the residential curtilage of the property known as Minefield Cottages, located in the village of Menheniot. The site covers an area of approximately 0.075 hectares (750m²) and lies at national grid reference (NGR) 228757, 62714.

A site location and boundary plan is included within Appendix A.

1.4 Development Proposals

The client proposes to develop the site with a conversion adaptation and extension to the existing garage (Plot 3) and associated infrastructure. The proposed end-use will include a private garden, parking / turning area and soft landscaping. A proposed development plan is included in Appendix A.

Cornwall Mining Consultants have previously undertaken a Phase 1 and 2 for the site that bounds the northwest of this site (our ref: CLC/CLC/SS/2798.b.SS, dated 29th September 2009). This report revealed that the soil horizons to the north of the site contained concentrations of heavy metals above the relevant guideline values. In addition Cornwall Mining Consultants also undertook a Phase 1 for a larger area that partially included the subject site, which extended further west (our ref: AB/GS/SS6011.DS, dated 1st February 2024). This Phase 1 report recommended a Phase 2 Quantitative Risk Assessment be undertaken.

2.0 SITE WALKOVER

2.1 Site Observations

An initial site walkover was carried out on Wednesday 17th January 2024 to confirm the current use of the site, check for visible signs of contamination and provide context for potential pollutant linkages. This initial walkover was undertaken for a larger site which included the proposed development area included in this report.

Photographs taken during the site visit are presented in Appendix B and the main findings are summarised here.

The site is currently used as a domestic garage and the associated surrounding land is used for the storage of vehicles, equipment and materials. It is understood that the current access road is to be retained.

The site is accessed from the main road into Menheniot village centre via a gentle sloped entrance way which leads past a recently built dwelling and access paths leading the garage and associated land.

26/04/2024

2

The site is located within the residential curtilage of Land adjacent to Minefield Cottages (Plot 3). The site is bounded by agricultural fields to the south and southwest, residential properties and associated gardens to the north, south and east and an area of vacant land bounds the west of the site. The garden of dwelling that bounds the northern boundary is partially included in the site boundary. Access was not possible at the time of the site visit, but this area appeared to consist of astroturf and gravel.

Within the southern area of the site a detached garage block was located with no internal access provided at the time of the site visit. However, the client subsequently sent through photos internally of the garage.

Across the western area of the site and outside of the site boundary various items were noted including wood, metal, radiators, glass and concrete blocks, local stone, plastics, ceramics and more. A number of paint cans and other plastic containers were also observed. Some of these containers were sealed and secure but others had no secure lid. Some of the containers with no lid were inspected to be empty but did omit a slight odour (paint, oil/fuel).

Further west, north and northwest other materials were present including a cement mixer and saw stand. These were inspected. At the time of the inspection, they appeared to be in a fair condition and did not appear to have been used in recent times. No obvious spills, leaks or odours were noted in and around their locations. In addition, a 'tipper' truck was located in close proximity to the northwest boundary of the site. This vehicle was inspected and no obvious spills, leaks or odours were noted and the vehicle appeared to be maintained in a good condition.

An area of heras fencing was also observed further west of the site. This Hera fencing had been emplaced around an open shaft. Where visible the southern edge of the shaft could be visible but materials had clearly been placed within the shaft. These included domestic items, building materials, wood and vegetation.

2.2 Topography

The site is situated on a generally level area, with a slight downgradient to the south. The northwest and eastern boundary of the site is occupied by residential dwellings.

2.3 Surrounding Area

The features within the surrounding area are detailed below in Table 1.

Table 1: Features within the Surrounding Area

<i>Surrounding Land Use & Receptors</i>	<i>Distance from site (m)</i>	<i>Direction</i>
Residences	Adjacent	N, E, S & NW
Road	Adjacent	E
Vacant open land	Adjacent	W

26/04/2024

3

Agricultural Fields	Adjacent	S/SW
Cemetery	36	NW

3.0 HISTORICAL AND CURRENT LAND USE

3.1 Recorded Historic Mining Activity

A Mining Search (ref. DG/CMS/140796) was undertaken by Cornwall Mining Consultants in April 2024 and is included in Appendix C. The site is situated within an area of extensive historic metalliferous mining activity. Mining features have been identified within the site. Please refer to Appendix C for full conclusions and recommendations.

3.2 Other Mineral Extraction

There is no evidence of any non-metalliferous mineral extraction having taken place within the site boundaries.

3.3 Review of Historic Ordnance Survey Maps

A review of historical Ordnance Survey (OS) maps, from our own documentary resources, provides an overview of the status of the site over time and provides the means to identify potential contamination hazards. Extracts of these maps are provided in Appendix D.

Table 2: Review of Historic Ordnance Survey Maps

<i>Date</i>	<i>Site</i>	<i>Surrounding area</i>
1880	Site is located within an area of land that appears to the west of assumed dwellings. Mine waste is shown to cover the northwest corner of the site. A footpath is also shown in the southern boundary of the site.	Fields are shown to the south of the site and further west. Mine waste extends further west of the site. A School (Boys & Girls) and Vicarage is shown to the north of the site. Numerous buildings assumed dwellings are also shown to the northeast, which form part of the village of Menheniot. A building assumed dwelling is shown to the east. Numerous trees are also shown to the southeast. A burial ground is shown to lie approximately 30 metres northwest of the site. A well is recorded to lie approximately 64 metres southeast. A possible quarry or mine waste is shown to lie approximately 200 metres northwest of the site.
1908	The mine waste shown on the 1880 OS map is now shown as rough ground. Footpath no longer within the south of the site.	No significant change to the surrounding area. Fewer trees are now shown to the southeast of the site.

1978	Rough ground is no longer annotated and it appears that the site is now an empty field.	No significant changes to the wider area. However, numerous buildings assumed dwellings are shown to the south and southeast of the site. This area was previously shown as woodland and agricultural fields. The buried ground previously shown to the northwest is now annotated as a cemetery.
------	---	---

A Landmark Envirocheck Report was commissioned and is presented in Appendix E.

3.4 Sensitive Land Uses

Based on the data from the Landmark Report the site does not lie within any sensitive land uses.

3.5 Recorded Industrial Land Use

The following industrial land uses recorded within 250 metres, are summarised from the Landmark report.

Table 3: Recorded Industrial Land Use Data

Industrial Land Use		
Distance (m)	Direction	Details
Contemporary Trade Directory Entries:		
168	SE	P Green – 7 Fourgate, Menheniot, Liskeard, Cornwall, PL14 3SR – Agricultural Machinery (Sales & Service) – Inactive
219	N	Sparkles – 4 Mews Court, Menheniot, Liskeard, Cornwall, PL14 3QW – Cleaning Services (Domestic) – Inactive
250	NE	Redbull Equipment Ltd – 23 Cowling Gardens, Menheniot, Liskeard, Cornwall, PL14 3QJ – Machinery – Industrial & Commercial – Inactive

3.6 Hazardous Substances

Based on the data from the Landmark Report, there are no hazardous substances recorded within 250 metres.

3.7 Waste and Landfill

Based on the data from the Landmark Report, there are no waste or landfill sites recorded within 250 metres.

4.0 GEOLOGY AND GEOCHEMICAL DATA

4.1 Geology

British Geological Survey (BGS) open source (1:50k scale) digital data has been reviewed for the area. No superficial deposits are recorded to underlie the site, however a head deposit comprising clay, silt, sand and gravel is recorded to lie approximately 22 metres south/southeast of the site. The bedrock beneath the site is the Saltash Formation comprising slate and siltstone. No linear geological structures are recorded by the BGS beneath the site.

4.2 Geochemical Baseline of Metallic Elements

The 'Tellus South West' project (containing British Geological Survey materials © NERC 2018) includes geochemical sampling of soils in the South West undertaken by the BGS. Soil samples were sampled at a density of 1 sample per 2km² to one per 5km² as part of a Geochemical Baseline Survey of the Environment and concentrations between these locations were extrapolated. According to the mapping information, an arsenic concentration of 41mg/kg and a lead concentration of 80mg/kg are inferred in the vicinity of the site.

4.3 Radon

The Landmark Report records the following findings

Table 4: Radon (Landmark) Data

Public Health England		
Distance (m)	Hazard	Details
On site	Radon	Between 10 and 30% of homes are above the action level for radon. *Full radon protective measures should be installed.

*As described in the latest Building Research Establishment guidance on radon protective measures for new buildings. Landmark also advise to check compliance on radon protection with the developer for any new builds.

In addition, Cornwall Mining Consultants checked the Ukradon maps with the findings below.

Table 5: Radon (Ukradon) Data

Ukradon		
Distance (m)	Hazard	Details
On site	Radon	Between 10 and 30% of homes are above the action level for radon. *Full radon protective measures should be installed.

*As described in the latest Building Research Establishment guidance on radon protective measures for new buildings.

26/04/2024

6

5.0 AGENCY AND HYDROLOGICAL DATA

The following agency and hydrological data recorded within 250 metres is summarised from the Landmark report.

Table 6: Agency and Hydrological Data

Agency & Hydrological		
Distance (m)	Direction	Details
Nearest Surface Water Feature:		
243	NW	Not specified in Landmark Report

5.1 Hydrogeology

No detailed information regarding the depth to groundwater is available. The groundwater level is likely to be subject to seasonal variations.

The Environment Agency (EA) aquifer designation classifies the underlying rocks as a Secondary A (permeable) Aquifer. Groundwater vulnerability is assessed by how easily a pollutant discharged at ground level can reach the groundwater. High vulnerability areas mean that pollution can easily transmit to groundwater and likely to be characterised by high leaching soils. The Landmark report classifies the soils with intermediate leaching potential.

The site is not within a Groundwater Source Protection Zone.

The nearest recorded groundwater abstraction license is 719 metres northwest of the site for use within Tregillis Farm for general agricultural uses.

5.2 Hydrology

The site is not located within 50 metres of an Environment Agency recorded Zone 2 or Zone 3 floodplain.

There are no recorded surface water abstraction licenses within 1 kilometre of the site.

6.0 PRELIMINARY RISK ASSESSMENT

6.1 Introduction

Part IIA of the Environmental Protection Act 1990 stipulates a risk-based approach to the identification and remediation of land where contamination poses an unacceptable risk to human health and the environment. The Land Contamination Risk Management (LCRM) guidance provided by the Environment Agency specifies a staged approach to determine if there are any potentially unacceptable risks.

The first step to the preliminary risk assessment is to derive a conceptual site model (CSM). A CSM shows the possible relationships between any contaminant sources (hazards), pathways and receptors. Source, pathway and receptor (S-P-R) are defined by the LCRM guidance as:

- **Source** – a contaminant or pollutant that is in, on or under the land and that has the potential to cause harm or pollution, for example metallic elements (arsenic, lead, cadmium).
- **Pathway** – a route by which a receptor is or could be affected by a contaminant, for example ingestion of homegrown produce.
- **Receptor** – something that could be adversely affected by a contaminant, for example a person, controlled waters, an organism, an ecosystem, or Part IIA receptors such as buildings, crops or animals.

The CSM includes the concept of a 'pollutant linkage' between a contaminant source and a receptor by means of a pathway. A linkage must be present for a risk to exist, without a linkage, there is not a risk, even if a contaminant is present.

If any linkages are identified, the associated level of risk to receptors can be assessed. This is achieved by a preliminary risk assessment, predicting the likelihood of exposure to the hazard (contaminant source) and the severity of the potential consequence.

The initial CSM, together with the results of the preliminary risk assessment, are presented in the following sections.

6.2 Initial Conceptual Site Model & Pollutant Linkages

The desk study information, site walkover, environmental setting and potential on-site sources of contamination have been reviewed, with consideration to the development proposals, to construct an initial CSM.

The following potential contaminant **sources** (hazards) have been identified:

- On site natural geology and historic mining activity – radon and metallic elements including arsenic and sulphates.
- On/Off site current site use – various contaminants including hydrocarbons and metallic elements

26/04/2024

8

- Off site machinery and equipment – various including hydrocarbons and metallic elements.
- Off site burial ground – metallic elements.

Potential **receptors** relevant to the site based on the proposed end use include:

- Future site users: Human health and ecology
- Controlled waters: Underlying aquifer
- Built environment: Water pipes and buried concrete

Potential **pathways** relevant to the site based on the proposed end use include:

- Ingestion, dermal contact & inhalation
- Migration: laterally or vertically
- Surface water run off: leaching
- Direct contact

Pollutant linkages have been assessed in Table 7.

26/04/2024

9

Table 7: Pollutant Linkage Assessment

Potential Hazard		Comments	Pollutant Linkage?
Sources	Contaminants of Concern		
On site: Natural Geology historic mining activity	Radon gas	Area where the radon action level may be exceeded, and harmful radon concentrations can accumulate in buildings.	Yes
	Metallic elements, including arsenic and sulphates	Suspected metalliferous mineralisation recorded within the site boundary. Shaft (outside of site) and associated heap (likely to be mining waste from boring of shaft) located partially within the site. The 'Tellus South West' infers an arsenic concentration of 41 mg/kg and lead concentration of 80 mg/kg in the vicinity of the site. Soil sampling to the north of the site revealed heavy metal concentrations elevated above the relevant guideline values. Buried concrete may be affected by elevated contaminants. Soft landscaping is may be present across the site therefore a pathway will be present.	Yes
On/Off site: Current Site Use	Various including metallic elements and hydrocarbons	Numerous piles of building waste, materials and supplies stored on part of the western area/adjoining the site. However, the majority are situated further west of the site. These included plastic, wood, metal, local stone, concrete blocks, radiators, oil cans, old freezer and vegetation. Although most of the material was inert some of the oil can/containers were not sealed and some of these cans revealed a slightly odour of oils and fuel. Therefore, there is the potential for contaminants to have been spilt across the wider area and into the site. It is understood that the client proposed to develop the site with proposed soft landscaping areas. Therefore, a pathway will be present.	Yes
On site: Machinery and equipment	Various including metallic elements and hydrocarbons	Two pieces of machinery were in the land adjacent, northwest from site up gradient (a mobile cement mixer and a mobile saw). These pieces of equipment were inspected and they appeared to be in a fair condition. No leaks, odours or spills were noted surrounding or on the ground of the machinery. No source.	No
Off site: Burial Ground	Metallic elements	A burial ground/cemetery is located approximately 30 metres northwest of the site. Due to the distance and local topography any contaminants will migrate away from the site. The proposed development is unlikely to encounter the underlying groundwater aquifer, which is classed as a minor aquifer.	No

6.3 Preliminary Risk Assessment

The identified pollutant linkages have been subject to a qualitative (preliminary) risk assessment to determine the likelihood and severity of the potential for significant harm from exposure to contaminated land. The risk assessment has been carried out in accordance with statutory guidance on contaminated land and in line with the National House Building Council (NHBC) risk categorisation methodology, presented in Appendix F.

The results of the preliminary risk assessment are summarised in Table 8.

Table 8: Initial Conceptual Site Model & Preliminary Risk Assessment

Sources	Pathway	Receptor	Probability	Consequence	Risk
Radon gas	Inhalation	Future site users	High Likelihood	Medium	High
Various including hydrocarbons, metallic elements and sulphates	Ingestion, dermal contact & inhalation	Future site users	Likely	Medium	Moderate
	Migration & surface water runoff	Environment	Low Likelihood	Medium	Low / moderate
	Direct contact	Built Environment	Low Likelihood	Medium	Low / moderate

The risk from exposure to potentially contaminated land at the site has been designated as **LOW / MODERATE to HIGH**.

7.0 CONCLUSIONS AND RECOMMENDATIONS

In summary, the desk study and preliminary risk assessment have identified the following potential Low / Moderate to High risks of potential harm to end-users of the site, and any other receptors identified, arising from contaminated land:

- **Radon gas** – underlying geology – high risk
 - Full radon protective measures should be installed within the new dwelling to mitigate this risk.
- **Various contaminants including hydrocarbons and metallic elements** – natural geology, historic mining activity and current on/off site use – low / moderate to moderate risk
 - Initial intrusive investigation required including soil sampling and chemical analysis.

The risk of ground contamination across the site will need to be investigated in the form of an initial Phase II Quantitative Risk Assessment and may require subsequent stages of assessment and remediation as part of any proposed residential development.

Recommendations for the Phase II Quantitative Risk Assessment for the site include:

- A representative soil sampling regime and chemical analyses to gain a general understanding of the soil concentrations across the site,
- Contaminant analyses should include a suitable suite including metallic elements, hydrocarbons, sulphates and pH; and
- A quantitative assessment using analysis data, to assess the potential risk to end-users of the site.

Depending on the findings of the initial Phase II, further assessment may be required including additional soil sampling including additional chemical analysis in the form of bioaccessibility testing.

Water Pipes: Water suppliers sometimes request sampling and specific chemical analysis within the proposed trenched excavations of water pipes to identify the most appropriate pipe material. No sources of organic contaminants were identified and therefore any pipe material will be suitable for this site. Based on the findings of our desk study and the guidance provided by Water UK, (Contaminated Land Assessment Guidance) dated January 2014, no further assessment should be requested. We would recommend contacting your water supplier to confirm.

Unexploded Ordnance: A preliminary risk assessment has been undertaken by a third party with the following recommendation: A detailed desk study, whilst always prudent, is not considered essential in this instance.

Following your review of this document, we would recommend that a copy of the report should be submitted, as part of the planning application, to the Planning Department of Cornwall Council for comment and approval.

