

Land Contamination Report

PHASE 1 DESK STUDY



PHASE I – LAND CONTAMINATION DESK STUDY

Site: Land West of Prue on the Hill, Trenance Road, St Austell, Cornwall, PL25 5AP

NGR: 200311, 53195

Client: Elliot Higginson

Planning Ref: PA24/00261




Date: 04 March 2024

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

Our Ref: AB/SS/6047.DS



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EXECUTIVE SUMMARY

Cornwall Mining Consultants has been commissioned by Elliot Higginson (the client) to undertake a Phase I Land Contamination Risk Assessment (Desk Study) at Land West of Prue on the Hill, Trenance Road, St Austell, Cornwall, PL25 5AP (the 'site' or 'property').

The client proposes to develop the site with a single residential dwelling and associated infrastructure.

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

A site walkover was carried out on Wednesday 28th February 2024 to confirm the current use of the site, check for visible signs of contamination and provide context for potential pollutant linkages.

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 **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.

No further investigation, (i.e. a Phase II Investigation) however, full radon protection is likely to be required within the proposed dwelling.

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.

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1.0 INTRODUCTION

1.1 Rationale

Cornwall Mining Consultants has been commissioned by Elliot Higginson (the client) to undertake a Phase I Land Contamination Risk Assessment (Desk Study) at Land West of Prue on the Hill, Trenance Road, St Austell, Cornwall, PL25 5AP (the 'site' or 'property').

This Phase I assessment has been requested by the client to accompany a 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 Land West of Prue on the Hill, located in the hamlet of Trenance. The site covers an area of approximately 0.047 hectares (474m²) and lies at national grid reference (NGR) 200311, 53195.

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

1.4 Development Proposals

The client proposes to develop the site with a single residential dwelling 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 has been informed by the client that no previous Phase I or II assessment reports have been produced for the site.

2.0 SITE WALKOVER

2.1 Site Observations

A site walkover was carried out on Wednesday 28th February 2024 to confirm the current use of the site, check for visible signs of contamination and provide context for potential pollutant linkages.

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

The site currently comprises of an open agricultural piece of land and covers an approximate area of 0.047 hectares.

Access was gained to the site from Trenance Road leading through the southeast corner of the site onto a grassed level area.

The site is located west of Prue on the Hill and is surrounded by residential dwellings to the east and southeast, agricultural fields to the west and northwest, woodland to the north and Trenance Road to the south. The majority of the site is covered in rough grass and low lying vegetation. Various shrubs, saplings and mature trees were noted along the western, northern and eastern boundaries of the site. The site is terraced with the western and northern boundary elevated above the remainder of the site. The entrance and central area of the site is generally on a level area.

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No buildings were present on the site at the time of the site visit. An 'incinerator bin' was present along the southern boundary. This was inspected and revealed to mainly contain vegetation or paper. Most of the burned material was contained within, no excess material was present outside or surrounding. Within the southwest corner of the site a small number of granite blocks were present.

A possible leat or former water course runs along the eastern boundary of the site where upon a possible drainage gully/structure is present in the southeast corner of the site. At the time of the inspection no water was observed to be flowing and it was densely vegetated. No discernible odours or obvious signs of contamination were noted across the site.

2.2 Topography

The site is situated on a terraced area where upon the southern and middle are generally level. The terraces can be described as moderately sloped. The western and northern boundaries of the site are situated at the highest elevation whilst the site entrance in the southeastern corner are the at the lowest elevation.

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>
Residence	Adjacent	E
Road (B54000)	Adjacent	S
Agricultural fields	Adjacent	W & N

3.0 HISTORICAL AND CURRENT LAND USE

3.1 Recorded Historic Mining Activity

A Mining Search (ref. MK/CMS/140450) was undertaken by Cornwall Mining Consultants in February 2024 and is included in Appendix C. The site is situated away from the principal metalliferous mining areas, but within an area where sporadic mining activity has taken place. Mining features have been identified within close proximity of 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.

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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 in an area of assumed woodland that extends east and north.	Fields are shown to the northeast, northwest and west of the site. A road bounds the southern boundary of the site and extends in a southwest orientation. A number of buildings are shown approximately 18 metres southwest and 135 metres northeast of the site. Areas of rough ground are shown approximately 135 metres west, 60 metres southeast and 35 metres east of the site. An area of mine waste/China clay is also shown 90 metres southeast of the site.
1908	The site has been split into new field boundaries. The site is still woodland.	Buildings assumed dwellings are shown approximately 10, 35 and 55 metres to the east and southeast. Carrancarrow China Clay Works is annotated to lie approximately 35 to 60 metres to the southeast of the site. Assumed buildings and settling tanks are shown to the southeast. Further mine waste or China clay waste is shown to lie approximately 105 metres east-northeast of the site.
1978	The site is within a larger field that extends further west.	The Carrancarrow China Clay Works is annotated as 'disused', but numerous buildings and assumed settling tanks are still shown. An 'adit' is shown to lie approximately 140 metres to the north east of the site.

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:		
166	SW	Nationwide Security Blinds – 74 Turnavean Road, St Austell, Cornwall, PL25 5NX – Blinds, Awnings & Canpies - 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. The bedrock beneath the site is the St Austell Intrusion comprising granite. 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 44mg/kg are inferred in the vicinity of the site.

4.3 Radon

The Landmark Report records the following findings

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Table 4: Radon (Landmark) Data

Public Health England		
Distance (m)	Hazard	Details
On site	Radon	Greater than 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	Greater than 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.

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
Discharge Consents:		
152	E	Mr R Gay – Domestic Property – Stables Barn, Trenanace Hill, St Austell, Cornwall – Discharge Type: Sewage Discharges - Final/treated – Not Water Company – Discharge: Land/Soakaway – Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995).
152	E	Mr B A A'Lee – Domestic Property – Stables Barn, Trenanace Hill, St Austell, Cornwall – Discharge Type: Sewage Discharges - Final/treated – Not Water Company – Discharge: Land/Soakaway – Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995).
Nearest Surface Water Feature:		
102	E	Not specified within Landmark Report.
Pollution Incidents to Controlled Waters:		
185	S	Pollutant: Construction Materials – Note: Poor Operation Practise – Incident Date: 24 th January 1992 – Incident Reference: 62003136 – Receiving Waster: Freshwater Stream/River – Cause of incident: Inadequate Design/Capacity – Incident Severity: Category 2 – Significant Incident.

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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 high leaching potential.

The site is not within a Groundwater Source Protection Zone.

The nearest recorded groundwater abstraction license is 118 metres northeast of the site for use within Trenance Farm House for agricultural (general) uses.

5.2 Hydrology

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

The nearest recorded surface water abstraction license is 889 metres southeast of the site for use within Household Appliance Centra Ltd for other industrial/commercial/public services – process water.

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 - radon and metallic elements including arsenic.
- On site incinerator bin – metallic elements

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- Off site former railway land - various contaminants including hydrocarbons, metallic elements and ground gasses.
- Off site China Clay works – various including hydrocarbons, metallic elements and ground gasses.

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

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

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.

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Table 7: Pollutant Linkage Assessment

Potential Hazard		Comments	Pollutant Linkage?
Sources	Contaminants of Concern		
On site: Natural Geology	Radon gas	Area where the radon action level may be exceeded, and harmful radon concentrations can accumulate in buildings	Yes
	Metallic elements, including arsenic	No recorded metalliferous mineralisation beneath site the nearest recorded/suspected metalliferous mining related feature is approximately located 75 metres south-southeast of the site. The 'Tellus' South West project infers an arsenic concentration of 41mg/kg and a lead concentration of 44mg/kg across the site. No source.	No
On site: Incinerator bin	Metallic elements	A small incinerator 'bin' was located in the southern boundary of the site. It was inspected during the site visit and appeared to contain vegetation and paper fragments, no materials were situated outside of the incinerator. Likely used by the client for domestic uses. No source.	No
Off site: Potentially infilled railway line and possible embankment.	Various including: Hydrocarbons Metallic elements and Ground Gasses (methane and carbon dioxide)	The railway line and embankment appears on the 1880 OS through to the modern OS map. The nature of the embankment and railway line is unknown, likely to have been cut and infilled. Materials used for the construction of the embankment are unknown. Potential for contaminants from unknown material / made ground, burning of coal and leaks from lubricating oils etc. Due to the distance from site and local topography any contaminants are unlikely to migrate to site. No pathway. Due to the age of the embankment pre 1908 any ground gasses that are present are unlikely to still be present. No source. Due to distance and local topography ground gasses unlikely to migrate to site. No pathway.	No
Off site: China Clay Works	Various including Hydrocarbons Metallic Elements and Ground Gasses (methane and carbon dioxide)	Former Carrancarow China Clay Works are located approximately between 35 to 100 metres south/southeast of the site. The old Ordnance Survey map 1908 puts the nearest tank approximately 50 metres southeast and settling tank approximately 65 metres southeast from the site. The modern OS maps and satellite show these former tanks overgrown with vegetation, with the 1970/1980s OS map showing the works as 'disused'. At the time of the site visit a brief inspection from the road to the north, confirmed that the site is extensively overgrown with vegetation. Due to the local topography with the down gradient to the south any contaminants that	No

Potential Hazard		Comments	Pollutant Linkage?
Sources	Contaminants of Concern		
		might be present are unlikely to migrate to site. No pathway. Due to the time since possible infilling occurred, the distance of the proposed development and the likely inert China Clay waste, ground gasses are considered unlikely. No source.	

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

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

7.0 CONCLUSIONS AND RECOMMENDATIONS

In summary, the desk study and preliminary risk assessment have identified the following potential High risk 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.

No further investigation, (i.e. a Phase II Investigation) however, full radon protection is likely to be required within the proposed dwelling.

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.

Construction workers: Construction workers have not been considered as part of this assessment. Occupational exposure to soil contaminants should be included in construction health and safety risk assessment and method statements.

Waste: Any soil to be disposed off site may require chemical analysis prior to disposal. The proposed waste disposal facility should be contacted to confirm their requirements.

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.

If any potential signs of contamination are identified during the construction phase further work will be required to re-assess the risk.

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**

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Senior Geologist

Mr M Sharpe, BSc (Hons) MSc MCSM
Geologist

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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.

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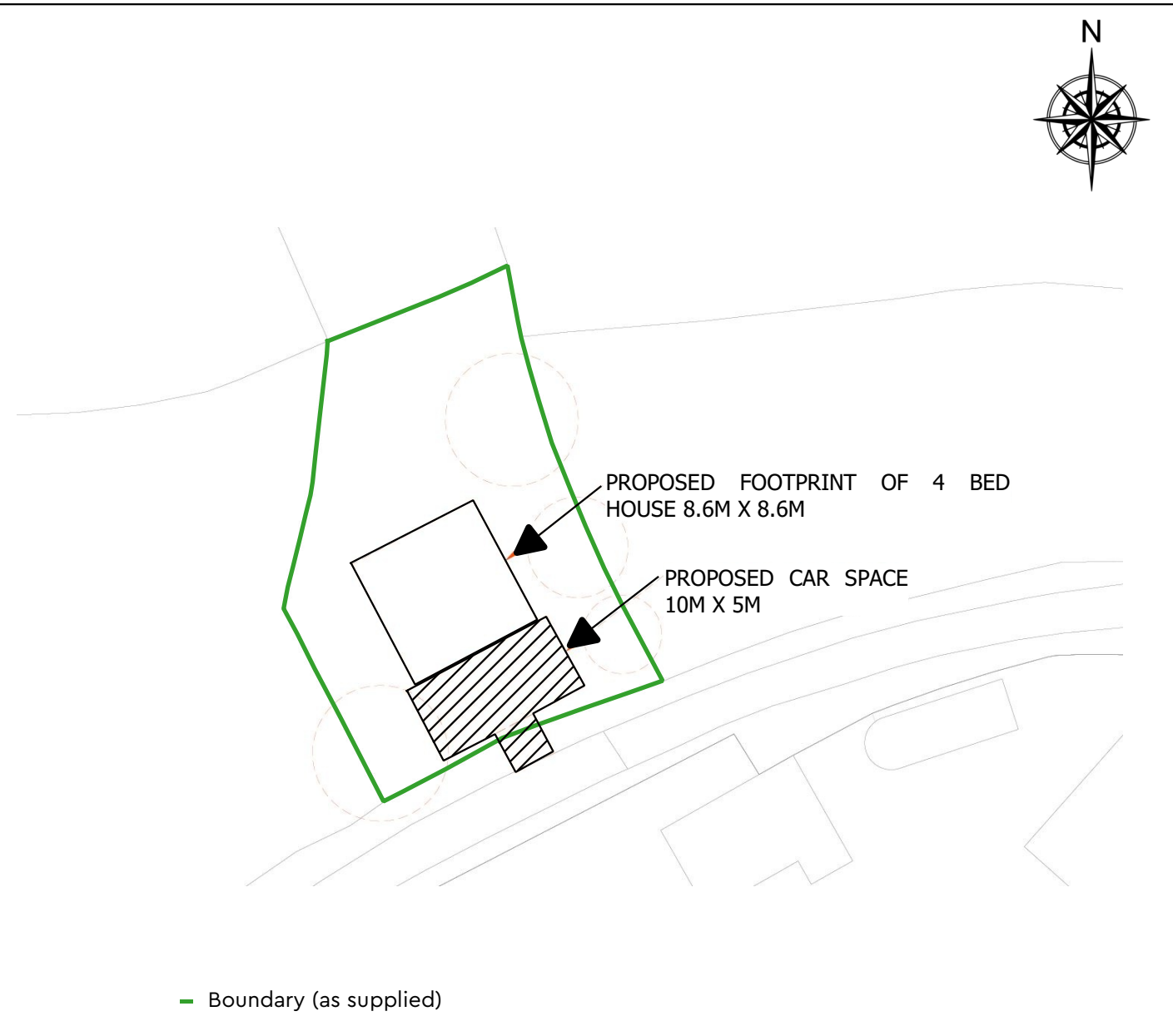
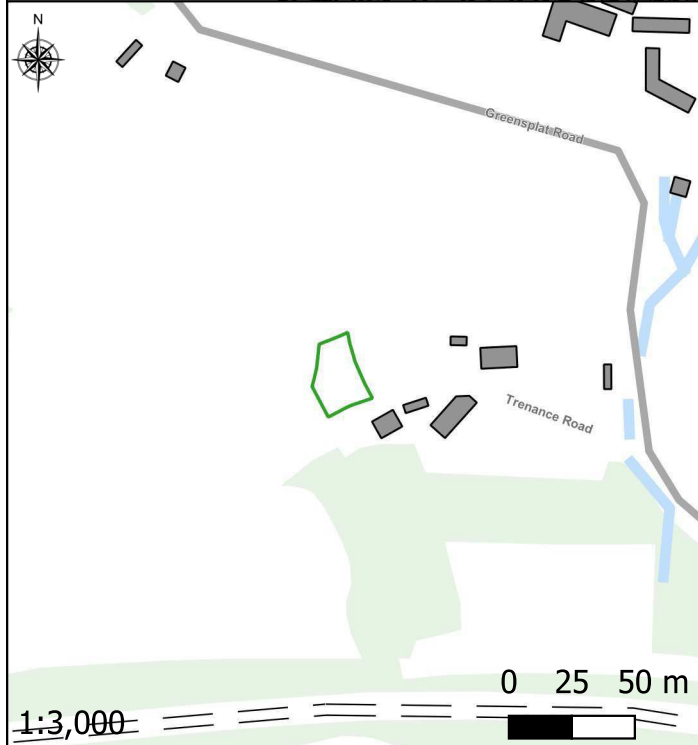
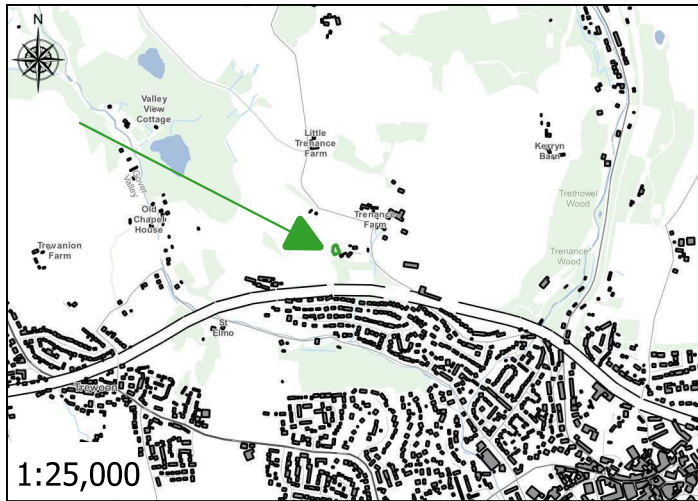
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APPENDIX A: Site Location & Proposed Development Plan



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PHASE 1 – Land Contamination Desk Study
 Land West of Prue on the Hill, Trenance Road, St Austell, Cornwall, PL25 5AP

Reference: SS/6047
 Date: 04/03/2024
 Scale: Not to Scale

Proposed Development, Location and Site Plan
 Drawn By: AB

APPENDIX B: Site Walkover Photos



Photograph 1 – View from the southern lane/road towards the site entrance gate.



Photograph 2 – View from the southeast corner of the site looking north along the eastern boundary of the site.



Photograph 3 – View from the southeast corner of the site looking northwest across the site.



Photograph 4 – View of the southeast corner of the site (entranceway).



Photograph 5 – A homemade 'incinerator' is present on the site within the southeast corner.



Photograph 6 – View from the southwest corner of the site looking east.



Photograph 7 – View from the southwest corner of the site looking north/northeast.



Photograph 8 – View from the northwest corner of the site looking south.



Photograph 9 – View from the northeast corner of the site looking south across the site.



Photograph 10 – Photo of a leat or structure related to a water course. This was located in the southeast corner of the site. Please note extensive vegetation cover in this area limited the visual inspection.