Yours faithfully

for **Cornwall Consultants Limited, trading as Cornwall Mining Consultants**

Mr A Botterell, BSc (Hons) MSc MCSM FGS
Senior Geologist

Mr M Sharpe, BSc (Hons) MSc MCSM FGS
Geologist

26/04/2024

12

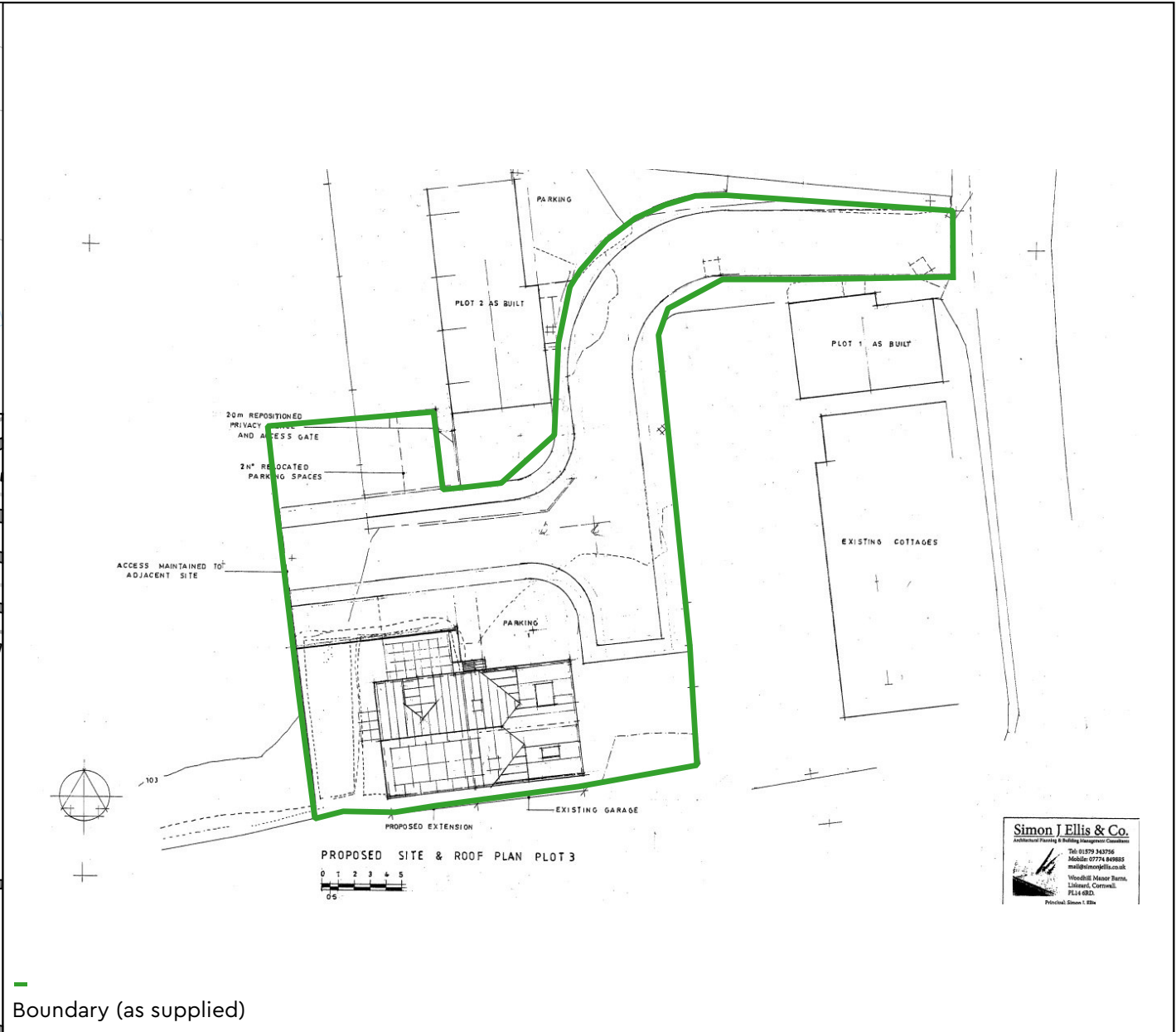
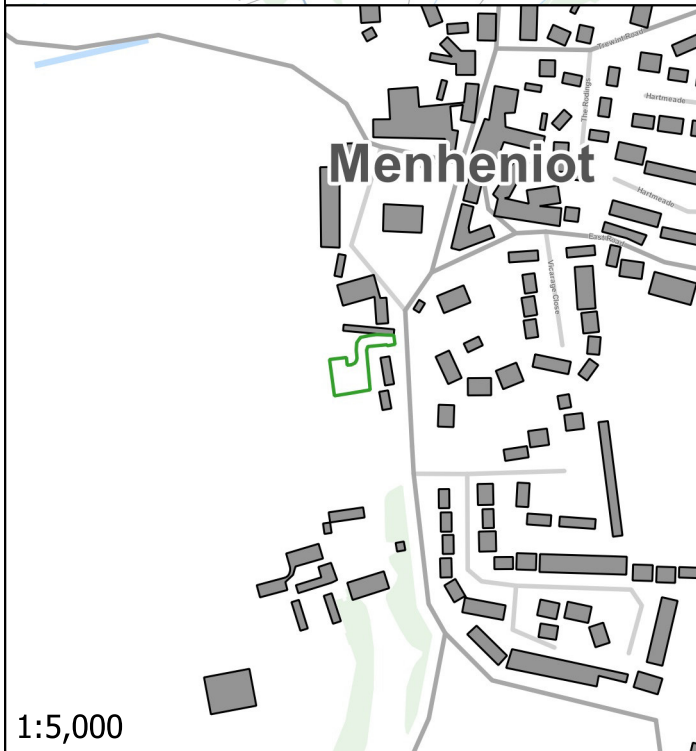
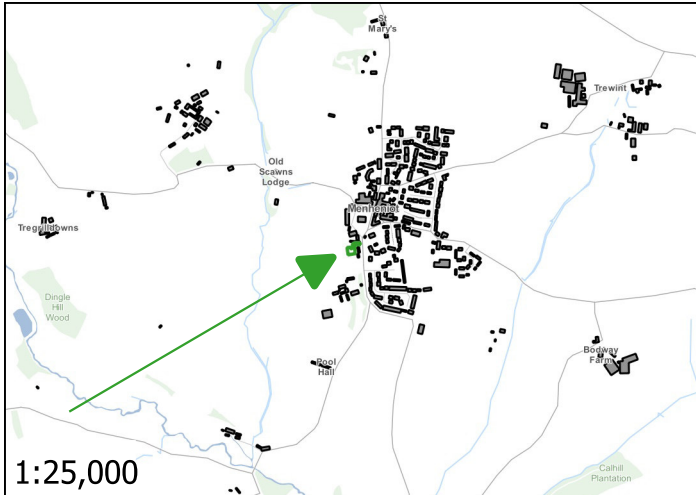
8.0 LIMITATIONS

This Phase I Desk Study undertaken on this site was in respect of contamination only and the observations reported do not purport to constitute a full survey of ground conditions and should not be used as a basis for foundation or other structural design. This report is not an assessment of mining subsidence or ground instability and provides no assurances against these risks if provided or implied. The site area is defined by the client and indicated in the plan supplied. It is the client's responsibility to divulge any previous environmental assessments for the subject site. No samples are collected in a Phase I Desk Study. This report is based specifically on information provided by the client at the time of the site visit. Any amendments to the development plan must be reported to us immediately for this may result in changes to the conclusions of the above report. This report may make reference to invasive species, flood risk and/or the presence of suspected asbestos containing materials (ACMs), however this report does not constitute an invasive species survey, flood risk assessment or asbestos survey. Cornwall Mining Consultants are unable to provide asbestos survey, handling, testing or disposal related services. This report is confidential to the client and the client's solicitor and/or mortgage lender. It may not be reproduced or further distributed without the permission of Cornwall Mining Consultants. We shall not be under any liability to any person who has not been party to the commissioning and fee paid for this report. The report may be reissued to a new client by ourselves, on payment of an appropriate fee, but will not be reissued within 28 days without approval from the current client.

26/04/2024

13

APPENDIX A: Site Location & Proposed Development Plan



Cornwall Consultants Limited trading as Cornwall Mining Consultants. Registered Office: Unit 3 East Pool, Tolvaddon Business Park, Camborne TR14 0HX. Registered in England & Wales. Registered No: 04578850

Contains OS data © Crown copyright and database right 2024.
This information is subject to Crown copyright and is reproduced with the permission of Land Registry. © Crown copyright and database rights 2024
Ordnance Survey 100026316.

PHASE 1 – Land Contamination Desk Study
Land Adjacent to Minefield Cottages (Plot 3),
Menheniot, Liskeard, Cornwall, PL14 3RY

Reference: SS/6011.1
Date: 26/04/2024
Scale: Not to Scale

Proposed Development, Location and Site Plan

Drawn By: AB

APPENDIX B: Site Walkover Photos



Photograph 1 - View from the entrance to the access road to the site, looking south towards the road.



Photograph 2 - View from the site access road, looking west towards the residential properties that adjoin the site.



Photograph 3 - View from access road from within the site.



Photograph 4 - View from inside the site, looking south/southwest towards the existing garage.



Photograph 5 - View from the middle of the site looking west across the adjoining land.



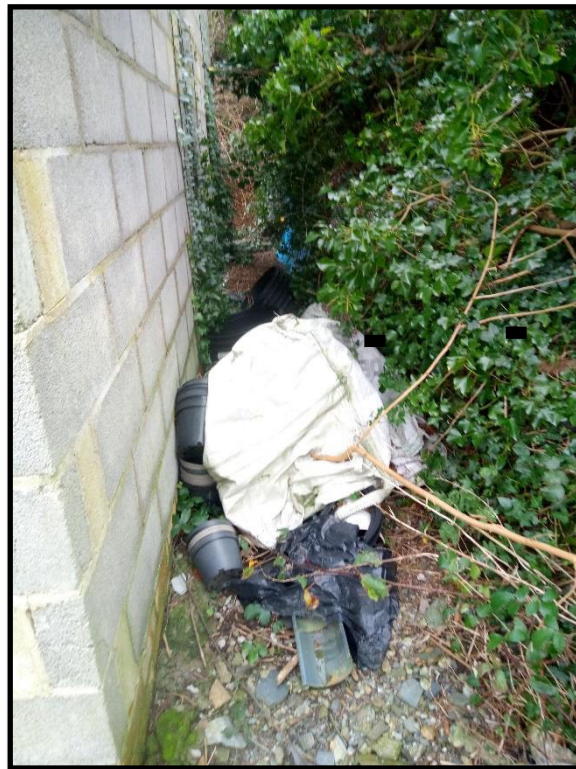
Photograph 6 - View from the southeast corner of the site looking west towards the existing garage.



Photograph 7 - View from the south of the site looking north towards the access road.



Photograph 8 – Photo of the rear of the garage in the southwest corner of the site. Empty and sealed disused gas bottle located.



Photograph 9 – Photo of a number of plastic inert materials stored behind the garage (southern boundary).



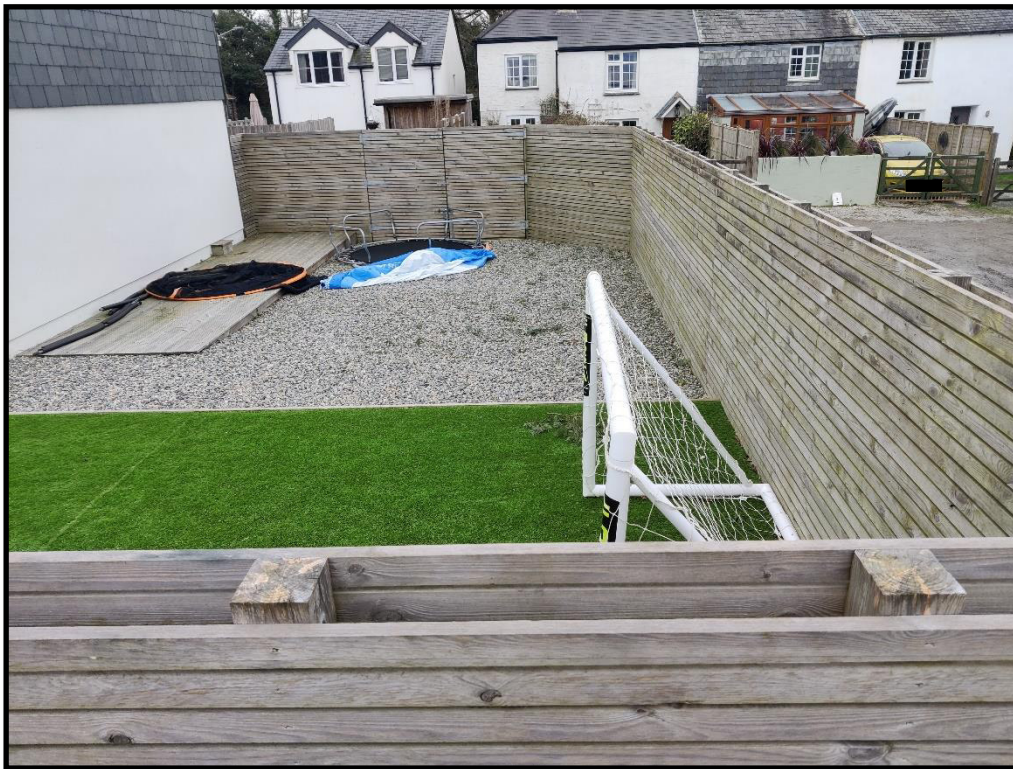
Photograph 10 - View from the southwest corner looking north/northwest across the site and the adjoining land.



Photograph 11 - View from the northwestern extents of the site looking north (outside of site boundary).



Photograph 12 - View from the adjoining land, looking south towards the site.



Photograph 13 - View from the northwest corner of the site which extends into the rear garden area of the adjoining properties. Photo looking east.



Photograph 14 - View from the northwest of the site looking northeast into the rear garden area of the adjoining properties.



Photograph 19 - View of an empty radiator, metal rods attached by string, and plastic matting in the southern extents of the adjoining land/close to the boundary of the western boundary of the site.



Photograph 20 – View of waste material including a shelving unit, barbecue, old clay pipe, an oven, and other materials in the adjoining land close to the western boundary of the site.



Photograph 22 - View of empty and unsealed wood treatment canisters alongside other waste material in the southern extents of the adjoining land close to the western boundary of the site.



Photograph 23 - View of an empty radiator, an oven, and other waste material in the southern extents of the adjoining land and close to the western boundary of the site.



Photograph 24 - View of the western boundary of the site looking east/southeast towards the existing garage.

APPENDIX C: Mining Search



PROPERTY ADDRESS:

Land Adjacent To, Minefield Cottages, Menheniot,
Liskeard PL14 3RY

CLIENT:

Elliott Homes Ltd

REPORT REFERENCE:

DG/CMS/140796

NATIONAL GRID REFERENCE:

228760, 62723

CLIENT REFERENCE:

SS6011.1

DATE:

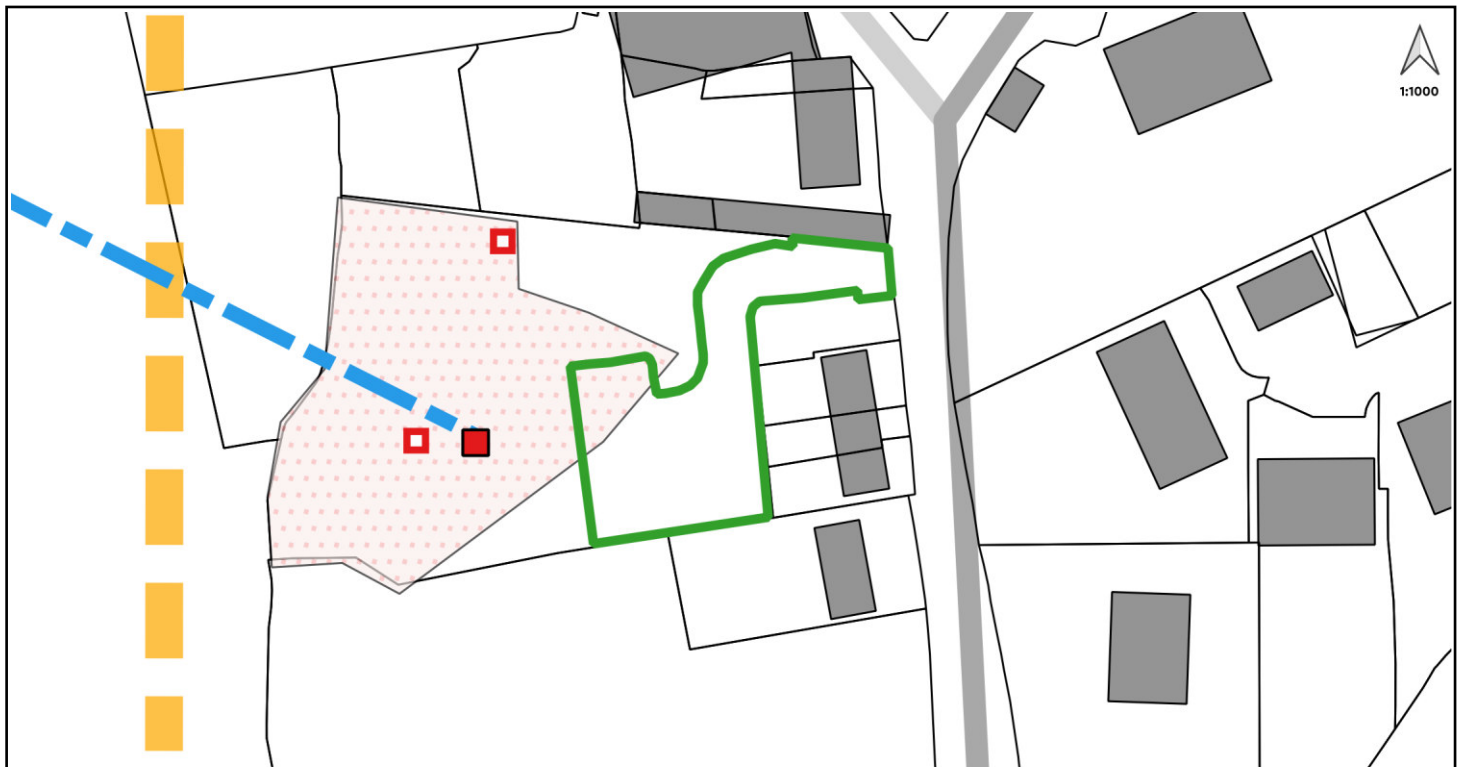
26 April 2024

Result: Moderate
ACTION REQUIRED

[FIND OUT MORE](#)

Next Steps:
SITE INSPECTION

[ORDER NOW](#)



Contains OS data © Crown copyright and database right 2024.

This information is subject to Crown copyright and is reproduced with the permission of Land Registry. © Crown copyright and database rights 2024 Ordnance Survey 100026316.

Property Boundary	Recorded Lode (Surface)	Recorded Shaft	Surface Workings	Elvan
Land Registry Boundaries	Suspected Lode (Surface)	Suspected Shaft	Mine Waste	Adit/Tunnel
Building	Lode at Other Elevation	Indicated Shaft (Doubtful)	Alluvium/Tin Streaming	Adit Portal
Former Structure	Geological Fault	Subsidence	Quarry	Well/Spring

OPINION

We believe that the property could be affected by subsidence related to historic metalliferous mining and we are unable to confirm or dismiss this without further assessment. A Property Inspection should be undertaken by a mining consultant to ensure the absence of mining subsidence related defects. A clear Property Inspection report will enable the property to be reclassified as suitable for conveyance. Should any part of the property be developed in the future, it is recommended that a mining consultant inspects the foundation excavations to ensure the absence of potentially adverse ground conditions and to provide final assurances before construction.

ABOUT

This Mining Search appraises the likelihood that mining subsidence hazards exist within the property. The report findings are based on factual information from maps, plans and records in Cornwall Mining Consultants unique archive, the results of relevant on-site investigations, as well as commercially available datasets. This information has been interpreted by our experts to predict where possible the existence, location and likelihood of unrecorded mine workings.

MINING ARCHIVE RESEARCH & INTERPRETATION

The property is situated within an area of extensive historic metalliferous mining activity.

Our records indicate that mine waste associated with the former South Trelawney Mine lies within the property, approximately.

This feature is recorded on an old Ordnance Survey map.

Mine waste material (loose rock debris) may obscure mine workings or cause differential settlement to overlying buildings.

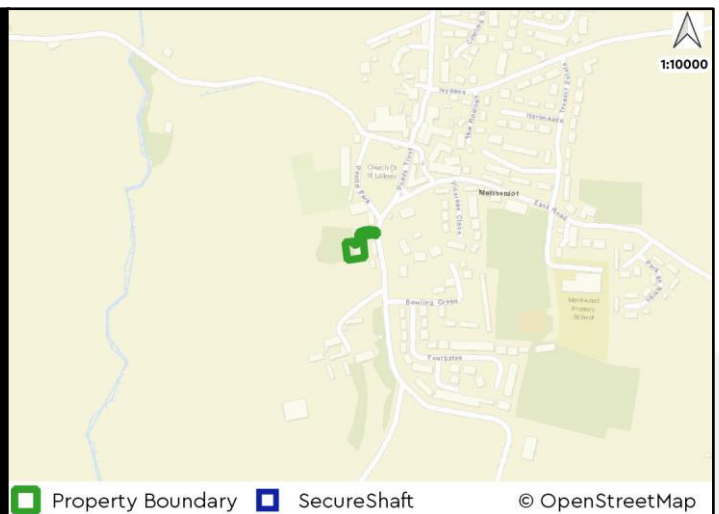
SECURESHAFT™ DATASET (© Cornwall Mining Consultants 2024)

SecureShaft™ is our completely unique and dynamic dataset of approximately 4000 shafts and mine workings that have been previously secured (or treated to varying degrees. Drawing on information derived from a range of specialist third party contributors, *SecureShaft™* also includes over 500 shafts capped by Cornwall Mining Consultants. Each secured mining hazard has been appraised by our expert research team and classified according to the indicated security based on the condition and treatment method.



The *SecureShaft™* dataset has identified no previously secured shafts or mine workings within the property.

The nearest *SecureShaft™* feature is located 6.5 kilometres north of the property and is classified as Grade A. The implications for the subject property have been considered in the assessment below.



SecureShaft™ enables us to give a more accurate site-specific appraisal of the subsidence risk and wherever possible, clear properties without the need for expensive intrusive investigation, saving both time and money.

ONSITE INVESTIGATIONS & REMEDIATION

We have not previously investigated this property and we have no record that it has been investigated by a third-party.

We have not previously remediated any mine workings at this property and we have no record that similar work has been undertaken by a third-party.

FUTURE MINING

The property does not lie within a mineral planning permission area for the extraction of metalliferous minerals, or a Mineral Safeguarding/Consultation Area containing designated metalliferous mineral resources. Choose an item. Choose an item.

THE RESULT

Based on a detailed search and expert interpretation of our mining records archive we believe the likelihood that metalliferous mining subsidence hazards exist within the property is:

Moderate: ACTION REQUIRED

[FIND OUT MORE](#)

We believe that the dwelling is unlikely to be affected by subsidence related to historic metalliferous mining, however, a risk has been identified elsewhere within the property boundaries.

THE NEXT STEPS

To further assess the risks to this property we recommend the following course of action:

SITE INSPECTION

[ORDER ONLINE](#)

A Property Inspection should be undertaken by a mining consultant to ensure the absence of mining subsidence related defects. A clear Property Inspection report will enable the property to be reclassified as suitable for conveyance. Should any part of the property be developed in the future, it is recommended that a mining consultant inspects the foundation excavations to ensure the absence of potentially adverse ground conditions and to provide final assurances before construction.

GEOLOGY

Metallic mineralisation in the South West mainly occurs in lodes (veins), which are sheet-like structures occupying former fissures in the bedrock. Lodes are typically about 1 metre (m) wide but some reach 5m or more and are either vertical or inclined at steep angles. Mineral lodes containing tin, copper and other metalliferous minerals typically course in an east-northeast to west-southwest direction, while those containing lead and silver often course approximately north to south. Localised variations can occur, and lodes are also affected by other geological structures, such as crosscourses (geological faults) and elvan dykes (wide, planar igneous intrusions that are occasionally mineralised).

MINING METHODS & HISTORY

The extraction of metalliferous minerals in the South West has taken place for thousands of years, throughout which shallow prospecting was widespread. This involved excavating costean (trial) pits in order to discover mineral lodes, often in areas where earlier tin-streaming had taken place. Once discovered, lodes were often mined by openworks (linear excavations) along the lode outcrop and later by means of shafts, adits (drainage tunnels) and levels (tunnels) driven away from the shafts. The ore was extracted from between the levels to leave stopes (narrow chasms). By the 19th century steam pumping engines enabled the workings to be deepened. During the tin and copper mining heyday, in the 18th and 19th centuries, the South West was one of the most productive mining regions in the world with over 2000 active mines. Thousands of shafts were sunk, and hundreds of miles of underground workings were driven along the lodes. However, by the end of the 19th century, the discovery of larger mineral deposits elsewhere led to the industrial decline in the South West and the closure of most mines. A lack of funds and regulations meant that mine workings were often left abandoned without being secured.

MINING ARCHIVE & UNRECORDED WORKINGS

The surviving officially deposited abandoned mine plans of most mines in the South West do not show the full extent of the underground workings, especially at shallow depth. It did not become a legal requirement for metal mines to keep comprehensive plans of the underground workings, and to deposit these upon abandonment until 1872. This law did not apply to mines that employed fewer than 12 people underground and neither did it require mines to survey any unused older workings. As a result, most of the old and shallow workings and smaller mines remain poorly recorded. We use a vast archive of other mining and geological records, maps, plans, books and datasets, along with our knowledge of the geology and mining methods to predict where workings could exist and might present a risk.

SUBSIDENCE RISKS

Any near-surface mine working that has not been properly secured poses a potential subsidence risk at surface. Mine shafts present a high risk of localised subsidence. Often these features were capped with timber when mining ceased and all evidence of them became obliterated. Shallow adits can collapse or cause flooding and mine waste tips/dumps can cause differential settlement. However, one of the main causes of mining related subsidence is the collapse of near-surface mine workings on lode outcrops. These workings, in the form of small pits, openworks or shallow stopes, were often backfilled with unconsolidated waste rock and are not evident at surface until they collapse, thereby presenting a high risk of subsidence. There is no legal imperative to report subsidence to a central body and so no comprehensive database of historic subsidence events exists. Therefore, it is not possible to conclude comprehensively whether a property has previously been affected; but we include comment on subsidence at a property if we are aware of it.



MORE INFORMATION

LIMITATIONS OF MINING SEARCH

This Mining Search evaluates the subsidence risk from the extraction of metalliferous minerals only. It cannot be relied upon to indicate risk from clay, stone, coal, oil or other non-metalliferous extraction. It has been produced following a search and review of the extensive collection of abandoned mine plans, maps, records and archives in our possession and from this material we have endeavoured to provide as accurate a report as possible. However, considering that such records may not be wholly complete or accurate, we cannot accept liability for any inaccuracies or omissions with respect to those records. This Mining Search does not include an assessment of soil contamination risks. This report and any mining features described are applicable to the subject property only, the location or boundaries of which have been approved by the client in instructing and receiving this report. We cannot be liable for any erroneous or omitted information as portrayed on any plan or property boundary supplied to us for this Mining Search. The report must not be relied upon for neighbouring properties, as any adjacent mining features may have been omitted for clarity. This report is confidential to the client, client's solicitor and/or mortgage lender or those acting through a conveyance service provider (as per the quoted reference number) and may not be reproduced or further distributed, re-sold or reassigned without our permission. We shall be under no liability whatsoever to any person who has not been party to the commissioning and fee paid for this report or any undisclosed third party. We have not visited the property.

SECURESHAFT™ DATASET

Our SecureShaft™ data layer includes information on remediation works undertaken by Cornwall Mining Consultants (since 1991); South West Mine Capping (since 1988); PR Services Ltd (since 2000) and 'Operation Minecap' instigated by former Kerrier District Council (1980-1984). Additional information produced by third parties and supplied by clients may be included where relevant. In these instances, all data is properly referenced to the original provider.

RESULT CLASSIFICATIONS FOR MORTGAGE

This regulated Mining Search report does not comment on the value or mortgage-ability of any specific property; however, guidance on the implications of results is as follows:

PASSED

Typically acceptable to mortgage lenders.

ACTION REQUIRED

The likelihood that mining subsidence hazards exists within the property are moderate. Value, enjoyment may be affected, and the advised further action should be satisfied before mortgage proceeds.

ACTION REQUIRED

The likelihood that mining subsidence hazards within the property is high. The value, enjoyment and security may be affected. The advised further action should be completed and a satisfactory result attained before mortgage or transaction proceeds.



CONSUMER INFORMATION

This search has been produced by Cornwall Consultants Ltd trading as Cornwall Mining Consultants, Unit 3 East Pool, Tolvaddon Business Park, Camborne TR14 0HX. Tel: (01209) 313511. Email: enquiries@cornwallminingconsultants.co.uk, which is registered with the Property Codes Compliance Board (PCCB) as a subscriber to the Search Code. This search has been completed in accordance with our Terms and Conditions of business that can be viewed here.

THE SEARCH CODE

- Provides protection for homebuyers, sellers, estate agents, conveyancers and mortgage lenders who rely on the information included in property search reports undertaken by subscribers on residential and commercial property within the United Kingdom.
- Sets out minimum standards which firms compiling and selling search reports have to meet.
- Promotes the best practice and quality standards within the industry for the benefit of consumers and property professionals.
- Enables consumers and property professionals to have confidence in firms which subscribe to the code, their products and services.

By giving you this information, the search firm is confirming that they keep to the principles of the Code. This provides important protection for you.

Firms which subscribe to the Search Code will:

- Display the Search Code logo prominently on their search reports act with integrity and carry out work with due skill, care and diligence at all times maintain adequate and appropriate insurance to protect consumers conduct business in an honest, fair and professional manner handle complaints speedily and fairly ensure that products and services comply with industry registration rules and standards and relevant laws monitor their compliance with the Code.

COMPLAINTS

If you have a query or complaint about your search, you should raise it directly with the search firm, and if appropriate ask for any complaint to be considered under their formal internal complaints procedure. If you remain dissatisfied with the firm's final response, after your complaint has been formally considered, or if the firm has exceeded the response timescales, you may refer your complaint for consideration under The Property Ombudsman scheme (TPOs). The Ombudsman can award up to £5,000 to you if the Ombudsman finds that you have suffered actual financial loss

and/or aggravation, distress or inconvenience as a result of your search provider failing to keep to the Code.

Please note that all queries or complaints regarding your search should be directed to your search provider in the first instance, not to TPOs or to the PCCB.

Contact Cornwall Mining Consultants if you would like a copy of the Search Code or our Complaints Procedure. We trust this report provides the information you require, however should you have any queries, please contact Cornwall Mining Consultants.

TPOS CONTACT DETAILS

The Property Ombudsman Scheme, Milford House, 43-55, Milford Street, Salisbury, Wiltshire SP1 2BP

T: 01722 333306 | **Fax:** 01722 332296

E: admin@tpos.co.uk | **W:** tpos.co.uk

You can get more information about the PCCB from propertycodes.org.uk or from our website at cornwallminingconsultants.com

COMPLAINTS PROCEDURE

Cornwall Consultants Ltd trading as Cornwall Mining Consultants is registered with the Property Codes Compliance Board as a subscriber to the Search Code. A key commitment under the Code is that firms will handle any complaints both speedily and fairly.

If you want to make a complaint directly to Cornwall Mining Consultants, we will:

- Acknowledge it within 5 working days of receipt.
- Normally deal with it fully and provide a final response, in writing, within 20 working days of receipt.
- Keep you informed by letter, telephone or e-mail, as you prefer, if we need more time.
- Provide a final response, in writing, at the latest within 40 working days of receipt.
- Liaise, at your request, with anyone acting formally on your behalf.

If you are not satisfied with our final response, or if we exceed the response timescales, you may refer the complaint to:

The Property Ombudsman scheme (TPOs):

T: 01722 333306 | **E:** admin@tpos.co.uk | **W:** tpos.co.uk

We will co-operate fully with the Ombudsman during an investigation and comply with his final decision.

COMPLAINTS SHOULD BE SENT TO:

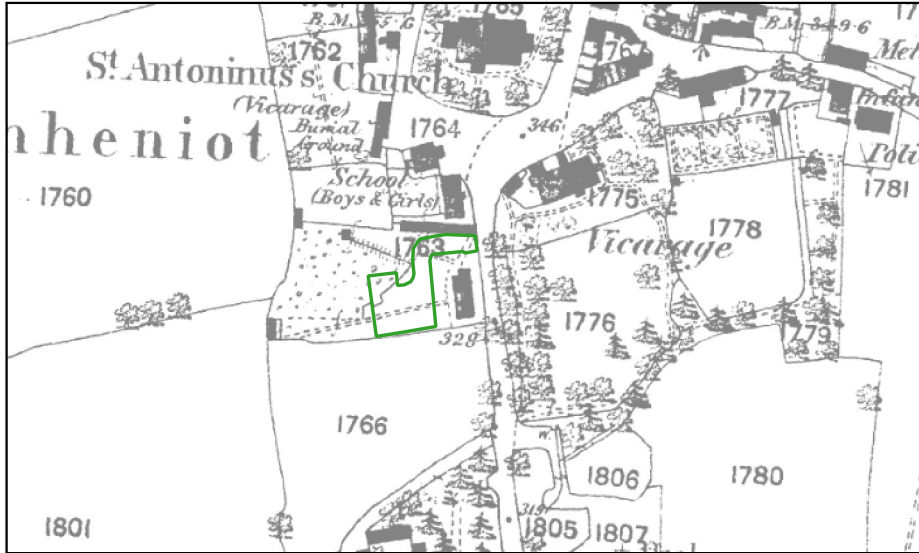
The Managing Director, Cornwall Mining Consultants, Unit 3 East Pool, Tolvaddon Business Park, Camborne, Cornwall TR14 0HX

E: help@cornwallconsultants.co.uk | **T:** 01209 313511

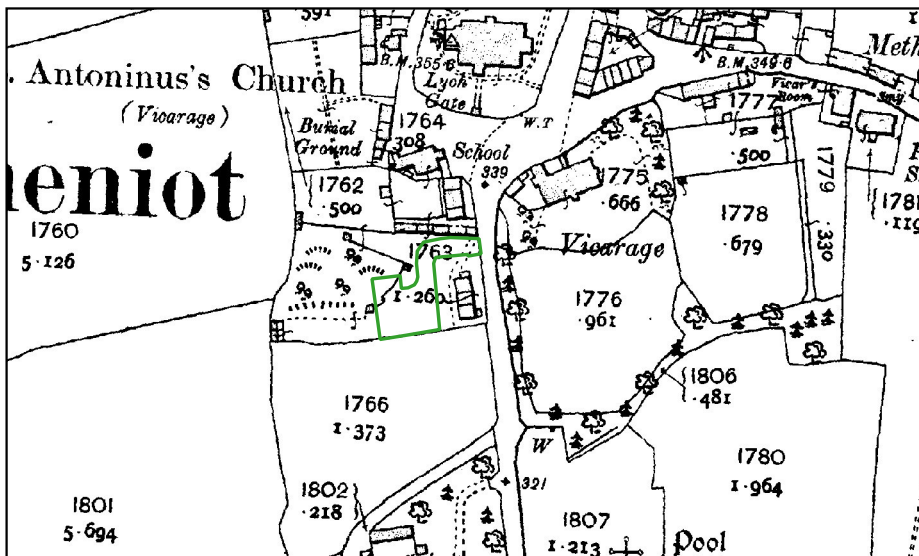
You can also view our [complaints procedure here](#)

APPENDIX D: Historical Ordnance Survey Maps

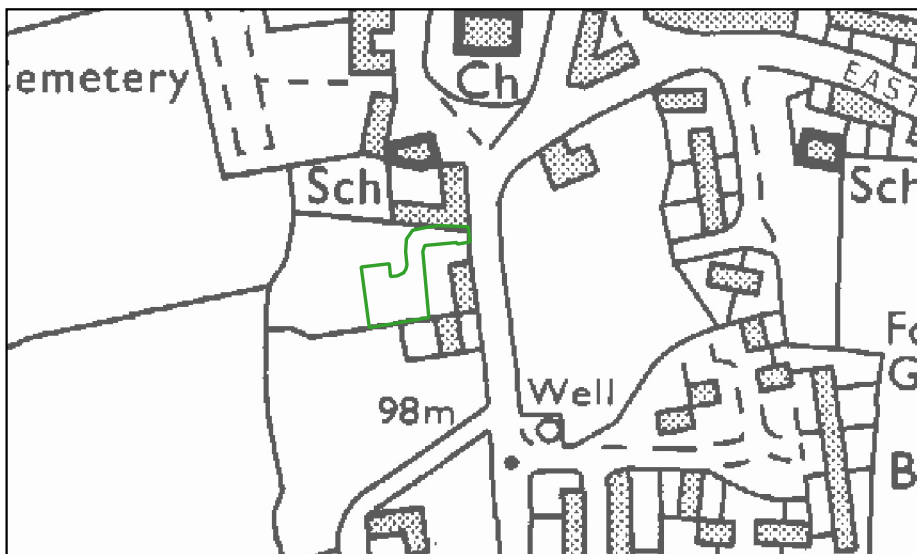
Ordnance Survey map dated 1880



Ordnance Survey map dated 1908



Ordnance Survey map dated 1978



© Crown Copyright Licence No AI100014361



**CORNWALL
MINING
CONSULTANTS**

Cornwall Consultants Limited trading as Cornwall Mining Consultants. Registered Office: Unit 3 East Pool, Tolvaddon Business Park, Camborne TR14 0HX. Registered in England & Wales. Registered No: 04578850

PHASE I – Land Contamination Desk Study

Land Adjacent to Minefield Cottages (Plot 3),
Menheniot, Liskeard, Cornwall, PL14 3RY

Reference: SS/6011.1

Date: 24/04/2024

Scale: 1:3,000

APPENDIX E: Environmental Report

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

344171955_1_1

Customer Reference:

SS6011.1

National Grid Reference:

228760, 62720

Slice:

A

Site Area (Ha):

0.08

Search Buffer (m):

1000

Site Details:

Site at 228764,62724

Client Details:

Mr M Sharpe

Cornwall Consultants Ltd

3 East Pool

Tolvaddon Business Park

Camborne

Cornwall

TR14 0HX

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	22
Hazardous Substances	-
Geological	24
Industrial Land Use	26
Sensitive Land Use	27
Data Currency	28
Data Suppliers	32
Useful Contacts	33

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.