APPENDIX C: Mining Search

Regulated Mining Search METALLIFEROUS MINERALS



PROPERTY ADDRESS:

Land West Of, Prue On The Hill, Trenance Road, St Austell PL25 5AP

NATIONAL GRID REFERENCE:

200312, 53196

CLIENT:

Elliot Higginson

CLIENT REFERENCE:

AB/PL255AP

REPORT REFERENCE:

MK/CMS/140450

DATE:

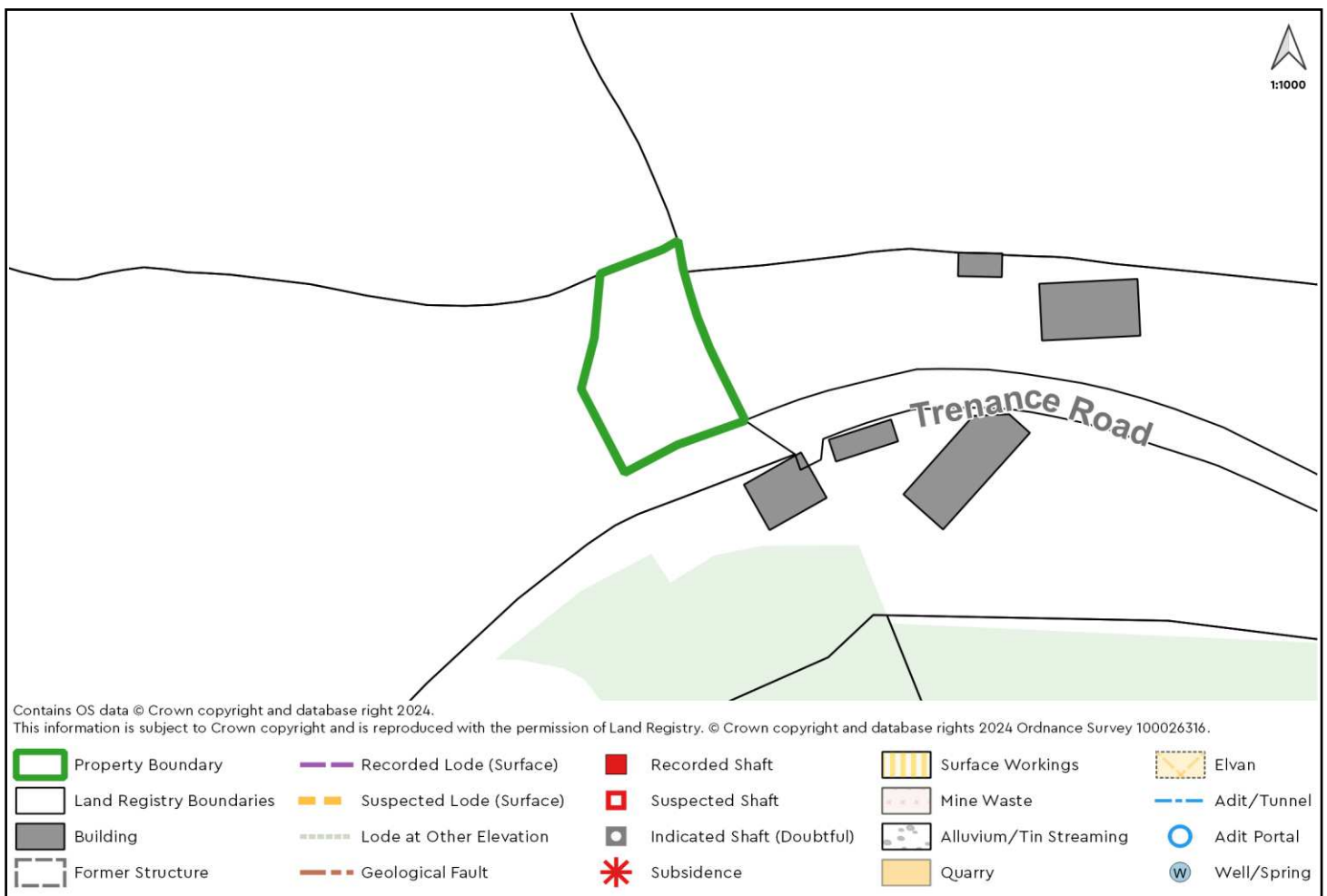
29 February 2024

Result: Low
PASSED

Next steps:

**ADVISORY FOR
DEVELOPMENT**

[FIND OUT MORE](#)



OPINION

We believe that the property is unlikely to be affected by subsidence related to historic metalliferous mining. No further direct action is required at this time; however, it is conceivable that unrecorded trial workings might exist that could impact future development. A mining consultant should inspect any adverse ground conditions encountered at that time.



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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 our 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 and location of unrecorded mine workings and related subsidence hazards.

THE FINDINGS

The property is situated away from the principal historic metalliferous mining areas, but within an area where sporadic mining activity has taken place.

There are no recorded/suspected metalliferous mining related hazards or mineralised deposits within 25 metres of the property boundary.

The nearest recorded/suspected metalliferous mining related feature is a mineral lode (deposit), which lies 75 metres south-southeast. This feature is recorded on an old Geological Survey map.

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.

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:

Result: Low **PASSED**

We believe that the property is unlikely to be affected by subsidence related to historic metalliferous mining.

THE NEXT STEPS

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

Next steps: **ADVISORY FOR DEVELOPMENT**

[FIND OUT MORE](#)

No further direct action is required at this time; however, it is conceivable that unrecorded trial workings might exist that could impact future development. A mining consultant should inspect any adverse ground conditions encountered at that time.

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.

IMPORTANT CONSUMER PROTECTION 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. The PCCB independently monitors how registered search firms maintain compliance with the Code. This search has been completed in accordance with our Terms and Conditions of business that can be viewed [here](#).

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

Acceptable for conveyance and typically acceptable to mortgage lenders.

ACTION REQUIRED

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

ACTION REQUIRED

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

ABOUT THE SEARCH CODE AND COMPLAINTS

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 cornwallconsultants.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 wish 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@cornwallminingconsultants.co.uk | T: 01209 313511

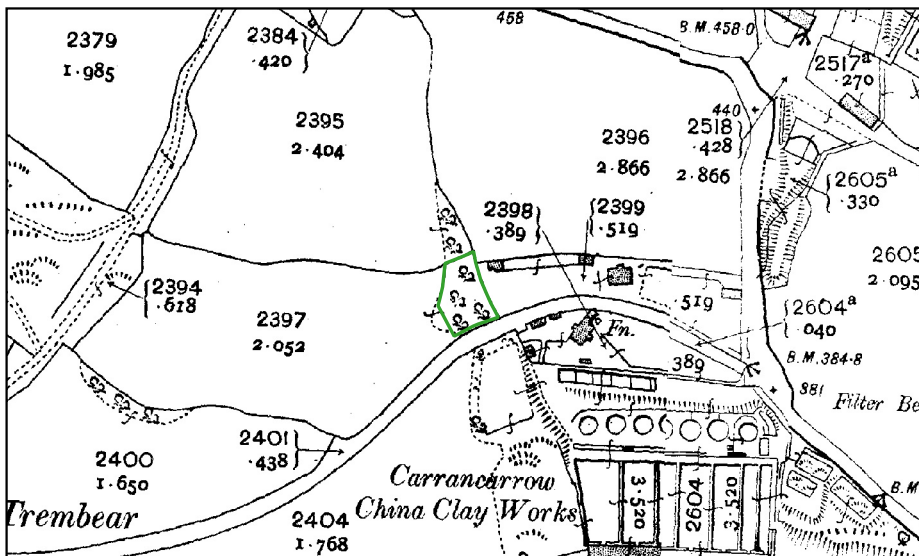
You can also view our [complaints procedure here](#).

APPENDIX D: Historical Ordnance Survey Maps

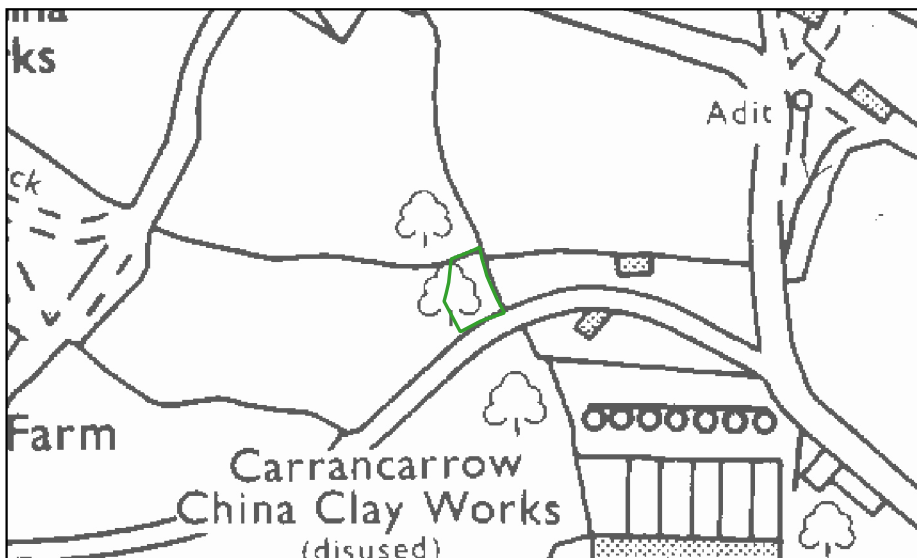
Ordnance Survey map dated 1880



Ordnance Survey map dated 1908



Ordnance Survey map dated 1978



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**CORNWALL
MINING
CONSULTANTS**

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PHASE I – Land Contamination Desk Study

Land West of Prue on the Hill, Trenance Road, St Austell, Cornwall, PL25 5AP

Reference: SS/6047

Date: 28/02/2024

Scale: 1:3,000

APPENDIX E: Environmental Report

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

336684906_1_1

Customer Reference:

SS6047

National Grid Reference:

200310, 53200

Slice:

A

Site Area (Ha):

0.05

Search Buffer (m):

1000

Site Details:

Site at 200313,53197

Client Details:

Mr M Sharpe

Cornwall Consultants Ltd

3 East Pool

Tolvaddon Business Park

Camborne

Cornwall

TR14 0HX

Prepared For:

Elliot Higginson

Graham Broad

Land West of Prue on the Hill

Cornwall

PL25 5AP

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Summary	-
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Waste	33
Hazardous Substances	-
Geological	34
Industrial Land Use	38
Sensitive Land Use	-
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Introduction

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

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Report Version v53.0

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		2	5	9
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 5				1
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 5		Yes		
Pollution Incidents to Controlled Waters	pg 6		1	1	13
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 8			2	2
River Quality Biology Sampling Points	pg 9				2
Substantiated Pollution Incident Register	pg 9				1
River Quality Chemistry Sampling Points					
Water Abstractions	pg 9		2	1	7 (*34)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 20	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 20	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			n/a	n/a	n/a
Source Protection Zones	pg 21				2
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 21		11	19	70

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					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 33	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
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 34	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 34			3	10
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability	pg 36	Yes	n/a	n/a	n/a
Man-Made Mining Cavities	pg 36				1
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 36	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 36	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 36		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 36		Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 37		Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 37		Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 37	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures	pg 37	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 38		1	1	21
Fuel Station Entries	pg 40				1
Gas Pipelines					
Underground Electrical Cables					
Sensitive Land Use					
Ancient Woodland					
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 to Occur at Surface	A13SE (S)	185	1	200350 53000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (S)	280	1	200312 52900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	289	1	200050 53050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	333	1	200000 53050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (SW)	357	1	200000 53000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	360	1	200450 52850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	379	1	199950 53050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (SE)	381	1	200500 52850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (SE)	448	1	200550 52800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	453	1	199850 53150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (SW)	468	1	199900 52950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (SE)	476	1	200600 52800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (SW)	491	1	199850 53000
1	Discharge Consents Operator: Mr R Gay Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Stables Barn, Trenance Hill, St Austell, Cornwall Authority: Environment Agency, South West Region Catchment Area: St. Austell, Cornwall Reference: Nra-Sw-6118 Permit Version: 1 Effective Date: 1st April 1994 Issued Date: 8th October 1993 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway 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 10m	A13NE (E)	152	2	200470 53230

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<p>Discharge Consents</p> <p>Operator: Mr B A A'Lee Property Type: Domestic Property (Single) Location: Stables Barn, Trenance Hill, St Austell, Cornwall Authority: Environment Agency, South West Region Catchment Area: St. Austell, Cornwall Reference: Nra-Sw-6118 Permit Version: 1 Effective Date: 1st April 1994 Issued Date: 8th October 1993 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Unknown Environment: Receiving Water: Not Supplied 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>	A13NE (E)	152	2	200470 53230
2	<p>Discharge Consents</p> <p>Operator: Ecc Construction Ltd Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Plot 1 Trembear Road Turnavean Road, Gover, St Austell, Cornwall Authority: Environment Agency, South West Region Catchment Area: St. Austell, Cornwall Reference: Nra-Sw-3533 Permit Version: 1 Effective Date: 14th February 1992 Issued Date: 14th February 1992 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>	A13SW (SW)	267	2	200120 52990
2	<p>Discharge Consents</p> <p>Operator: Ecc Construction Ltd Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Plot 2 Trembear Road Turnavean Road, Gover, St Austell, Cornwall Authority: Environment Agency, South West Region Catchment Area: St. Austell, Cornwall Reference: Nra-Sw-3534 Permit Version: 1 Effective Date: 14th February 1992 Issued Date: 14th February 1992 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>	A13SW (SW)	289	2	200090 52990
3	<p>Discharge Consents</p> <p>Operator: Ecc Construction Ltd Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Plot 3 Trembear Road Turnavean Park, Gover, St Austell, Cornwall Authority: Environment Agency, South West Region Catchment Area: St. Austell, Cornwall Reference: Nra-Sw-3535 Permit Version: 1 Effective Date: 14th February 1992 Issued Date: 14th February 1992 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>	A13SW (SW)	320	2	200050 52990

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	<p>Discharge Consents</p> <p>Operator: Ecc Construction Ltd Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: 4 Trembear Road Turnavean Park, Gover, St Austell, Cornwall Authority: Environment Agency, South West Region Catchment Area: St. Austell, Cornwall Reference: Nra-Sw-3536 Permit Version: 1 Effective Date: 14th February 1992 Issued Date: 14th February 1992 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>	A13SW (SW)	353	2	200010 52990
4	<p>Discharge Consents</p> <p>Operator: Mr A Bevitt Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: The Barn Little Gover Farm, Gover Road, St Austell, Cornwall, PL25 5ra Authority: Environment Agency, South West Region Catchment Area: St. Austell, Cornwall Reference: Nra-Sw-7646 Permit Version: 1 Effective Date: 20th November 1995 Issued Date: 20th November 1995 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>	A13SW (S)	345	2	200180 52860
5	<p>Discharge Consents</p> <p>Operator: South West Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Woodside St Austell Ps, St Austell, Cornwall Authority: Environment Agency, South West Region Catchment Area: St. Austell, Cornwall Reference: Nra-Sw-1701 Permit Version: 1 Effective Date: 30th October 1989 Issued Date: 30th October 1989 Revocation Date: 1st October 2000 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Gover Stream Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m</p>	A8NW (SW)	523	2	200100 52700
6	<p>Discharge Consents</p> <p>Operator: Northumberland & Durham Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: No 3 Gover Valley, St Austell, Cornwall Authority: Environment Agency, South West Region Catchment Area: St. Austell, Cornwall Reference: Nra-Sw-5120 Permit Version: 1 Effective Date: 30th October 1992 Issued Date: 30th October 1992 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>	A12SE (W)	552	2	199750 53170

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	<p>Discharge Consents</p> <p>Operator: Northumberland & Durham Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: No 1 Gover Valley, St Austell, Cornwall Authority: Environment Agency, South West Region Catchment Area: St. Austell, Cornwall Reference: Nra-Sw-5124 Permit Version: 1 Effective Date: 30th October 1992 Issued Date: 30th October 1992 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>	A12NE (W)	552	2	199750 53220
7	<p>Discharge Consents</p> <p>Operator: Camel Developments Ltd Property Type: Wooden Containers Location: Land Off Grove Road Tre, Nance , ST AUSTELL Authority: Environment Agency, South West Region Catchment Area: St. Austell, Cornwall Reference: NRA-SW-2822/1 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 23rd May 1991 Revocation Date: Not Supplied Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: St Austell River, Licence Status: Lapsed, Revoked Or Cancelled Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	638	2	200860 52840
8	<p>Discharge Consents</p> <p>Operator: Mrs M White Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Trevannion Mill Cottage (Dwelling Adjacent To), Gover Valley, St Austell, Cornwall Authority: Environment Agency, South West Region Catchment Area: St. Austell, Cornwall Reference: Nra-Sw-0353 Permit Version: 1 Effective Date: 24th January 1990 Issued Date: 24th January 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>	A12NE (W)	652	2	199660 53310
9	<p>Discharge Consents</p> <p>Operator: St Austell Brewery Co Limited Property Type: MAKING OF BEVERAGES/BREWERIES/SOFT DRINKS Location: Brewery At Trevarthian Road, St Austell, Cornwall, PL25 4by Authority: Environment Agency, South West Region Catchment Area: St. Austell, Cornwall Reference: 301364 Permit Version: 1 Effective Date: 11th August 2000 Issued Date: 22nd August 2000 Revocation Date: 31st May 2012 Discharge Type: Trade Discharge - Process Water Discharge: Freshwater Stream/River Environment: Receiving Water: St Austell River Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A14SE (E)	803	2	201120 53080

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	<p>Discharge Consents</p> <p>Operator: St Austell Brewery Co Ltd Property Type: MAKING OF BEVERAGES/BREWERIES/SOFT DRINKS Location: Brewery At Trevarthian Road, St Austell, Cornwall, PL25 4by Authority: Environment Agency, South West Region Catchment Area: St. Austell, Cornwall Reference: 034496/Tr/01 Permit Version: 1 Effective Date: 1st October 1996 Issued Date: 1st July 1996 Revocation Date: 11th August 2000 Discharge Type: Trade Discharges - Process Effluent - Water Company (Wtw) Discharge: Freshwater Stream/River Environment: Receiving Water: St Austell River Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m</p>	A14SE (E)	803	2	201120 53080
10	<p>Discharge Consents</p> <p>Operator: Messrs M John & W Evans Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Kerry Barn, Trethewel, St Austell, Cornwall, PL25 5rq Authority: Environment Agency, South West Region Catchment Area: St. Austell, Cornwall Reference: Nra-Sw-5713 Permit Version: 1 Effective Date: 9th June 1993 Issued Date: 9th June 1993 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>	A19SE (NE)	864	2	201110 53550
11	<p>Discharge Consents</p> <p>Operator: Mr A W Gilbert Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: The Lodge Lower Biscovillet, Trenance Road, St Austell, Cornwall Authority: Environment Agency, South West Region Catchment Area: St. Austell, Cornwall Reference: 301156 Permit Version: 1 Effective Date: 22nd September 1999 Issued Date: 29th October 1999 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>	A17NE (NW)	974	2	199650 53930
12	<p>Prosecutions Relating to Controlled Waters</p> <p>Location: Gover Stream, Gover Valley, St Austell, Cornwall Prosecution Text: Mechanical failure led to china clay entering a watercourse Prosecution Act: Wra91 S85(1) Hearing Date: 4th April 2005 Verdict: Guilty Fine: 1200 Cost: 887 Positional Accuracy: Manually positioned within the geographical locality</p>	A12NW (NW)	764	2	199598 53500
13	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Trewoon Garage Location: Cooperage Road, Trewoon, ST AUSTELL, Cornwall, PL25 Authority: Cornwall Council, Environmental Health Department Permit Reference: Not Given Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Manually positioned to the address or location</p>	A7NW (SW)	848	3	199575 52753
	<p>Nearest Surface Water Feature</p>	A13SE (E)	102	-	200426 53185