Copyright Notice

© Landmark Information Group Limited 2024. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, the Environment Agency/Natural Resources Wales and Natural England, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer. A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark, subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and /or other Data providers, whose Copyright material has been included in this Report. © Environment Agency & United Kingdom Research and Innovation 2024. © Natural Resources Wales & United Kingdom Research and Innovation 2024.

Natural England Copyright Notice

Site of Special Scientific Interest, National Nature Reserve, Ramsar, Special Protection Area, Special Conservation Area, Marine Nature Reserve data (derived from Ordnance Survey 1:10000 raster) is provided by, and used with the permission of, Natural England who retain the copyright and Intellectual Property Rights for the data.

Scottish Natural Heritage Copyright

Contains SNH information licensed under the Open Government Licence v3.0.

Ove Arup Copyright Notice

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

Stantec Copyright Notice

The cavity data presented has been extracted from the PBA (now Stantec UK Ltd) enhanced version of the original DEFRA national cavity databases. Stantec UK Ltd retain the copyright & intellectual property rights in the data. Whilst all reasonable efforts are made to check that the information contained in the cavity databases is accurate we do not warrant that the data is complete or error free. The information is based upon our own researches and those collated from a number of external sources and is continually being augmented and updated by Stantec UK Ltd. In no event shall Stantec UK Ltd or Landmark be liable for any loss or damage including, without limitation, indirect or consequential loss or damage arising from the use of this data.

Radon Potential dataset Copyright Notice

Information supplied from a joint dataset compiled by The British Geological Survey and Public Health England.

Natural Resources Wales Copyright Notice

Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Contains Ordnance Survey Data. Ordnance Survey Licence number 100019741. Crown Copyright and Database Right. Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Some features of this information are based on digital spatial data licensed from the Centre for Ecology & Hydrology © NERC (CEH). Defra, Met Office and DARD Rivers Agency © Crown copyright. © Cranfield University. © James Hutton Institute. Contains OS data © Crown copyright and database right 2024. Land & Property Services © Crown copyright and database right.

Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1		Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1			5	22
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 8		Yes		
Pollution Incidents to Controlled Waters	pg 8			2	2
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 9			1	2
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 9				4 (*15)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 14	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 14	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 14		1	13	45

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 22				2
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 22				1
Local Authority Landfill Coverage	pg 22	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Registered Landfill Sites	pg 23				1
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 24	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 24			1	
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability	pg 24	Yes	n/a	n/a	n/a
Man-Made Mining Cavities	pg 24			1	3
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 24	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 25	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 25	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 25		Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 25		Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 25	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures	pg 25	Yes	n/a	n/a	n/a

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 26		3		2
Fuel Station Entries					
Gas Pipelines					
Underground Electrical Cables					
Sensitive Land Use					
Ancient Woodland	pg 27				1
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (S)	5	1	228763 62700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (S)	54	1	228763 62650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (S)	209	1	228700 62500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NW (W)	243	1	228500 62750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (W)	294	1	228450 62700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (NW)	438	1	228400 63000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	473	1	229250 62650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (NW)	478	1	228350 63000
1	Discharge Consents Operator: South West Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Old Scrawns Lodge Cso, Menheniot, Cornwall Authority: Environment Agency, South West Region Catchment Area: Seaton, Cornwall Reference: 302303 Permit Version: 1 Effective Date: 27th September 2001 Issued Date: 27th September 2001 Revocation Date: 10th December 2008 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Watercourse Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	264	2	228582 62937
2	Discharge Consents Operator: South West Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Scawns Hill Cso Scawns Hill, Menheniot, Liskeard, Cornwall, PL14 3qp Authority: Environment Agency, South West Region Catchment Area: Seaton, Cornwall Reference: 301857 Permit Version: 1 Effective Date: 1st October 2000 Issued Date: 1st October 2000 Revocation Date: 28th May 2015 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Seaton (S) Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	373	2	228462 62973

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	<p>Discharge Consents</p> <p>Operator: South West Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Scawns Hill Cso Scawns Hill, Menheniot, Liskeard, Cornwall, PL14 3qp Authority: Environment Agency, South West Region Catchment Area: Seaton, Cornwall Reference: 301857 Permit Version: 2 Effective Date: 29th May 2015 Issued Date: 29th May 2015 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of The River Seaton Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A13NW (NW)	379	2	228460 62980
3	<p>Discharge Consents</p> <p>Operator: South West Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Church Square Cso Church Square, Menheniot, Liskeard, Cornwall, PL14 3rz Authority: Environment Agency, South West Region Catchment Area: Seaton, Cornwall Reference: 301858 Permit Version: 1 Effective Date: 1st October 2000 Issued Date: 1st October 2000 Revocation Date: 28th May 2015 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Seaton (S) Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A8NW (SW)	452	2	228457 62356
3	<p>Discharge Consents</p> <p>Operator: South West Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Church Square Cso Church Square, Menheniot, Liskeard, Cornwall, PL14 3rz Authority: Environment Agency, South West Region Catchment Area: Seaton, Cornwall Reference: 301858 Permit Version: 2 Effective Date: 29th May 2015 Issued Date: 29th May 2015 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of The River Seaton Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A8NW (SW)	461	2	228450 62350
4	<p>Discharge Consents</p> <p>Operator: South West Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Merrymeet/Pengover Sewerage &, Sewage Disposal, Cornwall Authority: Environment Agency, South West Region Catchment Area: Tiddy, Cornwall Reference: Swwa 571 Permit Version: 1 Effective Date: 10th September 1985 Issued Date: 10th September 1985 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Seaton Status: New Consent, by Application, granted by Secretary of State Positional Accuracy: Located by supplier to within 100m</p>	A8NW (SW)	534	2	228480 62240

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	<p>Discharge Consents</p> <p>Operator: South West Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Menheniot Wwtw, Menheniot, Liskeard, Cornwall, PL14 3ph Authority: Environment Agency, South West Region Catchment Area: Seaton, Cornwall Reference: Nra-Sw-1358 Permit Version: 1 Effective Date: 30th October 1989 Issued Date: 30th October 1989 Revocation Date: 30th March 2001 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of River Seaton (S) Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m</p>	A8NW (SW)	560	2	228500 62200
5	<p>Discharge Consents</p> <p>Operator: Julian A C Sturdy Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: East Down Barn, Menheniot, Liskeard, Cornwall Authority: Environment Agency, South West Region Catchment Area: Seaton, Cornwall Reference: Nra-Sw-2005 Permit Version: 1 Effective Date: 29th August 1990 Issued Date: 29th August 1990 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Soakaway Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m</p>	A14SW (SE)	546	2	229250 62450
6	<p>Discharge Consents</p> <p>Operator: South West Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Menheniot Wwtw, Menheniot, Liskeard, Cornwall, PL14 3ph Authority: Environment Agency, South West Region Catchment Area: Seaton, Cornwall Reference: Nra-Sw-1359 Permit Version: 2 Effective Date: 28th September 2010 Issued Date: 28th September 2010 Revocation Date: 28th May 2015 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of River Seaton (S) Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 100m</p>	A7NE (SW)	611	2	228400 62200
7	<p>Discharge Consents</p> <p>Operator: Mr & Mrs P H Blomfield Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: Tregrill Farm, Menheniot, Liskeard, Cornwall, PL14 3pl Authority: Environment Agency, South West Region Catchment Area: Seaton, Cornwall Reference: 302079 Permit Version: 2 Effective Date: 17th December 2012 Issued Date: 17th December 2012 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Groundwater Via Soakaway Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A17SE (NW)	647	2	228290 63190

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	<p>Discharge Consents</p> <p>Operator: Mr & Mrs P H Blomfield Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: Tregrill Farm, Menheniot, Liskeard, Cornwall, PL14 3pl Authority: Environment Agency, South West Region Catchment Area: Seaton, Cornwall Reference: 302079 Permit Version: 1 Effective Date: 19th April 2001 Issued Date: 25th April 2001 Revocation Date: 16th December 2012 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Groundwater Via Soakaway Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A17SE (NW)	647	2	228290 63190
8	<p>Discharge Consents</p> <p>Operator: South West Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Factory Houses Pumping Station Factory Houses, Menheniot, Liskeard, Cornwall, PL14 3pp Authority: Environment Agency, South West Region Catchment Area: Seaton, Cornwall Reference: 301539 Permit Version: 1 Effective Date: 1st October 2000 Issued Date: 1st October 2000 Revocation Date: 28th May 2015 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Seaton (S) Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A7NE (SW)	721	2	228420 62060
8	<p>Discharge Consents</p> <p>Operator: South West Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Menheniot Wwtw, Menheniot, Liskeard, Cornwall, PL14 3ph Authority: Environment Agency, South West Region Catchment Area: Seaton, Cornwall Reference: 15/48/171/P/3a Permit Version: 8 Effective Date: 12th May 2017 Issued Date: 12th May 2017 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of The River Seaton Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A8SW (SW)	744	2	228430 62030
8	<p>Discharge Consents</p> <p>Operator: South West Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Menheniot Wwtw, Menheniot, Liskeard, Cornwall, PL14 3ph Authority: Environment Agency, South West Region Catchment Area: Seaton, Cornwall Reference: 15/48/171/P/3a Permit Version: 8 Effective Date: 12th May 2017 Issued Date: 12th May 2017 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of The River Seaton Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A8SW (SW)	744	2	228430 62030

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	<p>Discharge Consents</p> <p>Operator: South West Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Factory Houses Pumping Station Factory Houses, Menheniot, Liskeard, Cornwall, P114 3pp Authority: Environment Agency, South West Region Catchment Area: Seaton, Cornwall Reference: 301539 Permit Version: 2 Effective Date: 29th May 2015 Issued Date: 29th May 2015 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of The River Seaton Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A8SW (SW)	744	2	228430 62030
8	<p>Discharge Consents</p> <p>Operator: South West Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Factory Houses Pumping Station Factory Houses, Menheniot, Liskeard, Cornwall, P114 3pp Authority: Environment Agency, South West Region Catchment Area: Seaton, Cornwall Reference: 301539 Permit Version: 2 Effective Date: 29th May 2015 Issued Date: 29th May 2015 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of The River Seaton Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A8SW (SW)	744	2	228430 62030
8	<p>Discharge Consents</p> <p>Operator: South West Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Menheniot Wwtw, Menheniot, Liskeard, Cornwall, P114 3ph Authority: Environment Agency, South West Region Catchment Area: Seaton, Cornwall Reference: 15/48/171/P/3a Permit Version: 7 Effective Date: 29th May 2015 Issued Date: 29th May 2015 Revocation Date: 11th May 2017 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of The River Seaton Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A8SW (SW)	744	2	228430 62030
8	<p>Discharge Consents</p> <p>Operator: South West Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Menheniot Wwtw, Menheniot, Liskeard, Cornwall, P114 3ph Authority: Environment Agency, South West Region Catchment Area: Seaton, Cornwall Reference: 15/48/171/P/3a Permit Version: 7 Effective Date: 29th May 2015 Issued Date: 29th May 2015 Revocation Date: 11th May 2017 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of The River Seaton Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A8SW (SW)	744	2	228430 62030

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	<p>Discharge Consents</p> <p>Operator: Mr P Blomfield Property Type: Wooden Containers Location: Tregriff Farm, Menheniot, LISKEARD, Cornwall, PL14 3PL Authority: Environment Agency, South West Region Catchment Area: Tiddy, Cornwall Reference: NRA-SW-6836/1 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 9th August 1994 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Treated Effluent Discharge: Land/Soakaway Environment: Receiving Water: Licence Status: Lapsed, Revoked Or Cancelled Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A17SE (NW)	727	2	228190 63200
10	<p>Discharge Consents</p> <p>Operator: South West Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Menheniot Wwtw, Menheniot, Liskeard, Cornwall, P114 3ph Authority: Environment Agency, South West Region Catchment Area: Seaton, Cornwall Reference: 15/48/171/P/3a Permit Version: 6 Effective Date: 18th August 2011 Issued Date: 18th August 2011 Revocation Date: 30th March 2015 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of River Seaton (S) Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A7SE (SW)	814	2	228320 62010
10	<p>Discharge Consents</p> <p>Operator: South West Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Menheniot Wwtw, Menheniot, Liskeard, Cornwall, P114 3ph Authority: Environment Agency, South West Region Catchment Area: Seaton, Cornwall Reference: 15/48/171/P/3a Permit Version: 4 Effective Date: 26th March 2010 Issued Date: 26th March 2010 Revocation Date: 17th August 2011 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of River Seaton (S) Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A7SE (SW)	814	2	228320 62010
10	<p>Discharge Consents</p> <p>Operator: South West Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Menheniot Wwtw, Menheniot, Liskeard, Cornwall, P114 3ph Authority: Environment Agency, South West Region Catchment Area: Seaton, Cornwall Reference: 15/48/171/P/3a Permit Version: 5 Effective Date: 31st March 2015 Issued Date: 26th March 2010 Revocation Date: 28th May 2015 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of River Seaton (S) Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A7SE (SW)	814	2	228320 62010