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Other Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Construction Materials Note: Poor Operational Practise Incident Date: 24th January 1992 Incident Reference: 62003436 Catchment Area: St. Austell, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Inadequate Design/Capacity Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m</p>	A13SE (S)	185	2	200350 53000
15	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Industrial: Other Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Oils - Diesel (Including Agricultural) Note: Poor Operational Practise Incident Date: 6th February 1995 Incident Reference: 62015293 Catchment Area: St. Austell, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Spillage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A13SW (SW)	356	2	200010 52985
16	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Landfill/Waste Disposal Site Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Rubble/Litter Or Solids Note: Not Supplied Incident Date: 16th March 1992 Incident Reference: 51001951 Catchment Area: St. Austell, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A12SE (W)	510	2	199800 53100
16	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Landfill/Waste Disposal Site Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Rubble/Litter Or Solids Note: Deliberate Act Incident Date: 16th March 1994 Incident Reference: 62015076 Catchment Area: St. Austell, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Deliberate Action Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A12SE (W)	559	2	199750 53100
17	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Landfill/Waste Disposal Site Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Rubble/Litter Or Solids Note: Not Supplied Incident Date: 13th April 1994 Incident Reference: 62015097 Catchment Area: St. Austell, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A12NE (W)	512	2	199800 53300
18	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Septic Tank Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Sewage - Treated Effluent Note: Not Supplied Incident Date: 22nd April 1992 Incident Reference: 62004405 Catchment Area: St. Austell, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Leachate Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A12NE (W)	555	2	199750 53250

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Unknown Note: Not Supplied Incident Date: 16th June 1994 Incident Reference: 62015408 Catchment Area: St. Austell, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NE (SE)	560	2	200600 52700
20	Pollution Incidents to Controlled Waters Property Type: China Clay Tips Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Surface Water Note: Poor Operational Practise Incident Date: 23rd August 1994 Incident Reference: 62015740 Catchment Area: St. Austell, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	615	2	200700 52700
20	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Sewerage Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Crude Sewage Note: Poor/Inadequate Maintenance Incident Date: 23rd August 1994 Incident Reference: 62015741 Catchment Area: St. Austell, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	619	2	200700 52695
21	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Oils - Waste Oil Note: Not Supplied Incident Date: 1st March 1993 Incident Reference: 62005563 Catchment Area: St. Austell, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NE (W)	660	2	199650 53300
22	Pollution Incidents to Controlled Waters Property Type: Road (Road Traffic Accident) Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Other Note: Miscellaneous/Other Pollution Type Incident Date: 7th November 1992 Incident Reference: 62005379 Catchment Area: St. Austell, 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	A17SE (NW)	779	2	199700 53700
23	Pollution Incidents to Controlled Waters Property Type: China Clay Works Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Surface Water Note: Weather Incident Date: 4th August 1993 Incident Reference: 62005865 Catchment Area: St. Austell, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	806	2	199600 53600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Metalliferous Mine Workings Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Oils - Diesel (Including Agricultural) Note: Accidental Spillage/Leakage Incident Date: 5th April 1991 Incident Reference: 51001744 Catchment Area: St. Austell, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A12NW (W)	827	2	199500 53400
25	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Industrial: Other Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Surface Water Note: Miscellaneous/Other Pollution Type Incident Date: 3rd April 1994 Incident Reference: 62015093 Catchment Area: St. Austell, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A9SW (SE)	920	2	200800 52400
26	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Domestic & Residential: Private Dwellings Location: Truro Road, ST AUSTELL, Cornwall Authority: Environment Agency, South West Region Pollutant: Contaminated Material : Fire Fighting Run Off Note: Not Supplied Incident Date: 20th April 1999 Incident Reference: 35973 Catchment Area: St. Austell, Cornwall Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Manually positioned to the road within the address or location</p>	A9SW (SE)	949	2	200862 52405
	<p>River Quality</p> <p>Name: St. Austell R GQA Grade: River Quality B Reach: Lansalson Bridge-Above Gover Strm Estimated Distance (km): 2.4 Flow Rate: Flow less than 0.62 cumecs Flow Type: River Year: 2000</p>	A14SW (E)	372	2	200675 53062
	<p>River Quality</p> <p>Name: Gover Strm GQA Grade: River Quality A Reach: Source-Above St. Austell R Estimated Distance (km): 3.4 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000</p>	A8NW (SW)	403	2	200083 52845
	<p>River Quality</p> <p>Name: Gover Strm GQA Grade: River Quality A Reach: Above St.Austell R-St.Austell Conf Estimated Distance (km): .1 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000</p>	A9NW (SE)	544	2	200662 52762
	<p>River Quality</p> <p>Name: St. Austell R GQA Grade: River Quality B Reach: U/S Gover Strm-Below Pentewan Road Lab Estimated Distance (km): 1.3 Flow Rate: Flow less than 0.62 cumecs Flow Type: River Year: 2000</p>	A9NW (SE)	684	2	200822 52718

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	<p>River Quality Biology Sampling Points</p> <p>Name: St. Austell River Reach: Upstream Gover Stream-Below Pentewan Road Lab Estimated Distance: 1.30 Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 1995 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2000 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2002 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2003 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2004 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2005 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2006 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2007 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2008 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2009 GQA Grade: River Quality Biology GQA Grade B - Good</p>	A9NW (SE)	662	2	200750 52680
27	<p>River Quality Biology Sampling Points</p> <p>Name: Gover Stream Reach: Above St.Austell River To St.Austell Confluence Estimated Distance: 0.10 Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 1995 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2000 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2002 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2003 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2004 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2005 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2006 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2007 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2008 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2009 GQA Grade: River Quality Biology GQA Grade B - Good</p>	A9NW (SE)	662	2	200750 52680
28	<p>Substantiated Pollution Incident Register</p> <p>Authority: Environment Agency - South West Region, Devon and Cornwall Area Incident Date: 12th September 2005 Incident Reference: 345680 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Pollutant Not Identified: Not Identified</p>	A12NE (W)	674	2	199667 53427
29	<p>Water Abstractions</p> <p>Operator: MR & MRS K A WILLIAMS Licence Number: 1548193G008 Permit Version: Not Supplied Location: Trenance Farm house, Trenance Downs, ST AUSTELL, Cornwall, PL25 5AP Authority: Environment Agency, South West Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well Daily Rate (m3): 2.30 Yearly Rate (m3): 827.00 Details: Depth 5M 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>	A13NE (NE)	118	2	200400 53295

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	<p>Water Abstractions</p> <p>Operator: HAS BEEN ALLOCATED FOR Licence Number: 1548193G012 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, South West Region Abstraction: Private Water Supplies (Domestic) Abstraction Type: Not Supplied Source: Adit Daily Rate (m3): 454.60 Yearly Rate (m3): 1364.00 Details: Licences Set Up After 1965 But Now Cancelled 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>	A13NE (NE)	122	2	200400 53300
30	<p>Water Abstractions</p> <p>Operator: AGRICULTURAL LICENCE BUT Licence Number: 1548193G028 Permit Version: Not Supplied Location: Little Trenance Farm, ST AUSTELL, 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: Poss Ref 12665600300012 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>	A13NW (N)	288	2	200300 53500
31	<p>Water Abstractions</p> <p>Operator: St Austell Brewery Co Ltd Licence Number: 15/48/193/G/010 Permit Version: 100 Location: St. Austell Brewery Co. Ltd. - Flooded Tin Mine Authority: Environment Agency, South West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: St. Austell Brewery Co. Ltd, Trevarthian Road, St Austell, Cornwall Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 31st December 1965 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A14SE (E)	798	2	201100 53000
32	<p>Water Abstractions</p> <p>Operator: D J KING Licence Number: 1548193G020 Permit Version: Not Supplied Location: Chaun Vista, & Sunny Corner, ST AUSTELL Authority: Environment Agency, South West Region Abstraction: Private Water Supply (Holiday Recreation/Hotels Etc) Abstraction Type: Not Supplied Source: Borehole Daily Rate (m3): 9.10 Yearly Rate (m3): 3319.00 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>	A18NW (N)	811	2	200100 53995

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	<p>Water Abstractions</p> <p>Operator: D J KING Licence Number: 1548193G020 Permit Version: Not Supplied Location: Chaun Vista, & Sunny Corner, ST AUSTELL Authority: Environment Agency, South West Region Abstraction: Private Water Supplies (Domestic) Abstraction Type: Not Supplied Source: Borehole Daily Rate (m3): 0.60 Yearly Rate (m3): 216.00 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>	A18NW (N)	816	2	200100 54000
33	<p>Water Abstractions</p> <p>Operator: St Austell Brewery Co Ltd Licence Number: 15/48/193/G/010 Permit Version: 101 Location: Flooded Tin Mine At The Brake, St Austell, Cornwall Authority: Environment Agency, South West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: St. Austell Brewery Co. Ltd, Trevarthian Road, St Austell, Cornwall Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 28th July 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A14SE (E)	819	2	201132 53053
33	<p>Water Abstractions</p> <p>Operator: St Austell Brewery Co Ltd Licence Number: 15/48/193/G/010 Permit Version: 101 Location: Flooded Tin Mine At The Brake, St Austell, Cornwall Authority: Environment Agency, South West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 28th July 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A14SE (E)	819	2	201132 53053
34	<p>Water Abstractions</p> <p>Operator: Mr D Vicary Licence Number: 15/48/193/S/024 Permit Version: 100 Location: Household Appliance Centre Ltd - St. Austell River Authority: Environment Agency, South West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Household Appliance Centre Ltd, Gover Road, St Austell, Cornwall Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th July 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A9SW (SE)	889	2	200820 52450

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
35	<p>Water Abstractions</p> <p>Operator: HAS BEEN ALLOCATED FOR Licence Number: 1548193S022 Permit Version: Not Supplied Location: Works-Carne Stents China, Clay Co Ltd Authority: Environment Agency, South West Region Abstraction: Industrial Processing (Miscellaneous) Abstraction Type: Not Supplied Source: River Daily Rate (m3): 681.90 Yearly Rate (m3): 45461.00 Details: Gover River 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>	A17SW (NW)	943	2	199500 53700
	<p>Water Abstractions</p> <p>Operator: HAS BEEN ALLOCATED FOR Licence Number: 1548193S021 Permit Version: Not Supplied Location: China Clay Works, TRETOWAL Authority: Environment Agency, South West Region Abstraction: Industrial Processing (Miscellaneous) Abstraction Type: Not Supplied Source: River Daily Rate (m3): 11.30 Yearly Rate (m3): 4091.00 Details: St Austell (White) River 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 (E)	1059	2	201300 53600
	<p>Water Abstractions</p> <p>Operator: Mr R G Clemo Licence Number: 15/48/193/G/015 Permit Version: 100 Location: Menacuddle Farm, St. Austell - Borehole A 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: Menacuddle Farm, St. Austell. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 9th August 1983 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A15NW (E)	1195	2	201500 53400
	<p>Water Abstractions</p> <p>Operator: HAS BEEN ALLOCATED FOR Licence Number: 1548193G033 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, South West Region Abstraction: Private Water Supplies (Domestic) Abstraction Type: Not Supplied Source: Spring Daily Rate (m3): 681.90 Yearly Rate (m3): 248898.00 Details: Licences Set Up After 1965 But Now Cancelled 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>	A19NE (NE)	1326	2	201300 54100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: HAS BEEN ALLOCATED FOR Licence Number: 1548193G040 Permit Version: Not Supplied Location: Nos 1-3 Bridge View, Cottages, ST AUSTELL Authority: Environment Agency, South West Region Abstraction: Private Water Supplies (Domestic) Abstraction Type: Not Supplied Source: Spring Daily Rate (m3): 0.30 Yearly Rate (m3): 127.00 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>	A16NE (NW)	1340	2	199300 54095
	<p>Water Abstractions</p> <p>Operator: Mr P A Moon Licence Number: 15/48/193/G/044 Permit Version: 100 Location: The Sycamores - Borehole Authority: Environment Agency, South West Region Abstraction: Commercial/Industrial/Public Services: 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: The Sycamores, St. Austell. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st July 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A10SW (SE)	1362	2	201500 52500
	<p>Water Abstractions</p> <p>Operator: Mr P A Moon Licence Number: 15/48/193/G/044 Permit Version: 100 Location: The Sycamores - 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: The Sycamores, St. Austell. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st July 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A10SW (SE)	1362	2	201500 52500
	<p>Water Abstractions</p> <p>Operator: St Austell Brewery Co Ltd Licence Number: 15/48/193/G/009 Permit Version: 100 Location: St. Austell Brewery Co. Ltd. - Deep Well Authority: Environment Agency, South West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: St. Austell Brewery Co. Ltd, Trevarthian Road, St Austell, Cornwall Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 31st December 1965 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A15SE (E)	1405	2	201700 52900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: HAS BEEN ALLOCATED FOR Licence Number: 1548193G013 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, South West Region Abstraction: Private Water Supplies (Domestic) Abstraction Type: Not Supplied Source: Adit Daily Rate (m3): 454.60 Yearly Rate (m3): 165932.00 Details: Licences Set Up After 1965 But Now Cancelled 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 (NW)	1432	2	199000 53800
	<p>Water Abstractions</p> <p>Operator: HAS BEEN ALLOCATED FOR Licence Number: 1548193S003 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, South West Region Abstraction: Private Water Supplies (Domestic) Abstraction Type: Not Supplied Source: Reservoir/Pond Daily Rate (m3): 227.30 Yearly Rate (m3): 82966.00 Details: Licences Set Up After 1965 But Now Cancelled 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>	A24NW (N)	1469	2	200800 54600
	<p>Water Abstractions</p> <p>Operator: HAS BEEN ALLOCATED FOR Licence Number: 1548193G019 Permit Version: Not Supplied Location: Penisker Farm , TREWOON Authority: Environment Agency, South West Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well Daily Rate (m3): 0.20 Yearly Rate (m3): 83.00 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>	A16NE (NW)	1560	2	199100 54200
	<p>Water Abstractions</p> <p>Operator: HAS BEEN ALLOCATED FOR Licence Number: 1548193S016 Permit Version: Not Supplied Location: China Clay Works Of Aqueous Clay Co Authority: Environment Agency, South West Region Abstraction: Industrial Processing (Quarrying) Abstraction Type: Not Supplied Source: River Daily Rate (m3): 1963.90 Yearly Rate (m3): 714861.00 Details: Stream 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>	A6SW (SW)	1609	2	198900 52400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Jeffreys Licence Number: 15/48/193/G/043 Permit Version: 100 Location: St. Austell Cattle Market, St. Austell - Borehole Authority: Environment Agency, South West Region Abstraction: Other Industrial/Commercial/Public Services: General Washing/Process Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: St Austell Cattle Market, St. Austell (As Shown Edged In Red On The Plan). Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 15th September 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A4SE (SE)	1696	2	201300 51800
	<p>Water Abstractions</p> <p>Operator: ENGLISH CHINA CLAYS Licence Number: 1548193S008 Permit Version: Not Supplied Location: LANSALSON Authority: Environment Agency, South West Region Abstraction: Industrial Processing (Quarrying) Abstraction Type: Not Supplied Source: River Daily Rate (m3): 1145.60 Yearly Rate (m3): 454607.00 Details: St Austell (White) River 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>	(N)	1726	2	200700 54895
	<p>Water Abstractions</p> <p>Operator: ENGLISH CHINA CLAYS Licence Number: 1548193S008 Permit Version: Not Supplied Location: LANSALSON Authority: Environment Agency, South West Region Abstraction: Industrial Processing (Quarrying) Abstraction Type: Not Supplied Source: River Daily Rate (m3): 1145.60 Yearly Rate (m3): 245488.00 Details: St Austell (White) River 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>	(N)	1731	2	200700 54900
	<p>Water Abstractions</p> <p>Operator: Goonvean & Rostowrack China Clay Co Ltd Licence Number: 15/48/193/G/021 Permit Version: 100 Location: Greensplat Works Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Greensplat Works, St Austell Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 29th September 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(N)	1815	2	200000 55000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: ENGLISH CHINA CLAYS Licence Number: 1548193G025 Permit Version: Not Supplied Location: GOVERSETH Authority: Environment Agency, South West Region Abstraction: Industrial Processing (Quarrying) Abstraction Type: Not Supplied Source: Groundwater Fed Reservoir Daily Rate (m3): 13563.60 Yearly Rate (m3): 697964.00 Details: Lansalson Pit; 15/48/20/g/86 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 10m</p>	(N)	1823	2	200696 54996
	<p>Water Abstractions</p> <p>Operator: Imerys Minerals Ltd Licence Number: 15/48/193/G/026 Permit Version: 103 Location: Lansalson Pit Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Mid Cornwall China Clay District Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	(N)	1828	2	200700 55000
	<p>Water Abstractions</p> <p>Operator: Imerys Minerals Ltd Licence Number: 15/48/193/G/026 Permit Version: 102 Location: Lansalson Pit Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Blackpool, Blackpool Dryers, Gt Longstone, Littlejohns, Wheal Martyn & Greensplatt Works Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 24th February 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	(N)	1828	2	200700 55000
	<p>Water Abstractions</p> <p>Operator: Imerys Minerals Ltd Licence Number: 15/48/193/G/026 Permit Version: 101 Location: Lansalson Pit Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 38255 Yearly Rate (m3): 1705280 Details: Blackpool, Blackpool Dryers, Gt Longstone, Littlejohns, Wheal Martyn & Greensplatt Works Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(N)	1828	2	200700 55000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: ENGLISH CHINA CLAYS Licence Number: 1548193G025 Permit Version: Not Supplied Location: GOVERSETH Authority: Environment Agency, South West Region Abstraction: Industrial Processing (Quarrying) Abstraction Type: Not Supplied Source: Groundwater Fed Reservoir Daily Rate (m3): 6059.10 Yearly Rate (m3): 559909.00 Details: West Gunheath Pit 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>	(N)	1830	2	200706 55001
	<p>Water Abstractions</p> <p>Operator: ENGLISH CHINA CLAYS Licence Number: 1548193G025 Permit Version: Not Supplied Location: GOVERSETH Authority: Environment Agency, South West Region Abstraction: Industrial Processing (Quarrying) Abstraction Type: Not Supplied Source: Groundwater Fed Reservoir Daily Rate (m3): 6059.10 Yearly Rate (m3): 337182.00 Details: West Gunheath Pit 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>	(N)	1835	2	200706 55006
	<p>Water Abstractions</p> <p>Operator: Imerys Minerals Ltd Licence Number: 15/48/193/G/026 Permit Version: 103 Location: Stockers Pit Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Mid Cornwall China Clay District Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	(W)	1870	2	198500 53700
	<p>Water Abstractions</p> <p>Operator: Imerys Minerals Ltd Licence Number: 15/48/193/G/026 Permit Version: 102 Location: Blackpool Well Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Blackpool, Blackpool Dryers, Gt Longstone, Littlejohns, Wheal Martyn & Greensplatt Works Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 24th February 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	(W)	1944	2	198400 53600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Imerys Minerals Ltd Licence Number: 15/48/193/G/026 Permit Version: 101 Location: Blackpool Well Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 38255 Yearly Rate (m3): 1705280 Details: Blackpool, Blackpool Dryers, Gt Longstone, Littlejohns, Wheal Martyn & Greensplatt Works Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	(W)	1944	2	198400 53600
	<p>Water Abstractions</p> <p>Operator: ENGLISH CHINA CLAYS Licence Number: 1548193G026 Permit Version: Not Supplied Location: Blackpool; Blackpool Dryer; Gt Longstone, Gunheath; Littlejohns; Wheal Martyn, & Water Undertaking To Berk Ltd Authority: Environment Agency, South West Region Abstraction: Industrial Processing (Quarrying) Abstraction Type: Not Supplied Source: Groundwater Fed Reservoir Daily Rate (m3): 15118.20 Yearly Rate (m3): 1751136.00 Details: Lansalsan Pit; Carbean Pit; Higher Ninestones Pit 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>	(NE)	1949	2	201300 54895
	<p>Water Abstractions</p> <p>Operator: ENGLISH CHINA CLAYS Licence Number: 1548193G026 Permit Version: Not Supplied Location: Blackpool; Blackpool Dryer; Gt Longstone, Gunheath; Littlejohns; Wheal Martyn, & Water Undertaking To Berk Ltd, TRETOWEL Authority: Environment Agency, South West Region Abstraction: Industrial Processing (Quarrying) Abstraction Type: Not Supplied Source: Groundwater Fed Reservoir Daily Rate (m3): 15118.20 Yearly Rate (m3): 1273864.00 Details: Great Halviggan Pit; C 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 10m</p>	(NE)	1952	2	201305 54895
	<p>Water Abstractions</p> <p>Operator: Imerys Minerals Ltd Licence Number: 15/48/193/G/026 Permit Version: 103 Location: Ruddle Pit Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Mid Cornwall China Clay District Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	(NE)	1954	2	201300 54900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Imerys Minerals Ltd Licence Number: 15/48/193/G/026 Permit Version: 102 Location: Ruddle Pit Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Blackpool, Blackpool Dryers, Gt Longstone, Littlejohns, Wheal Martyn & Greensplatt Works Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 24th February 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	(NE)	1954	2	201300 54900
	<p>Water Abstractions</p> <p>Operator: Imerys Minerals Ltd Licence Number: 15/48/193/G/026 Permit Version: 101 Location: Ruddle Pit Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 38255 Yearly Rate (m3): 1705280 Details: Blackpool, Blackpool Dryers, Gt Longstone, Littlejohns, Wheal Martyn & Greensplatt Works Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	(NE)	1954	2	201300 54900
	<p>Water Abstractions</p> <p>Operator: ENGLISH CHINA CLAYS Licence Number: 1548193G026 Permit Version: Not Supplied Location: Blackpool; Blackpool Dryer; Gt Longstone, Gunheath; Littlejohns; Wheal Martyn, & Water Undertaking To Berk Ltd, TRETOWEL Authority: Environment Agency, South West Region Abstraction: Industrial Processing (Quarrying) Abstraction Type: Not Supplied Source: Groundwater Fed Reservoir Daily Rate (m3): 15118.20 Yearly Rate (m3): 1251391.00 Details: Great Halviggan Pit; C 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 10m</p>	(NE)	1955	2	201295 54905
	<p>Water Abstractions</p> <p>Operator: ENGLISH CHINA CLAYS Licence Number: 1548193G026 Permit Version: Not Supplied Location: Blackpool; Blackpool Dryer; Gt Longstone, Gunheath; Littlejohns; Wheal Martyn, & Water Undertaking To Berk Ltd, TRETOWEL Authority: Environment Agency, South West Region Abstraction: Industrial Processing (Quarrying) Abstraction Type: Not Supplied Source: Groundwater Fed Reservoir Daily Rate (m3): 15118.20 Yearly Rate (m3): 1287755.00 Details: Great Halviggan Pit 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 10m</p>	(NE)	1956	2	201305 54900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: ENGLISH CHINA CLAYS Licence Number: 1548193G026 Permit Version: Not Supplied Location: Blackpool; Blackpool Dryer; Gt Longstone, Gunheath; Littlejohns; Wheel Martyn, & Water Undertaking To Berk Ltd, TRETOWEL Authority: Environment Agency, South West Region Abstraction: Industrial Processing (Quarrying) Abstraction Type: Not Supplied Source: Groundwater Fed Reservoir Daily Rate (m3): 15118.20 Yearly Rate (m3): 1605936.00 Details: Great Halviggan Pit 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 10m	(NE)	1958	2	201300 54905
	Water Abstractions Operator: ENGLISH CHINA CLAYS Licence Number: 1548193G026 Permit Version: Not Supplied Location: Blackpool; Blackpool Dryer; Gt Longstone, Gunheath; Littlejohns; Wheel Martyn, & Water Undertaking To Berk Ltd, TRETOWEL Authority: Environment Agency, South West Region Abstraction: Industrial Processing (Quarrying) Abstraction Type: Not Supplied Source: Groundwater Fed Reservoir Daily Rate (m3): 15118.20 Yearly Rate (m3): 1424118.00 Details: Great Halviggan Pit; C 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 10m	(NE)	1961	2	201305 54905
	Water Abstractions Operator: Imerys Minerals Ltd Licence Number: 15/48/193/G/026 Permit Version: 103 Location: Blackpool Well Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Mid Cornwall China Clay District Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(W)	1991	2	198400 52600
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: >70% Superficial: <90% Patchiness: Superficial <3m Thickness: Superficial No Data Recharge:	A13SW (S)	0	4	200312 53196
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SW (S)	0	4	200312 53196
	Superficial Aquifer Designations No Data Available				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	A14SE (E)	770	2	201084 53062
37	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	A14SE (E)	773	2	201085 53049
	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				
38	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: Par, St Austell and Caerhays Primacy: 1	A13SE (E)	102	5	200426 53185
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A13SE (E)	102	5	200426 53185
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A13SE (E)	103	5	200427 53173
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 51.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A13SE (E)	106	5	200428 53162
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 73.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A13NE (E)	109	5	200432 53206
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 92.0 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A13SE (SE)	136	5	200440 53116