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	<p>Discharge Consents</p> <p>Operator: South West Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Menheniot Wwtw, Menheniot, Liskeard, Cornwall, PL14 3ph Authority: Environment Agency, South West Region Catchment Area: Seaton, Cornwall Reference: 15/48/171/P/3a Permit Version: 3 Effective Date: 1st January 2010 Issued Date: 25th September 2009 Revocation Date: 25th March 2010 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of River Seaton (S) Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A7SE (SW)	814	2	228320 62010
10	<p>Discharge Consents</p> <p>Operator: South West Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Menheniot Wwtw, Menheniot, Liskeard, Cornwall, PL14 3ph Authority: Environment Agency, South West Region Catchment Area: Seaton, Cornwall Reference: 15/48/171/P/3a Permit Version: 1 Effective Date: 26th September 1981 Issued Date: 23rd April 1970 Revocation Date: 29th March 2006 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of River Seaton (S) Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961 Positional Accuracy: Located by supplier to within 10m</p>	A7SE (SW)	814	2	228320 62010
10	<p>Discharge Consents</p> <p>Operator: South West Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Menheniot Wwtw, Menheniot, Liskeard, Cornwall, PL14 3ph Authority: Environment Agency, South West Region Catchment Area: Seaton, Cornwall Reference: 15/48/171/P/3a Permit Version: 2 Effective Date: 30th March 2006 Issued Date: 23rd April 1970 Revocation Date: 31st December 2009 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of River Seaton (S) Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961 Positional Accuracy: Located by supplier to within 10m</p>	A7SE (SW)	814	2	228320 62010
11	<p>Discharge Consents</p> <p>Operator: South West Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Menheniot Wwtw, Menheniot, Liskeard, Cornwall, PL14 3ph Authority: Environment Agency, South West Region Catchment Area: Seaton, Cornwall Reference: Nra-Sw-1359 Permit Version: 1 Effective Date: 30th October 1989 Issued Date: 30th October 1989 Revocation Date: 27th September 2010 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of River Seaton (S) Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m</p>	A7SE (SW)	875	2	228400 61900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	<p>Discharge Consents</p> <p>Operator: The Challenge Business Ltd Property Type: Undefined Or Other Location: Trepen, Menheniot, Liskeard, Cornwall, PL14 3pn Authority: Environment Agency, South West Region Catchment Area: Seaton, Cornwall Reference: Nra-Sw-6594 Permit Version: 1 Effective Date: 3rd June 1994 Issued Date: 3rd June 1994 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Soakaway Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m</p>	A8SW (S)	942	2	228560 61780
	<p>Nearest Surface Water Feature</p>	A13NW (NW)	243	-	228620 62938
13	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Water Company Sewage: Storm Overflow Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Crude Sewage Note: Inadequate Design/Capacity Incident Date: 17th July 1995 Incident Reference: 62016142 Catchment Area: Seaton, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Overflow Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m</p>	A8NW (SW)	419	2	228480 62380
14	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Water Company Sewage: Sewage Treatment Works Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Sewage - Treated Effluent Note: Not Supplied Incident Date: 5th July 1993 Incident Reference: 62010131 Catchment Area: Seaton, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Effluent Discharge Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A8NW (SW)	472	2	228500 62300
15	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Other Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Rubble/Litter Or Solids Note: Non-Water Company Land Drainage Work Incident Date: 28th June 1993 Incident Reference: 62010107 Catchment Area: Seaton, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Other Cause Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A7NE (SW)	679	2	228200 62300
16	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Water Company Sewage: Sewage Treatment Works Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Sewage - Treated Effluent Note: Deliberate Act Incident Date: 7th September 1994 Incident Reference: 62015869 Catchment Area: Seaton, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Effluent Discharge Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A7NE (SW)	696	2	228400 62100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	River Quality Name: Menheniot Strm GQA Grade: River Quality A Reach: Source-At Factory Estimated Distance (km): 3.1 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A12NE (W)	344	2	228402 62775
	River Quality Name: Menheniot Strm GQA Grade: River Quality A Reach: At Factory-Seaton Confluence Estimated Distance (km): .1 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A7NE (SW)	616	2	228397 62196
	River Quality Name: Seaton GQA Grade: River Quality A Reach: Roseland-Courtney S Mill Bridge Estimated Distance (km): 2.6 Flow Rate: Flow less than 1.25 cumecs Flow Type: River Year: 2000	A7NE (SW)	700	2	228372 62112
17	Water Abstractions Operator: MR R H HOCKING Licence Number: 1548171G010 Permit Version: Not Supplied Location: Tregillis Farm , MENHENIOT Authority: Environment Agency, South West Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well Daily Rate (m3): 2.70 Yearly Rate (m3): 996.00 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	719	2	228200 63200
18	Water Abstractions Operator: HAS BEEN ALLOCATED FOR Licence Number: 1548171G027 Permit Version: Not Supplied Location: Lands At, St Mary Ann Mine, Wheal Trahane, MENHENIOT Authority: Environment Agency, South West Region Abstraction: Industrial Processing (Miscellaneous) Abstraction Type: Not Supplied Source: Shaft Daily Rate (m3): 45.40 Yearly Rate (m3): 9092.00 Details: Washing Minerals Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A18NW (N)	760	2	228700 63500
19	Water Abstractions Operator: ROSELAND CONCRETE LTD Licence Number: 1548171G031 Permit Version: Not Supplied Location: Lands At, Mary Ann Mine, MENHENIOT Authority: Environment Agency, South West Region Abstraction: Industrial Processing (Quarrying) Abstraction Type: Not Supplied Source: Shaft Daily Rate (m3): 38.60 Yearly Rate (m3): 9077.00 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A18NW (N)	860	2	228700 63600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	<p>Water Abstractions</p> <p>Operator: TRST OF GOLDRENICK STLMT Licence Number: 1548171G048 Permit Version: Not Supplied Location: Motts Cottage &, Coutrenay Mill Cottage, MENHENIOT Authority: Environment Agency, South West Region Abstraction: Private Water Supplies (Domestic) Abstraction Type: Not Supplied Source: Spring Daily Rate (m3): 0.90 Yearly Rate (m3): 295.00 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A8SE (S)	873	2	229100 61900
	<p>Water Abstractions</p> <p>Operator: HAS BEEN ALLOCATED FOR Licence Number: 1547142G017 Permit Version: Not Supplied Location: Trewint, Menheniot, LISKEARD, Cornwall Authority: Environment Agency, South West Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well Daily Rate (m3): 4.50 Yearly Rate (m3): 1659.00 Details: Depth 8M Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A19SE (NE)	1024	2	229700 63200
	<p>Water Abstractions</p> <p>Operator: Mr S Langman Licence Number: 15/48/171/G/020 Permit Version: 100 Location: Tregrilldowns Farm, Menheniot - Well Authority: Environment Agency, South West Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Tregrilldowns Farm, Menheniot Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 31st March 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A11NE (W)	1045	2	227700 62800
	<p>Water Abstractions</p> <p>Operator: Mr D W Gillbard Licence Number: 15/48/171/S/012 Permit Version: 100 Location: Factory Farm Authority: Environment Agency, South West Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Factory Farm, Menheniot Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 5th October 1984 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A3NW (S)	1105	2	228700 61600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Mr C J Gillbard Licence Number: 15/48/171/S/012 Permit Version: 100 Location: Factory Farm Authority: Environment Agency, South West Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Factory Farm, Menheniot Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 5th October 1984 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A3NW (S)	1105	2	228700 61600
	<p>Water Abstractions</p> <p>Operator: Dr & Mrs S Jeffries Licence Number: 15/48/171/G/030 Permit Version: 100 Location: Cartuther Mill Leat Cottages, Menheniot - Well Authority: Environment Agency, South West Region Abstraction: Household Water Supply: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Nos 1 & 2 Cartuther Mill Leat Cottages, Menheniot Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 4th June 1988 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A11NE (W)	1272	2	227500 63000
	<p>Water Abstractions</p> <p>Operator: MR J P HARRIS & Licence Number: 1548171G009 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, South West Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well Daily Rate (m3): 1.10 Yearly Rate (m3): 409.00 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A16SE (W)	1297	2	227500 63100
	<p>Water Abstractions</p> <p>Operator: ARC SOUTH WESTERN Licence Number: 1548171S009 Permit Version: Not Supplied Location: Clicker Tor Quarry, MENHENIOT Authority: Environment Agency, South West Region Abstraction: Industrial Processing (Quarrying) Abstraction Type: Not Supplied Source: Reservoir/Pond Daily Rate (m3): 61.40 Yearly Rate (m3): 17550.00 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A3SE (S)	1405	2	228800 61300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Mr R S Rowe Licence Number: 15/47/142/G/023 Permit Version: 100 Location: Tregondale Farm, Liskeard - Borehole Authority: Environment Agency, South West Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Tregondale Farm, Menheniot, Liskeard Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 31st March 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A24NW (N)	1674	2	229400 64300
	<p>Water Abstractions</p> <p>Operator: MR S P BETTY Licence Number: 1548171G046 Permit Version: Not Supplied Location: Lower Clicker Farm , MENHENIOT Authority: Environment Agency, South West Region Abstraction: Private Water Supplies (Domestic) Abstraction Type: Not Supplied Source: Spring Daily Rate (m3): 15.00 Yearly Rate (m3): 5473.00 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	(S)	1789	2	228200 61000
	<p>Water Abstractions</p> <p>Operator: HAS BEEN ALLOCATED FOR Licence Number: 1548171G026 Permit Version: Not Supplied Location: Lands In Menheniot Authority: Environment Agency, South West Region Abstraction: Private Water Supplies (Domestic) Abstraction Type: Not Supplied Source: Borehole Daily Rate (m3): 13.60 Yearly Rate (m3): 5133.00 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A1NW (SW)	1819	2	227300 61600
	<p>Water Abstractions</p> <p>Operator: MR W T B HANCOCK Licence Number: 1547142G006 Permit Version: Not Supplied Location: Trenodden Farm , DODDYCROSS Authority: Environment Agency, South West Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well Daily Rate (m3): 0.20 Yearly Rate (m3): 68.00 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	(E)	1945	2	230700 62400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Cornwall County Council Licence Number: 15/47/142/G/029 Permit Version: 100 Location: Trenant Farm, Menheniot - Collection Chamber No. 1 Authority: Environment Agency, South West Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 14 Yearly Rate (m3): 4977 Details: Trenant Farm, Menheniot Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 30th June 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	(N)	1969	2	229000 64700
	<p>Water Abstractions</p> <p>Operator: Cornwall County Council Licence Number: 15/47/142/G/029 Permit Version: 100 Location: Trenant Farm, Menheniot - Collection Chamber No. 2 Authority: Environment Agency, South West Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Trenant Farm, Menheniot Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 30th June 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	(N)	1982	2	229100 64700
	<p>Water Abstractions</p> <p>Operator: Drinkmaster Ltd Licence Number: 15/48/172/G/029 Permit Version: 101 Location: New Central Garage, Menheniot - Borehole Authority: Environment Agency, South West Region Abstraction: Other Industrial/Commercial/Public Services: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: New Central Garage, Menheniot (As Shown Outlined In Red On The Map). Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st November 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(W)	1987	2	226780 62410
	<p>Water Abstractions</p> <p>Operator: Mr D P Rickards Licence Number: 15/48/172/G/029 Permit Version: 100 Location: New Central Garage, Menheniot - Borehole Authority: Environment Agency, South West Region Abstraction: Other Industrial/Commercial/Public Services: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: New Central Garage, Menheniot (As Shown Outlined In Red On The Map). Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th February 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(W)	1987	2	226780 62410

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: 40-70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	A13NW (NE)	0	3	228763 62725
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NW (NE)	0	3	228763 62725
	Superficial Aquifer Designations No Data Available				
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
21	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 73.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A13NW (NW)	243	4	228620 62938
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 924.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A13NW (W)	274	4	228485 62822
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 69.9 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A13NW (NW)	275	4	228549 62922
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 80.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A13NW (NW)	321	4	228480 62912

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A13NW (NW)	370	4	228485 62992
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A13NW (NW)	371	4	228479 62988
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A13NW (NW)	372	4	228474 62985
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A13NW (NW)	372	4	228474 62985
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 507.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A13NW (NW)	373	4	228475 62988
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 38.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A13NW (NW)	375	4	228490 63005
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 106.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A13NW (NW)	408	4	228479 63039
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 34.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A8NW (SW)	431	4	228481 62364
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 80.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A13SW (SW)	440	4	228431 62396

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 233.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A8NW (SW)	461	4	228476 62330
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A14SW (E)	547	4	229320 62626
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1061.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A14SW (E)	550	4	229318 62605
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A14SW (E)	557	4	229329 62618
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 363.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A14SW (E)	558	4	229330 62620
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 332.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A14SW (E)	558	4	229330 62620
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A8NW (SW)	656	4	228456 62114
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A8NW (SW)	702	4	228429 62078
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 36.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A8NW (SW)	710	4	228429 62069

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 106.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A7NE (SW)	712	4	228358 62106
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A8SW (SW)	741	4	228431 62033
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 368.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Seaton Catchment Name: Seaton Looe and Polperro Primacy: 1	A7NE (SW)	749	4	228334 62078
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A8SW (SW)	749	4	228427 62026
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 245.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A14NE (E)	754	4	229518 62918
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 180.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A14NE (E)	754	4	229518 62918
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 126.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A18NW (N)	767	4	228500 63462
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 133.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A18NW (N)	767	4	228500 63462
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 342.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Seaton Catchment Name: Seaton Looe and Polperro Primacy: 1	A8SW (SW)	771	4	228434 61999

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 182.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Seaton Catchment Name: Seaton Looe and Polperro Primacy: 1	A7NE (SW)	803	4	228111 62210
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 31.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A18NW (N)	819	4	228588 63542
54	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 44.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A18NW (N)	832	4	228614 63560
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 858.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Seaton Catchment Name: Seaton Looe and Polperro Primacy: 1	A7NW (SW)	837	4	228061 62223
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 29.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A7NW (SW)	837	4	228058 62226
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A7NW (SW)	837	4	228061 62223
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A7NE (SW)	841	4	228152 62107
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 181.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A19SE (NE)	845	4	229563 63069
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 74.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A7NE (SW)	845	4	228148 62106

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 214.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A18NW (N)	851	4	228650 63586
62	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 4.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A7NW (SW)	855	4	228031 62235
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A17NE (N)	883	4	228420 63555
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 284.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A17NE (N)	885	4	228423 63558
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A19SE (NE)	899	4	229596 63128
66	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 23.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A7NE (SW)	905	4	228116 62054
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A19SE (NE)	911	4	229605 63139
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A8SW (S)	914	4	228645 61795
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 88.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Seaton Catchment Name: Seaton Looe and Polperro Primacy: 1	A8SW (S)	914	4	228645 61795

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
70	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 51.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A19SE (NE)	915	4	229603 63151
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 358.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A7SE (SW)	928	4	228097 62040
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 113.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A18NE (N)	956	4	228832 63698
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 28.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A19SE (NE)	957	4	229627 63196
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 91.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A18NE (N)	970	4	228959 63697
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A18NE (N)	974	4	228938 63705
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 121.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A8SW (S)	976	4	228676 61730
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 324.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Seaton Catchment Name: Seaton Looe and Polperro Primacy: 1	A8SW (S)	976	4	228676 61730
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 82.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A19SE (NE)	995	4	229666 63203

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Seaton Looe and Polperro Primacy: 1	A19SE (NE)	1000	4	229664 63219

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
80	Historical Landfill Sites Licence Holder: Roseland Plant Company Limited Location: Tregill, Menheniot, Cornwall Name: Polpinka Cottage Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15316 First Input Date: 31st December 1977 Last Input Date: 31st December 1980 Specified Waste: Deposited Waste included Inert and Industrial Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 0800/0274 BGS Ref: Not Supplied Other Ref: 2/15	A12NE (NW)	582	2	228223 62989
81	Historical Landfill Sites Licence Holder: Not Supplied Location: Wheal Mary Ann, Menheniot, Liskeard Name: Wheal Mary Ann Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD08345 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: WM2/2/132, 6/27	A18NW (N)	820	2	228624 63550
82	Licensed Waste Management Facilities (Locations) Licence Number: 103963 Location: St Marys Lead Works, Mine Hill, Menheniot, Liskeard, Cornwall, PL14 3RG Operator Name: Cormac Solutions Limited Operator Location: Not Supplied Authority: Environment Agency - South West Region, Devon and Cornwall Area Site Category: Inert & excavation Waste TS + treatment Licence Status: Surrendered Issued: 8th May 2012 Last Modified: 14th November 2016 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 4th January 2018 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18NE (N)	941	2	228778 63684
	Local Authority Landfill Coverage Name: Caradon District Council - Has no landfill data to supply		0	5	228763 62725
	Local Authority Landfill Coverage Name: Cornwall County Council - Had landfill data but passed it to the relevant environment agency		0	6	228763 62725

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
83	<p>Registered Landfill Sites</p> <p>Licence Holder: Allen & Lock Ltd Licence Reference: WM/2/ 2/132 Site Location: Wheal Mary Ann (Os 7560), Menheniot, Liskeard, Cornwall Licence Easting: 228670 Licence Northing: 63600 Operator Location: Old Road, Liskeard, Cornwall Authority: Environment Agency - South West Region, Cornwall Area Site Category: Landfill Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year)</p> <p>Waste Source: Some restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st July 1992 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the road within the address or location Boundary Accuracy: Not Applicable Authorised Waste: Construction And Demolition Wastes Excav.Spoil, Soil, Stone, Rock Max.Waste Permitted (After Compac'N) Cornwall Cat.B: 'Slightl Soluble' Cornwall Cat.C: 'Solid Putrescible' Cornwall Cat.D Difficult Waste Cornwall Cat.F: 'Toxic' Cornwall Cat.G: 'Prohibited' Fibrous Forms Of Asbestos (Special) Waste N.O.S.</p> <p>Prohibited Waste</p>	A18NW (N)	863	2	228670 63600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Upper Devonian Rocks (Undifferentiated)	A13NW (NE)	0	1	228763 62725
84	BGS Recorded Mineral Sites Site Name: Menheniot Location: Menheniot, Liskeard, Cornwall Source: British Geological Survey, National Geoscience Information Service Reference: 83484 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Devonian and Carboniferous Geology: Saltash Formation Commodity: Slate Positional Accuracy: Located by supplier to within 10m	A14SW (SE)	377	1	229124 62574
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Mining Instability Mining Evidence: Conclusive Metaliferous Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13NW (NE)	0	-	228763 62725
	Man-Made Mining Cavities Easting: 228500 Northing: 62800 Distance: 253 Quadrant Reference: A13 Quadrant Reference: NW Bearing Ref: W Cavity Type: Unknown Mine Commodity: Unknown Solid Geology Detail: Saltash Formation Superficial Geology Alluvium Detail:	A13NW (W)	253	7	228500 62800
	Man-Made Mining Cavities Easting: 228800 Northing: 63400 Distance: 657 Quadrant Reference: A18 Quadrant Reference: NE Bearing Ref: N Cavity Type: Unknown Mine Commodity: Unknown Solid Geology Detail: Basaltic Rock, Saltash Formation Superficial Geology No Details Detail:	A18NE (N)	657	7	228800 63400
	Man-Made Mining Cavities Easting: 228700 Northing: 63500 Distance: 760 Quadrant Reference: A18 Quadrant Reference: NW Bearing Ref: N Cavity Type: Lead Mine-Details Unknown Commodity: Lead Solid Geology Detail: Saltash Formation Superficial Geology Made Ground Detail:	A18NW (N)	760	7	228700 63500
	Man-Made Mining Cavities Easting: 228700 Northing: 63500 Distance: 760 Quadrant Reference: A18 Quadrant Reference: NW Bearing Ref: N Cavity Type: Unknown Mine Commodity: Unknown Solid Geology Detail: Saltash Formation Superficial Geology Made Ground Detail:	A18NW (N)	760	7	228700 63500
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13NW (NE)	0	1	228763 62725

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NE)	0	1	228763 62725
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NE)	0	1	228763 62725
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NE)	0	1	228763 62725
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NE)	0	1	228763 62725
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	122	1	228804 62864
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	179	1	228729 62525
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NE)	0	1	228763 62725
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	22	1	228775 62687
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NE)	0	1	228763 62725
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	22	1	228775 62687
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Higher probability radon area (10 to 30% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NW (NE)	0	1	228763 62725
	Radon Potential - Radon Protection Measures Protection Measure: Full radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NW (NE)	0	1	228763 62725

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
85	<p>Contemporary Trade Directory Entries</p> <p>Name: P Green Location: 7, Fourgates, Menheniot, Liskeard, Cornwall, PL14 3SR Classification: Agricultural Machinery - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A13SE (SE)	168	-	228855 62564
86	<p>Contemporary Trade Directory Entries</p> <p>Name: Sparkles Location: 4, Mews Court, Menheniot, Liskeard, Cornwall, PL14 3QW Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A13NE (N)	219	-	228810 62960
87	<p>Contemporary Trade Directory Entries</p> <p>Name: Redbull Equipment Ltd Location: 23, Cowling Gardens, Menheniot, Liskeard, Cornwall, PL14 3QJ Classification: Machinery - Industrial & Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A13NE (NE)	250	-	228904 62962
88	<p>Contemporary Trade Directory Entries</p> <p>Name: Harvey Body Repair Location: Minefield Bungalow, Menheniot, Liskeard, PL14 3RY Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address</p>	A18SE (N)	566	-	228828 63307
89	<p>Contemporary Trade Directory Entries</p> <p>Name: Peter Blomfield Location: Menheniot, Liskeard, Cornwall, PL14 3PL Classification: Cabinet Makers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	695	-	228204 63167

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
90	Ancient Woodland Name: Dingle Hill Wood Reference: 1114193 Area(m ²): 22189.63 Type: Ancient and Semi-Natural Woodland	A12SW (W)	886	8	227882 62508




Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Caradon District Council (now part of Cornwall Council) - Environmental Health Department Environment Agency - Head Office Cornwall Council - Environmental Health Department	November 2008 November 2023 October 2017	Annually Annually
Discharge Consents Environment Agency - South West Region	January 2024	Quarterly
Enforcement and Prohibition Notices Environment Agency - South West Region	March 2013	
Integrated Pollution Controls Environment Agency - South West Region	January 2009	
Integrated Pollution Prevention And Control Environment Agency - South West Region	October 2023	Quarterly
Local Authority Integrated Pollution Prevention And Control Caradon District Council (now part of Cornwall Council) - Environmental Health Department Cornwall Council - Environmental Health Department	March 2008 March 2023	Not Applicable Variable
Local Authority Pollution Prevention and Controls Caradon District Council (now part of Cornwall Council) - Environmental Health Department Cornwall Council - Environmental Health Department	March 2008 March 2023	Not Applicable Annually
Local Authority Pollution Prevention and Control Enforcements Caradon District Council (now part of Cornwall Council) - Environmental Health Department Cornwall Council - Environmental Health Department	March 2008 March 2023	Not Applicable Variable
Nearest Surface Water Feature Ordnance Survey	March 2024	
Pollution Incidents to Controlled Waters Environment Agency - South West Region	September 1999	
Prosecutions Relating to Authorised Processes Environment Agency - South West Region	July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - South West Region	March 2013	
Registered Radioactive Substances Environment Agency - South West Region Environment Agency - Head Office	June 2016 May 2023	As notified Quarterly
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 West Region - Cornwall Area Environment Agency - South West Region - Devon and Cornwall Area	January 2024 January 2024	Quarterly Quarterly
Water Abstractions Environment Agency - South West Region	October 2023	Quarterly
Water Industry Act Referrals Environment Agency - South West Region	October 2017	
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	As notified
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	As notified

Agency & Hydrological	Version	Update Cycle
Source Protection Zones Environment Agency - Head Office	September 2022	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2023	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2023	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2023	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	January 2024	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines Ordnance Survey	April 2024	Quarterly
BGS Groundwater Flooding Susceptibility 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	July 2023	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - South West Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - South West Region - Cornwall Area Environment Agency - South West Region - Devon and Cornwall Area	January 2024 January 2024	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - South West Region - Cornwall Area Environment Agency - South West Region - Devon and Cornwall Area	January 2023 January 2023	Quarterly Quarterly
Local Authority Landfill Coverage Caradon District Council (now part of Cornwall Council) Cornwall County Council (now part of Cornwall Council)	February 2003 February 2003	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Caradon District Council (now part of Cornwall Council) Cornwall County Council (now part of Cornwall Council)	October 2018 October 2018	
Registered Landfill Sites Environment Agency - South West Region - Cornwall Area Environment Agency - South West Region - Devon and Cornwall Area	March 2006 March 2006	Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - South West Region - Cornwall Area Environment Agency - South West Region - Devon and Cornwall Area	April 2018 April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - South West Region - Cornwall Area Environment Agency - South West Region - Devon and Cornwall Area	June 2015 June 2015	

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	January 2024	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Cornwall County Council (now part of Cornwall Council) Caradon District Council (now part of Cornwall Council) - Planning Department Cornwall Council - Planning Department	January 2009 March 2009 May 2023	Annual Rolling Update Not Applicable Variable
Planning Hazardous Substance Consents Cornwall County Council (now part of Cornwall Council) Caradon District Council (now part of Cornwall Council) - Planning Department Cornwall Council - Planning Department	January 2009 March 2009 May 2016	Annual Rolling Update Not Applicable Variable
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	January 2024	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 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	October 2023	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	October 2023	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	October 2023	Quarterly
Fuel Station Entries Catalist Ltd - Experian	February 2024	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Underground Electrical Cables National Grid	January 2024	Bi-Annually
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	October 2023	Bi-Annually
Areas of Adopted Green Belt Caradon District Council (now part of Cornwall Council) Cornwall Council - Planning Department	February 2024 February 2024	Quarterly Quarterly
Areas of Unadopted Green Belt Caradon District Council (now part of Cornwall Council) Cornwall Council - Planning Department	February 2024 February 2024	Quarterly Quarterly
Areas of Outstanding Natural Beauty Natural England	November 2023	Bi-Annually
Environmentally Sensitive Areas Natural England	August 2023	
Forest Parks Forestry Commission	May 2023	Not Applicable
Local Nature Reserves Natural England	February 2024	Bi-Annually
Marine Nature Reserves Natural England	February 2024	Bi-Annually
National Nature Reserves Natural England	February 2024	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) Environment Agency - Head Office	April 2016 April 2024	Bi-Annually
Ramsar Sites Natural England	February 2024	Bi-Annually
Sites of Special Scientific Interest Natural England	April 2024	Bi-Annually
Special Areas of Conservation Natural England	April 2024	Bi-Annually
Special Protection Areas Natural England	October 2023	Bi-Annually

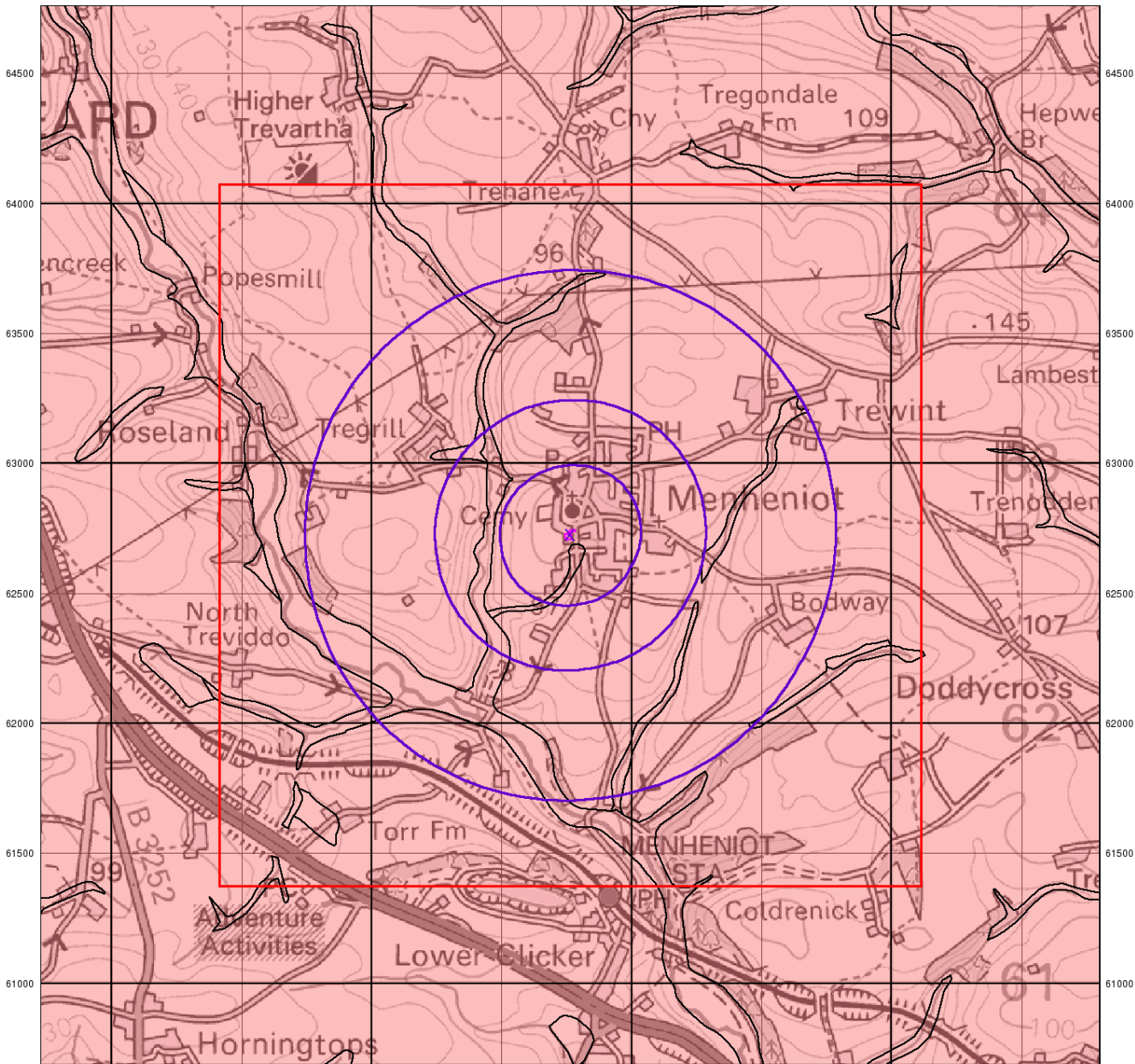
A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 British Geological Survey <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
4	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	Caradon District Council (now part of Cornwall Council) County Hall, Treyew Road, Truro, Cornwall, TR1 3AY	Telephone: 0300 1234 100 Email: enquiries@cornwall.gov.uk Website: www.cornwall.gov.uk
6	Cornwall County Council (now part of Cornwall Council) County Hall, Treyew Road, Truro, Cornwall, TR1 3AY	Telephone: 0300 1234 100 Email: enquiries@cornwall.gov.uk Website: www.cornwall.gov.uk
7	Stantec UK Ltd Caversham Bridge House, Waterman Place, Reading, RG1 8DN	Telephone: 0118 950 0761 Email: pba.reading@stantec.com Website: www.stantec.com
8	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

227000 227500 228000 228500 229000 229500 230000 230500



© Crown Copyright. All Rights Reserved. License Number 100022432.

0 1 km

Envirocheck®

LANDMARK INFORMATION GROUP®

Groundwater Vulnerability

General

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

Agency and Hydrological

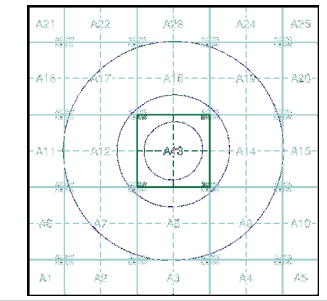
Bedrock Aquifers

- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer
- Unproductive Aquifer
- Soluble Rock

Superficial Aquifers

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

Site Sensitivity Context Map - Slice A



Order Details

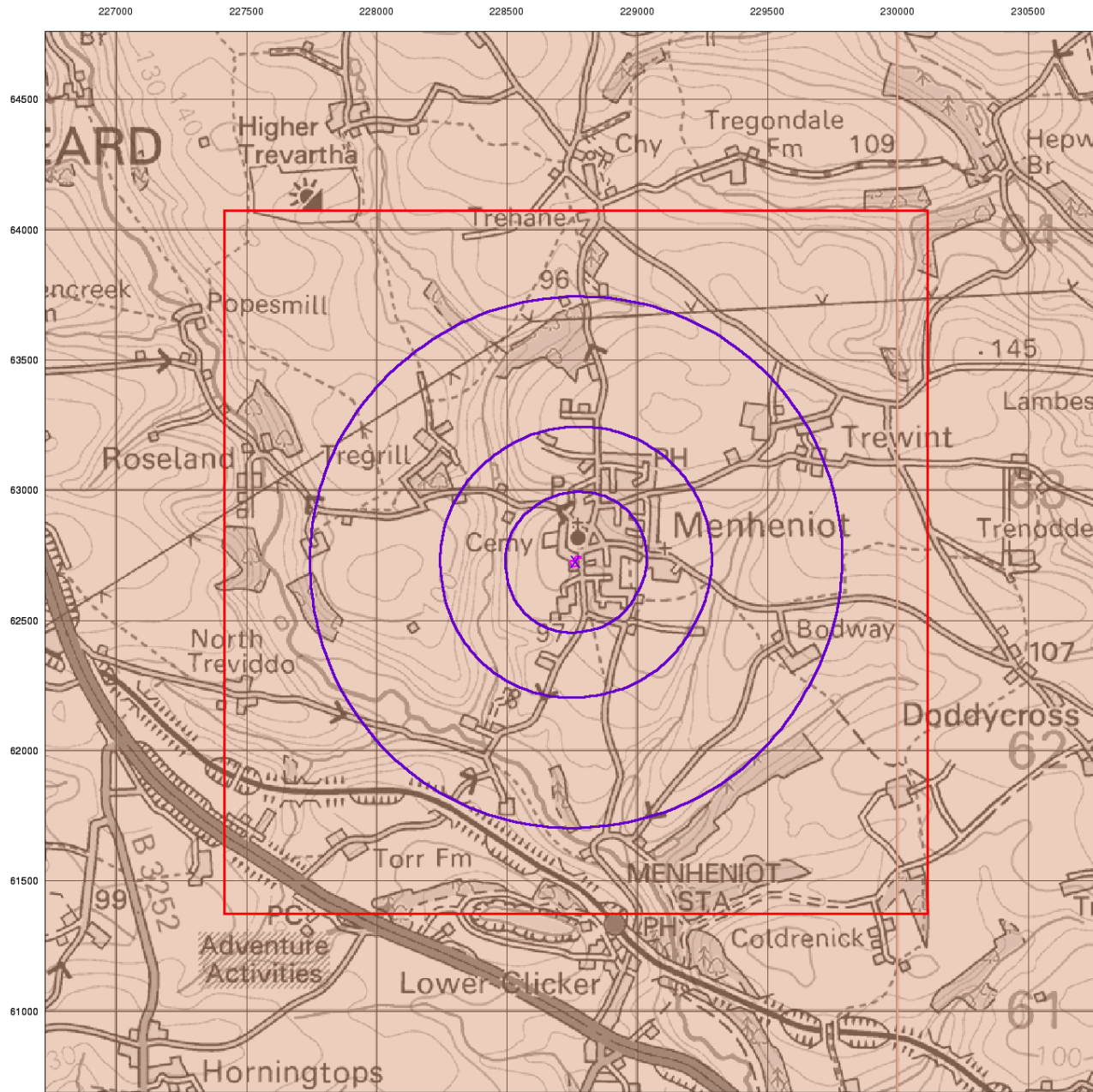
Order Number: 344171955_1_1
 Customer Ref: SS6011.1
 National Grid Reference: 228760, 62720
 Slice: A
 Site Area (Ha): 0.08
 Search Buffer (m): 1000

Site Details

Site at 228764,62724

Landmark®
 INFORMATION GROUP

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



© Crown Copyright. All Rights Reserved. License Number 100022432.

0 1 km

Envirocheck®

LANDMARK INFORMATION GROUP®

Bedrock Aquifer Designation

General

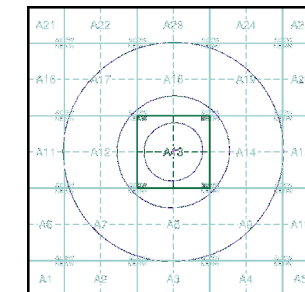
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

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

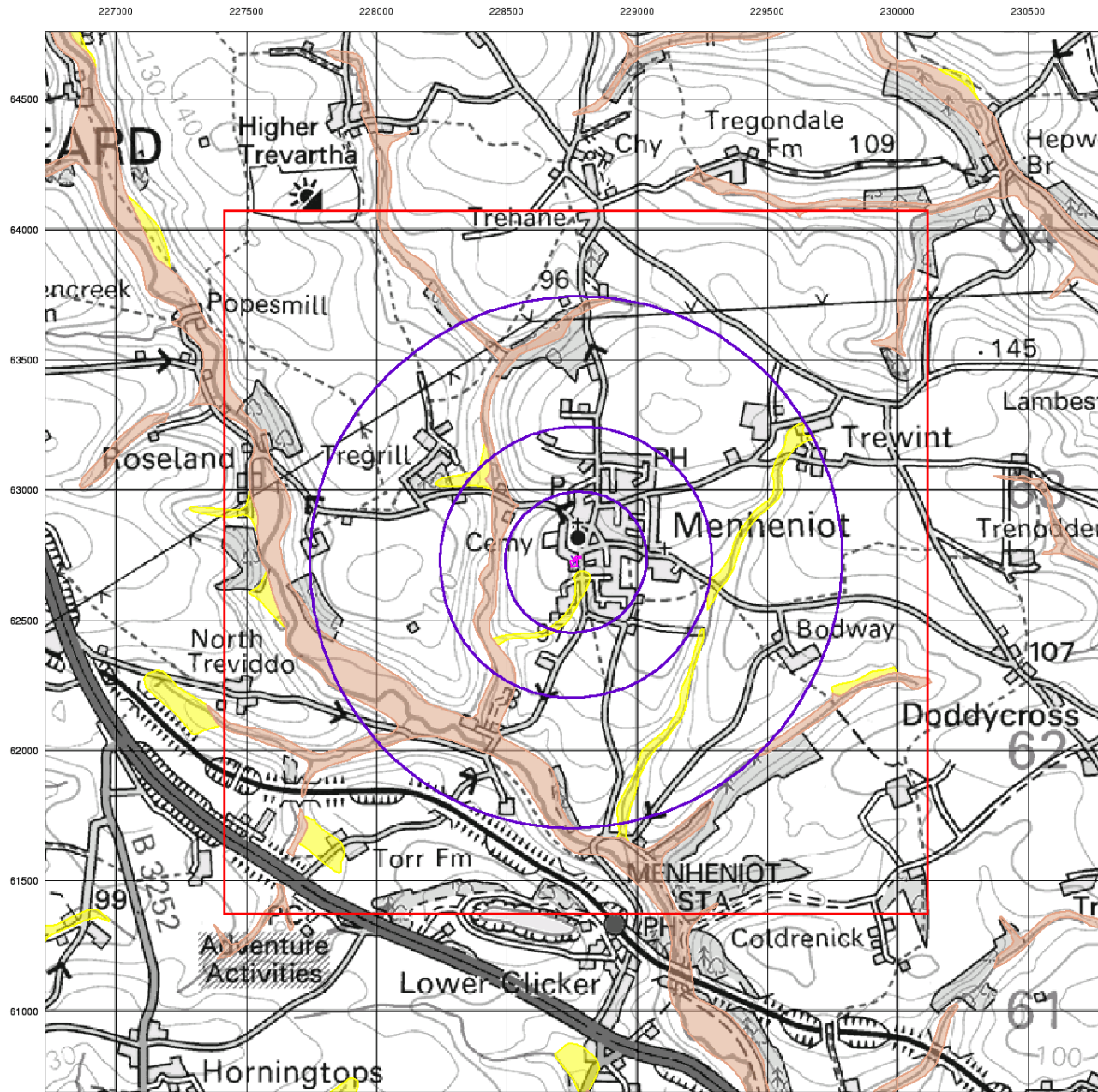
Order Number: 344171955_1_1
 Customer Ref: SS6011.1
 National Grid Reference: 228760, 62720
 Slice: A
 Site Area (Ha): 0.08
 Search Buffer (m): 1000

Site Details

Site at 228764,62724

Landmark®
 INFORMATION GROUP

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



© Crown Copyright. All Rights Reserved. License Number 100022432.