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 42.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A13SE (S)	160	5	200375 53035
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A13SE (S)	176	5	200375 53018
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 47.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A13SE (S)	187	5	200375 53006
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A13SE (S)	230	5	200373 52960
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 55.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A13SE (S)	243	5	200376 52948
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 352.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Gover Stream Catchment Name: Par, St Austell and Caerhays Primacy: 1	A13SW (S)	266	5	200292 52915
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.1 Watercourse Level: Underground Permanent: True Watercourse Name: Gover Stream Catchment Name: Par, St Austell and Caerhays Primacy: 1	A13SE (S)	282	5	200322 52899
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Gover Stream Catchment Name: Par, St Austell and Caerhays Primacy: 1	A13SE (S)	283	5	200325 52898
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A13SE (S)	288	5	200362 52898

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.3 Watercourse Level: Underground Permanent: True Watercourse Name: Gover Stream Catchment Name: Par, St Austell and Caerhays Primacy: 1	A13SE (S)	288	5	200343 52895
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Gover Stream Catchment Name: Par, St Austell and Caerhays Primacy: 1	A13SE (S)	289	5	200347 52894
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 509.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Gover Stream Catchment Name: Par, St Austell and Caerhays Primacy: 1	A13SE (S)	292	5	200359 52893
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 123.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A13SW (S)	316	5	200285 52865
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 88.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A13SW (S)	323	5	200243 52864
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Gover Stream Catchment Name: Par, St Austell and Caerhays Primacy: 1	A13SW (SW)	390	5	199986 52959
59	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: Par, St Austell and Caerhays Primacy: 1	A13SW (SW)	390	5	199986 52959
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A13SW (SW)	392	5	199986 52956
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A13SW (SW)	397	5	199977 52961