Envirocheck®

LANDMARK INFORMATION GROUP®

Superficial Aquifer Designation

General

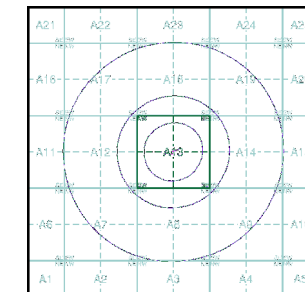
- ◇ Specified Site
- Specified Buffer(s)
- ✕ Bearing Reference Point
- Slice
- B Map ID

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

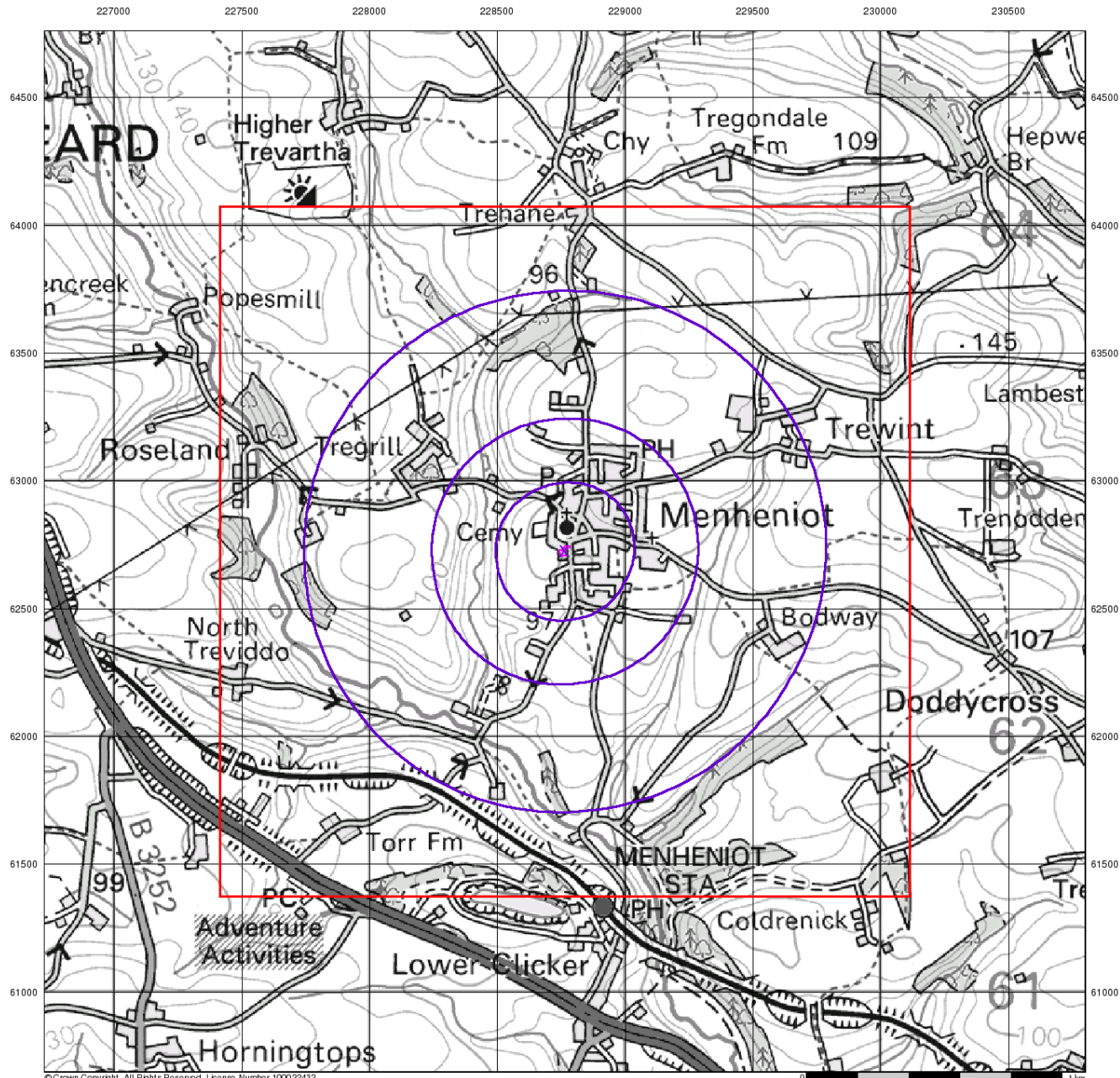
Order Number: 344171955_1_1
 Customer Ref: SS6011.1
 National Grid Reference: 228760, 62720
 Slice: A
 Site Area (Ha): 0.08
 Search Buffer (m): 1000

Site Details

Site at 228764,62724

Landmark
 INFORMATION GROUP

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



© Crown Copyright. All Rights Reserved. License Number 100022432

Envirocheck®

LANDMARK INFORMATION GROUP®

Source Protection Zones

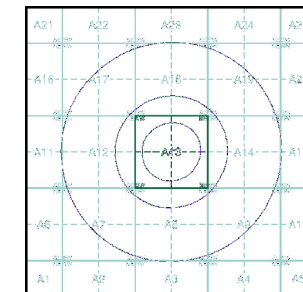
General

- 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

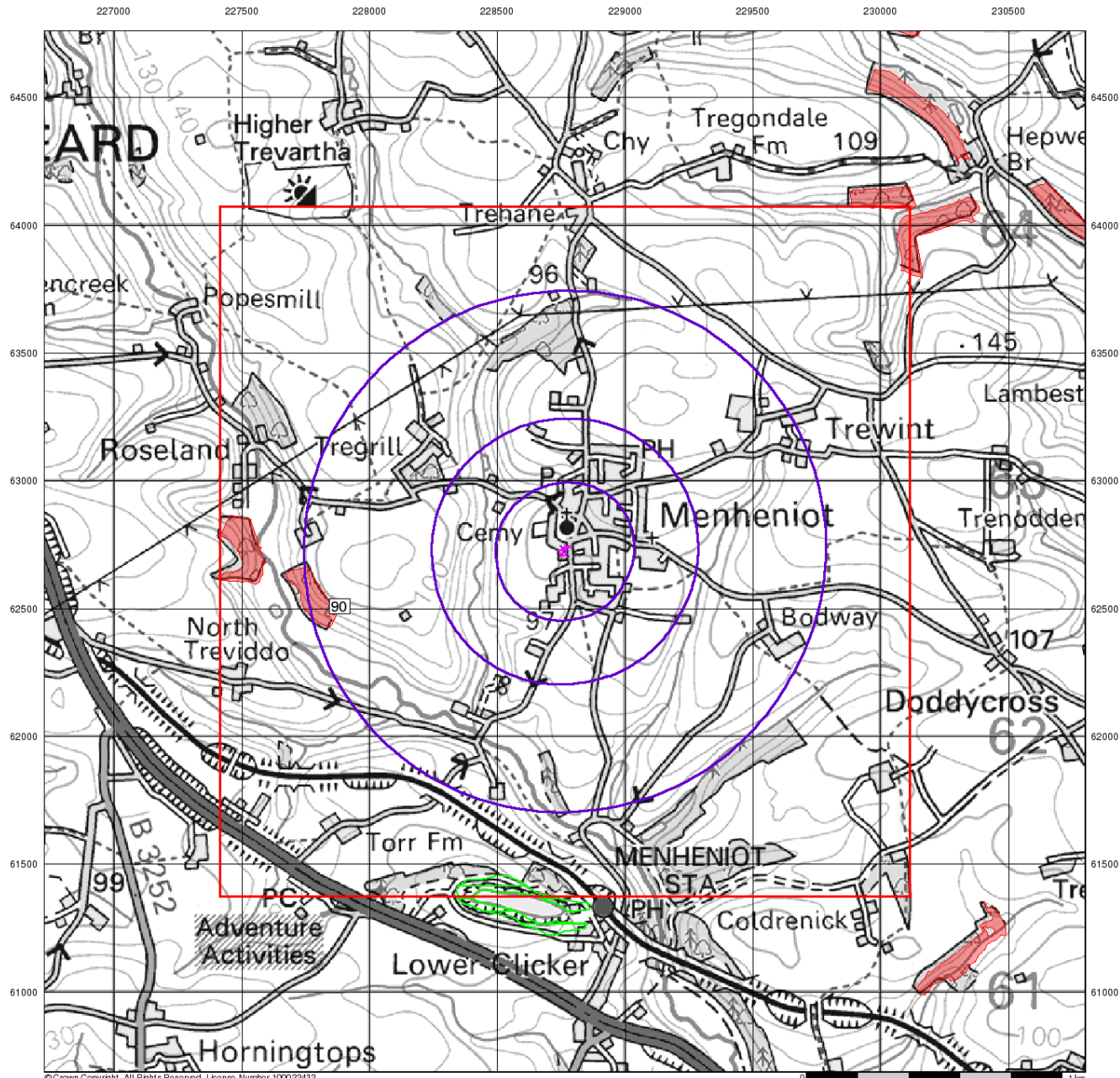
Order Number: 344171955_1_1
 Customer Ref: SS6011.1
 National Grid Reference: 228760, 62720
 Slice: A
 Site Area (Ha): 0.08
 Search Buffer (m): 1000

Site Details

Site at 228764,62724

Landmark®
 INFORMATION GROUP

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



© Crown Copyright. All Rights Reserved. License Number 100022432.

Envirocheck®

LANDMARK INFORMATION GROUP®

Sensitive Land Uses

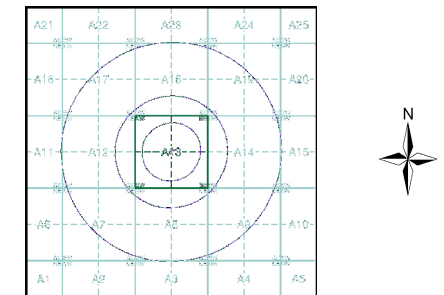
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A



Order Details

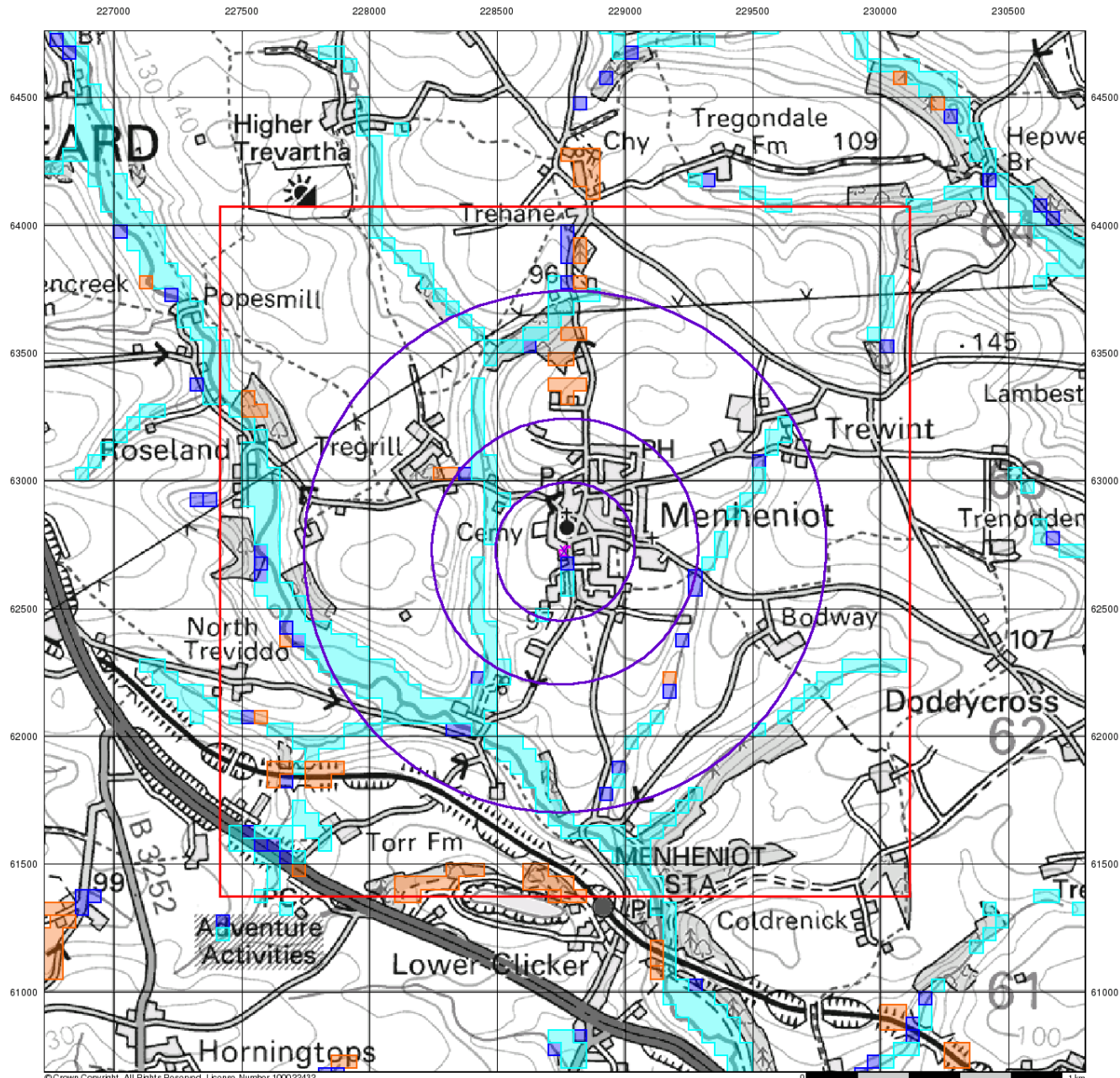
Order Number: 344171955_1_1
 Customer Ref: SS6011.1
 National Grid Reference: 228760, 62720
 Slice: A
 Site Area (Ha): 0.08
 Search Buffer (m): 1000

Site Details

Site at 228764,62724

Landmark®
 INFORMATION GROUP

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



© Crown Copyright. All Rights Reserved. License Number 100022432

Envirocheck[®]

LANDMARK INFORMATION GROUP[®]

BGS Flood GFS Data

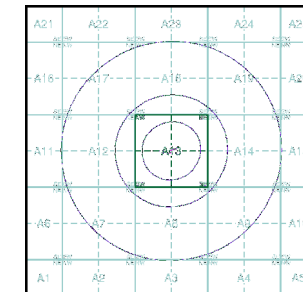
General

- 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: 344171955_1_1
 Customer Ref: SS6011.1
 National Grid Reference: 228760, 62720
 Slice: A
 Site Area (Ha): 0.08
 Search Buffer (m): 1000



Site Details

Site at 228764,62724






Landmark[®]
 INFORMATION GROUP

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

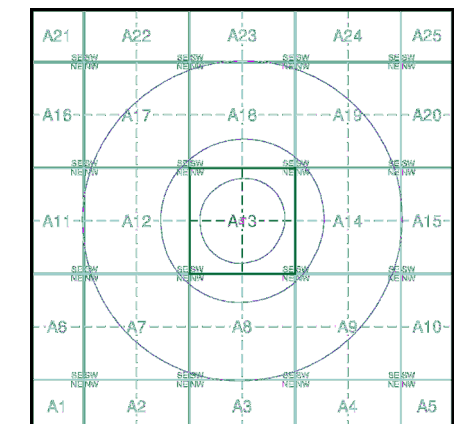
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A

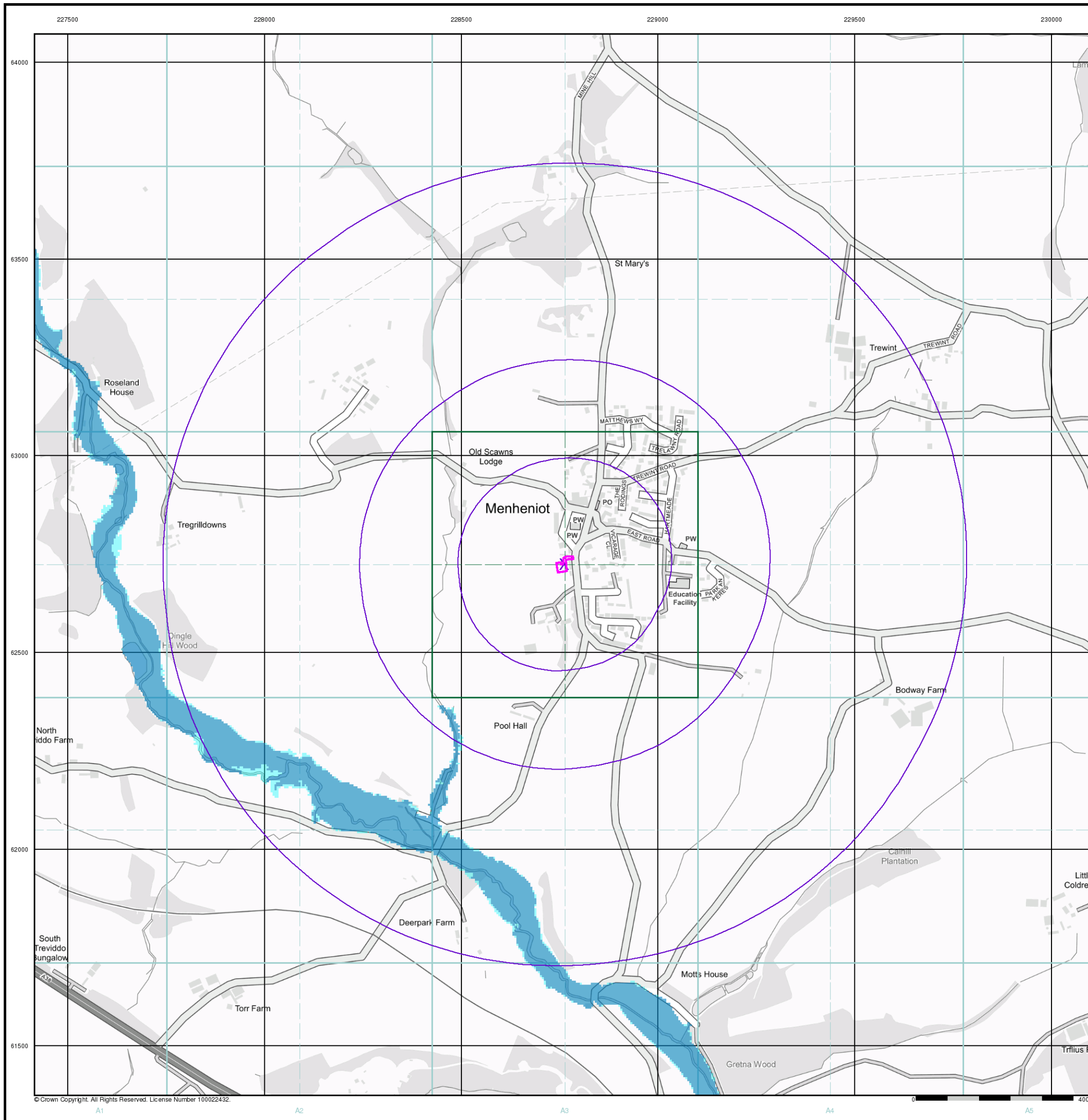


Order Details

Order Number: 344171955_1_1
 Customer Ref: SS6011.1
 National Grid Reference: 228760, 62720
 Slice: A
 Site Area (Ha): 0.08
 Search Buffer (m): 1000

Site Details

Site at 228764,62724



© Crown Copyright. All Rights Reserved. License Number 100022432.

General

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

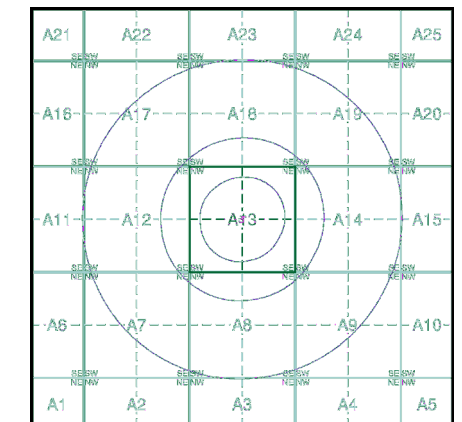
Agency and Hydrological (Boreholes)

- 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

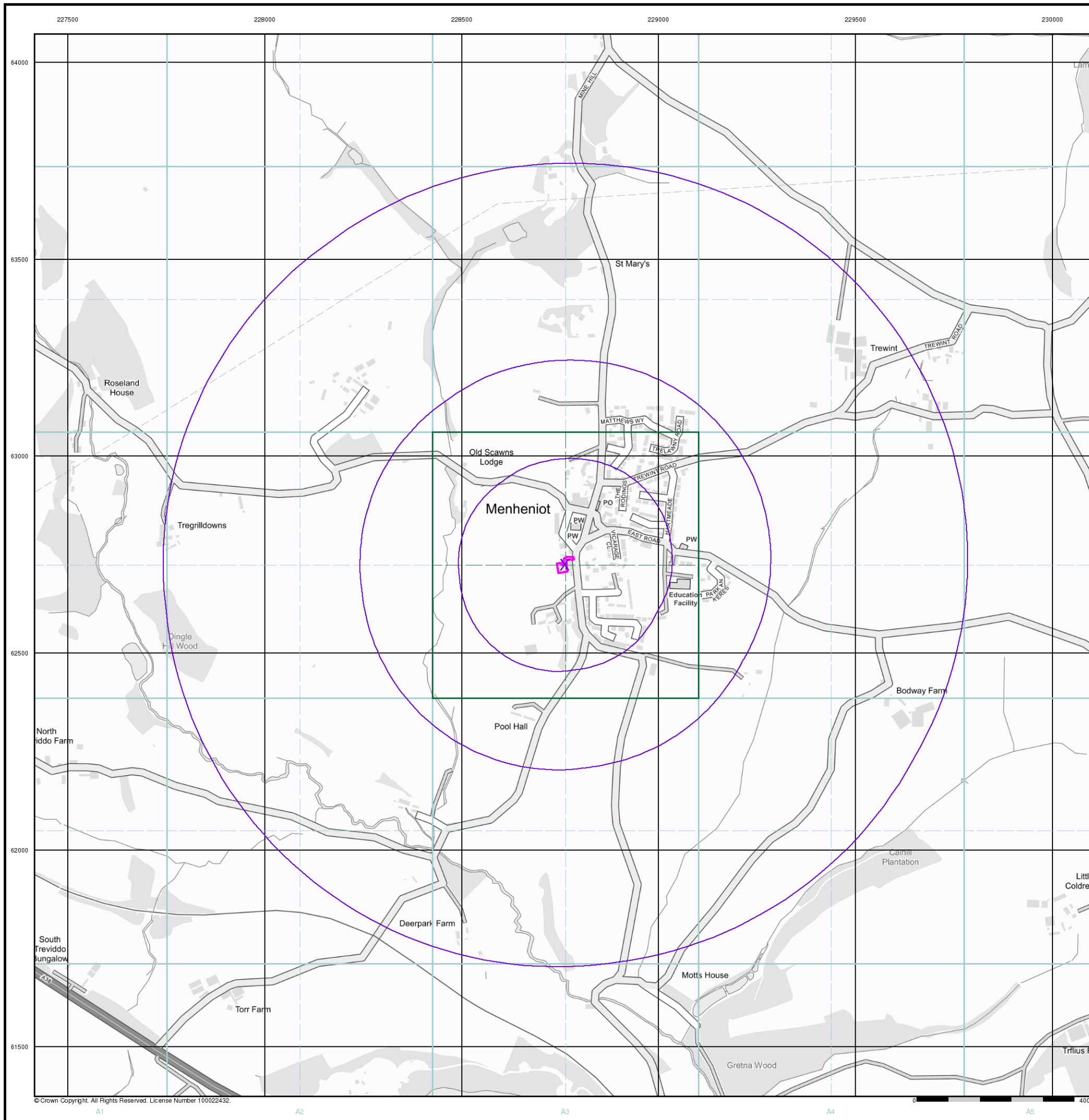


Order Details

Order Number: 344171955_1_1
 Customer Ref: SS6011.1
 National Grid Reference: 228760, 62720
 Slice: A
 Site Area (Ha): 0.08
 Search Buffer (m): 1000

Site Details

Site at 228764,62724



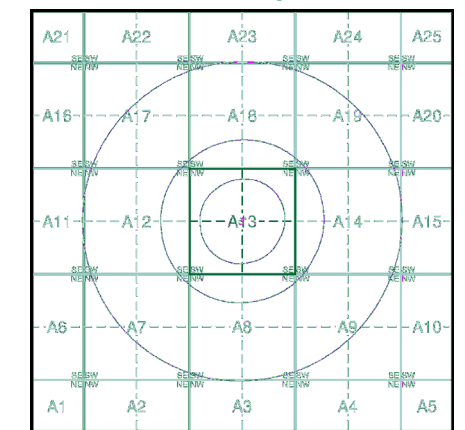
General

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

OS Water Network Data

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

OS Water Network Map - Slice A

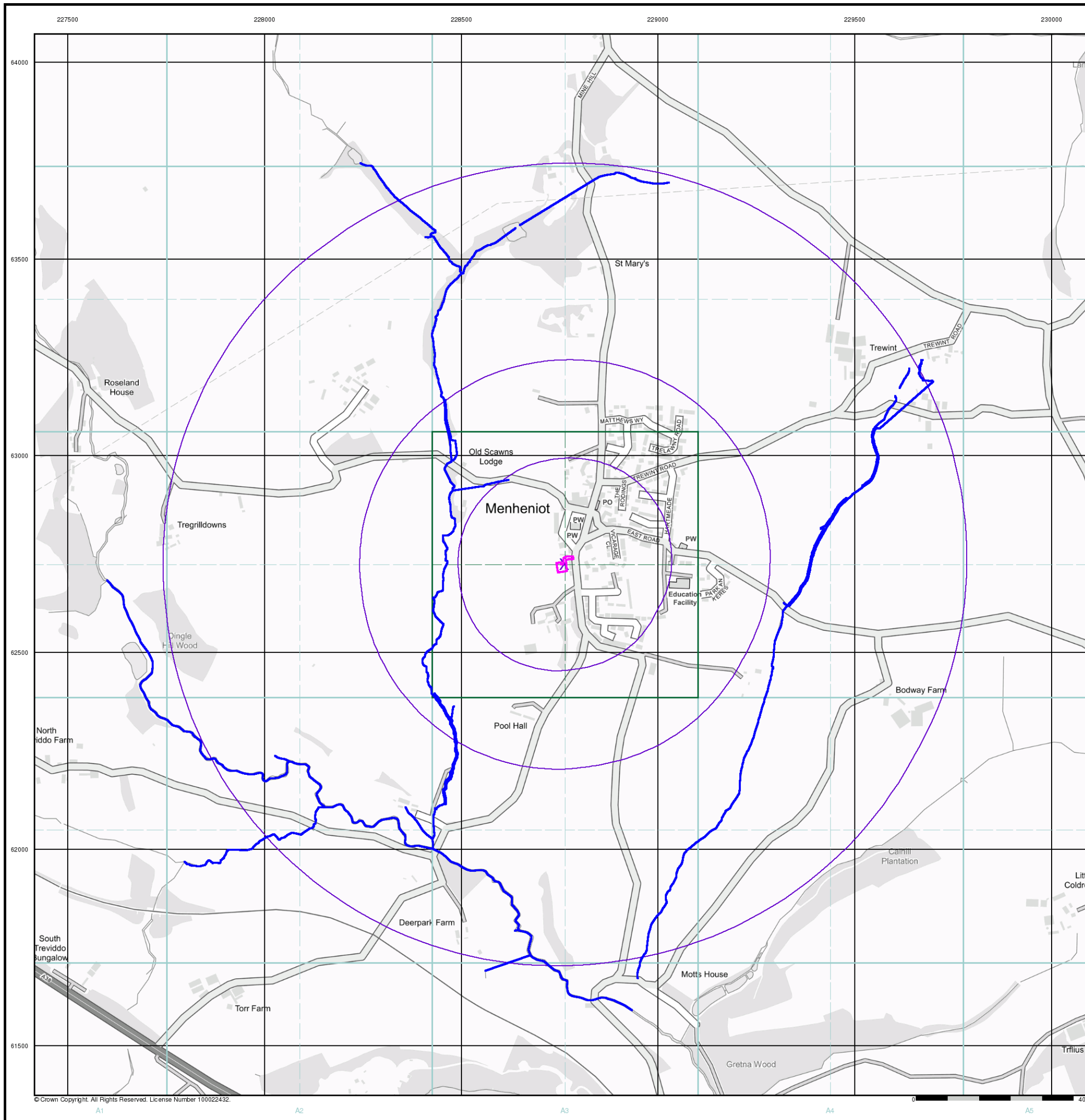


Order Details

Order Number: 344171955_1_1
 Customer Ref: SS6011.1
 National Grid Reference: 228760, 62720
 Slice: A
 Site Area (Ha): 0.08
 Search Buffer (m): 1000

Site Details

Site at 228764,62724



© Crown Copyright. All Rights Reserved. License Number 100022432.

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:



Envirocheck reports are compiled from 136 different sources of data.

Client Details

Mr M Sharpe, Cornwall Consultants Ltd, 3 East Pool, Tolvaddon Business Park, Camborne, Cornwall, TR14 0HX

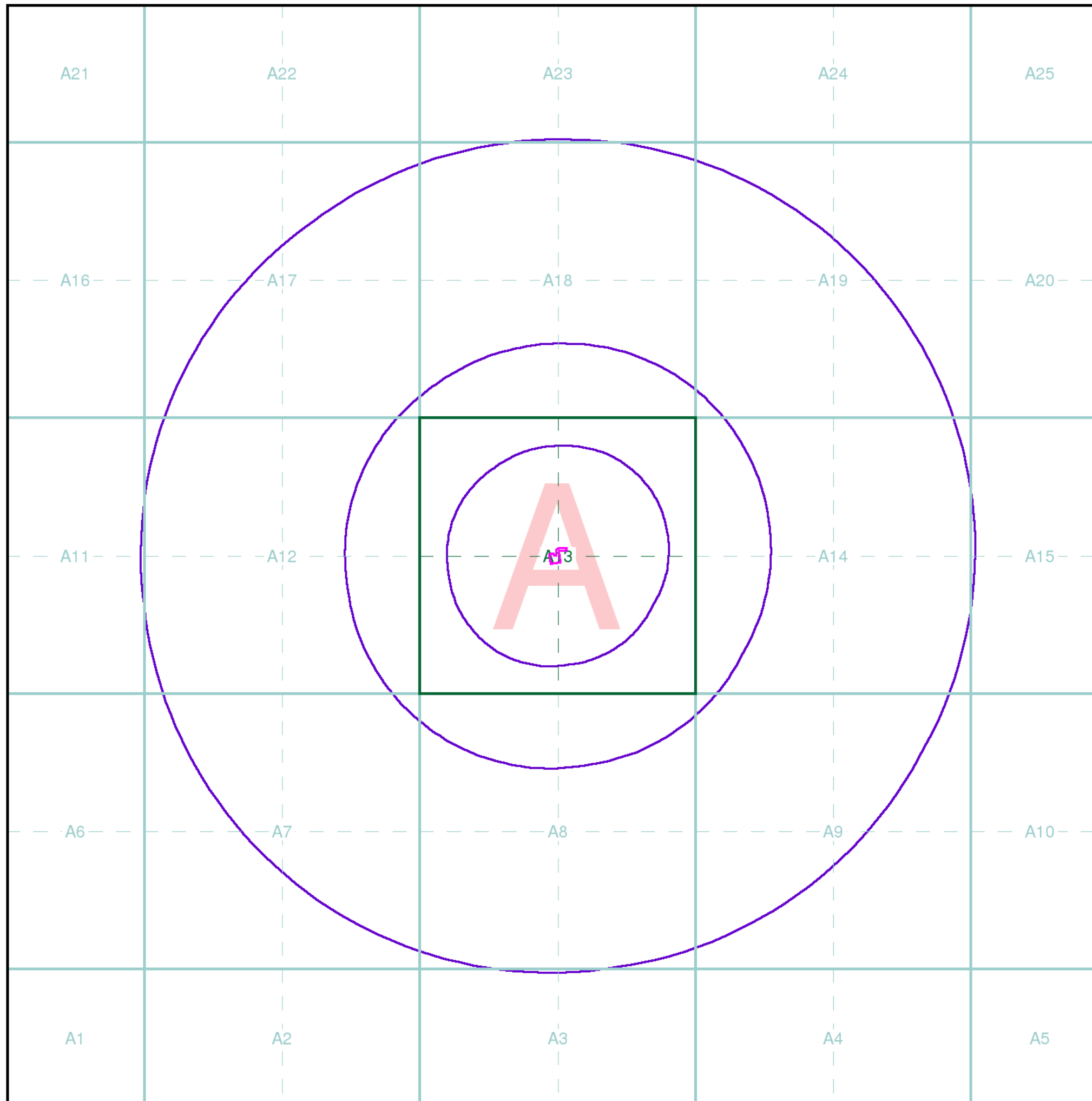
Order Details

Order Number: 344171955_1_1
Customer Ref: SS6011.1
National Grid Reference: 228760, 62720
Site Area (Ha): 0.08
Search Buffer (m): 1000

Site Details

Site at 228764,62724

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



APPENDIX F: Risk Categorisation

[NHBC - Guidance for the Safe Development of Housing on Land Affected by Contamination \(2008\) Chapter 1.7](#)

Risk assessment is the process of collating known information on a hazard or set of hazards in order to estimate actual or potential risks to receptors. The guiding principle behind this approach is an attempt to establish connecting links between a hazardous source, via an exposure pathway to a potential receptor, referred to as a 'pollutant linkage'. The objective of a Preliminary Risk Assessment is to identify the nature and magnitude of the potential risks. This involves consideration of:

- each potential pollutant linkage (contaminant source – pathway – receptor);
- current status of the site, construction activity, proposed new use etc.;
- short-term (acute) and long-term (chronic) risks; and
- uncertainty (does enough data exist to provide confidence in the assessment?).

This approach is in accordance with the Statutory Guidance on Contaminated Land (Defra 2006a, WAG 2006a and Scottish Executive 2006a) and the Model Procedures (Defra/Environment Agency 2004a).

Risk is based on a consideration of both:

- **the likelihood of an event** (probability) [takes into account both the presence of the hazard and receptor and the integrity of the pathway];
- and **the severity of the potential consequence** [takes into account both the potential severity of the hazard and the sensitivity of the receptor].

A pollutant linkage must first be established before tests for probability and consequence are applied. If there is no pollutant linkage then there is no potential risk.

There is a need for a logical, transparent and repeatable system in defining the categories of severity of consequence and likelihood as well as for the risk itself.

Severity (consequence) can be defined as the adverse effects (or harm) arising from a defined hazard, which impairs the quality of human health or the environment in the short or longer term. For example a consequence defined as "Severe" could be defined as "Highly elevated concentrations likely to result in 'significant harm' to human health as defined by the EPA 1990, Part 2A, if exposure occurs". The type and form of the contaminant needs to be known in order to understand the effect on humans and therefore severity of potential harm. For instance different forms of cyanide behave differently. Complex cyanide ("blue billy") is relatively "non toxic" whereas free cyanide is "highly toxic" (Environment Agency 2002b).

Probability can be defined as the chance of a particular event occurring in a given period of time. For example, a "High Likelihood" could be defined as "where an event would appear very likely in the short-term and almost inevitable over the long-term, or there is evidence at the receptor of harm or pollution".

Risk classification

Once the consequence and probability have been classified for a pollutant linkage they can be compared to produce a risk category from "very high risk" to "very low risk". It is not possible to identify a risk rating of "no risk" as the acceptability of risk may depend on the viewpoint of the stakeholder concerned. It may be necessary to deal with a risk even if it is "very low" although this action may not be urgent. The following classification of risk has been developed to assist in qualitative assessment of potentially unacceptable risks:

RISK CATEGORISATION					
PROBABILITY (LIKELIHOOD)		CONSEQUENCE			
		Severe	Medium	Mild	Minor
	High Likelihood	Very High Risk	High Risk	Moderate Risk	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	

DESCRIPTION OF RISK	
Very High Risk	There is a high probability that severe harm could arise to a designated receptor from an identified hazard at the site without appropriate remediation action.
High Risk	Harm is likely to arise to a designated receptor from an identified hazard at the site without appropriate remediation action.
Moderate Risk	It is possible that without appropriate remediation action harm could arise to a designated receptor. It is relatively unlikely that any such harm would be severe, and if any harm were to occur it is more likely that such harm would be relatively mild.
Low Risk	It is possible that harm could arise to a designated receptor from an identified hazard. It is likely that, at worst if any harm was realised any effects would be mild.
Very Low Risk	The presence of an identified hazard does not give rise to the potential to cause harm to a designated receptor.