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 111.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Gover Stream Catchment Name: Par, St Austell and Caerhays Primacy: 1	A13SW (SW)	398	5	199977 52959
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A13SW (SW)	398	5	199984 52949
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 200.1 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A13SW (SW)	405	5	199976 52948
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 84.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A13NW (NW)	425	5	199983 53487
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.4 Watercourse Level: Underground Permanent: True Watercourse Name: Gover Stream Catchment Name: Par, St Austell and Caerhays Primacy: 1	A12SE (SW)	471	5	199874 52996
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 106.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Gover Stream Catchment Name: Par, St Austell and Caerhays Primacy: 1	A12SE (SW)	474	5	199870 52996
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 73.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A17SE (NW)	503	5	199947 53562
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 46.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A18SW (NW)	528	5	199998 53638
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A18SW (NW)	531	5	200027 53662

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 55.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A18SW (NW)	532	5	200030 53664
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 71.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A12SE (W)	540	5	199789 53021
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.4 Watercourse Level: Underground Permanent: True Watercourse Name: Gover Stream Catchment Name: Par, St Austell and Caerhays Primacy: 1	A12SE (W)	540	5	199782 53046
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A12SE (W)	541	5	199790 53015
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 310.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Gover Stream Catchment Name: Par, St Austell and Caerhays Primacy: 1	A12SE (W)	542	5	199777 53053
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 43.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A17SE (NW)	550	5	199953 53632
77	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 94.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A12NE (NW)	556	5	199818 53478
78	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 4.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A18SW (NW)	560	5	200052 53708
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 157.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A17SE (NW)	612	5	199866 53635

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 131.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A17SE (NW)	616	5	199892 53665
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.6 Watercourse Level: Underground Permanent: True Watercourse Name: Gover Stream Catchment Name: Par, St Austell and Caerhays Primacy: 1	A12NE (W)	621	5	199697 53340
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 62.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A17SE (NW)	622	5	199962 53728
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 187.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Gover Stream Catchment Name: Par, St Austell and Caerhays Primacy: 1	A12NE (W)	623	5	199695 53343
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 53.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A18SW (NW)	627	5	200041 53777
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 375.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: St Austell River Catchment Name: Par, St Austell and Caerhays Primacy: 1	A9NW (SE)	630	5	200791 52765
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A18SW (NW)	633	5	200022 53775
87	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 47.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A18SW (NW)	633	5	200022 53775
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A18SW (NW)	640	5	200004 53773

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
89	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 35.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A17SE (NW)	647	5	199770 53572
90	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 53.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A17SE (NW)	648	5	199750 53543
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 152.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A17SE (NW)	652	5	199927 53740
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A18SW (NW)	657	5	200001 53791
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A17SE (NW)	670	5	199975 53792
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 30.7 Watercourse Level: Underground Permanent: True Watercourse Name: St Austell River Catchment Name: Par, St Austell and Caerhays Primacy: 1	A9NW (SE)	679	5	200747 52656
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 55.0 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A12NE (NW)	686	5	199698 53530
96	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: St Austell River Catchment Name: Par, St Austell and Caerhays Primacy: 1	A9NW (SE)	696	5	200738 52627
97	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A14SW (E)	705	5	200977 52921

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
98	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 120.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: St Austell River Catchment Name: Par, St Austell and Caerhays Primacy: 1	A9NW (SE)	705	5	200732 52612
99	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 141.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: St Austell River Catchment Name: Par, St Austell and Caerhays Primacy: 1	A14SW (SE)	707	5	200979 52920
100	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 34.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A17SE (NW)	708	5	199688 53558
101	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 76.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A17SE (NW)	709	5	199706 53589
102	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A17SE (NW)	713	5	199685 53562
103	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A17SE (NW)	714	5	199690 53572
104	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A17SE (NW)	716	5	199685 53568
105	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A17SE (NW)	720	5	199665 53540
106	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A12NE (NW)	725	5	199654 53530

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
107	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 95.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Gover Stream Catchment Name: Par, St Austell and Caerhays Primacy: 1	A12NE (NW)	728	5	199645 53518
108	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A14SE (E)	752	5	201059 53030
109	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 524.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: St Austell River Catchment Name: Par, St Austell and Caerhays Primacy: 1	A14SE (E)	752	5	201059 53030
110	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A9NW (SE)	777	5	200735 52528
111	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A9SW (SE)	794	5	200754 52519
112	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 82.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A14SE (E)	801	5	201112 53040
113	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 346.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: St Austell River Catchment Name: Par, St Austell and Caerhays Primacy: 1	A9SW (SE)	806	5	200773 52518
114	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 51.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A17SW (NW)	808	5	199593 53593
115	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 40.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Gover Stream Catchment Name: Par, St Austell and Caerhays Primacy: 1	A17SW (NW)	808	5	199593 53593

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
116	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 35.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A17SW (NW)	826	5	199625 53679
117	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 76.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A14SE (E)	837	5	201157 53107
118	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 72.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A14SE (E)	837	5	201157 53107
119	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A17SW (NW)	838	5	199580 53630
120	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A17SW (NW)	838	5	199597 53659
121	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 46.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Gover Stream Catchment Name: Par, St Austell and Caerhays Primacy: 1	A17SW (NW)	839	5	199578 53628
122	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A17SW (NW)	839	5	199583 53638
123	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 37.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A17SW (NW)	846	5	199544 53579
124	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 44.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A17SW (NW)	858	5	199592 53687

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
125	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 28.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Gover Stream Catchment Name: Par, St Austell and Caerhays Primacy: 1	A17SW (NW)	884	5	199542 53656
126	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A17SW (NW)	884	5	199542 53656
127	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 38.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A14SE (E)	905	5	201227 53127
128	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A17SW (NW)	910	5	199514 53660
129	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 122.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Gover Stream Catchment Name: Par, St Austell and Caerhays Primacy: 1	A17SW (NW)	910	5	199515 53662
130	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A17SW (NW)	914	5	199509 53659
131	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A17SW (NW)	925	5	199500 53666
132	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A17SW (NW)	940	5	199489 53676
133	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.6 Watercourse Level: Underground Permanent: True Watercourse Name: St Austell River Catchment Name: Par, St Austell and Caerhays Primacy: 1	A14NE (E)	949	5	201222 53494

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
134	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 38.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: St Austell River Catchment Name: Par, St Austell and Caerhays Primacy: 1	A14NE (E)	960	5	201228 53510
135	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.1 Watercourse Level: Underground Permanent: True Watercourse Name: St Austell River Catchment Name: Par, St Austell and Caerhays Primacy: 1	A19SE (E)	971	5	201226 53548
136	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 196.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: St Austell River Catchment Name: Par, St Austell and Caerhays Primacy: 1	A19SE (E)	972	5	201225 53552
137	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A18NE (N)	988	5	200447 54192

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Restormel Borough Council - Has no landfill data to supply		0	6	200312 53196
	Local Authority Landfill Coverage Name: Cornwall County Council - Had landfill data but passed it to the relevant environment agency		0	7	200312 53196

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Unnamed Igneous Intrusion, Carboniferous To Permian	A13SW (S)	0	1	200312 53196
138	BGS Recorded Mineral Sites Site Name: Trenance China Clay Works Location: St Austell, St Austell, Cornwall Source: British Geological Survey, National Geoscience Information Service Reference: 82603 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous, Permian Geology: St Austell Intrusion (St Austell Granite) Commodity: China Clay Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	303	1	200436 53491
139	BGS Recorded Mineral Sites Site Name: Trenance China Clay Works Location: St Austell, St Austell, Cornwall Source: British Geological Survey, National Geoscience Information Service Reference: 82602 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous, Permian Geology: St Austell Intrusion (St Austell Granite) Commodity: China Clay Positional Accuracy: Located by supplier to within 10m	A18SE (NE)	422	1	200506 53589
140	BGS Recorded Mineral Sites Site Name: Forest China Clay Works Location: St Austell, St Austell, Cornwall Source: British Geological Survey, National Geoscience Information Service Reference: 82599 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous, Permian Geology: St Austell Intrusion (St Austell Granite) Commodity: China Stone Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	459	1	199941 53489
141	BGS Recorded Mineral Sites Site Name: Forest China Clay Works Location: St Austell, St Austell, Cornwall Source: British Geological Survey, National Geoscience Information Service Reference: 82600 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous, Permian Geology: St Austell Intrusion (St Austell Granite) Commodity: China Clay Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	600	1	199785 53510
142	BGS Recorded Mineral Sites Site Name: Trenance Wood Location: St Austell, Cornwall Source: British Geological Survey, National Geoscience Information Service Reference: 82605 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Devonian Geology: Meadfoot Group Commodity: Slate Positional Accuracy: Located by supplier to within 10m	A14SW (E)	623	1	200917 52994

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
143	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Trethowell China Clay Works Location: St Austell, St Austell, Cornwall Source: British Geological Survey, National Geoscience Information Service Reference: 82576 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous, Permian Geology: St Austell Intrusion (St Austell Granite) Commodity: China Clay Positional Accuracy: Located by supplier to within 10m</p>	A18NE (NE)	726	1	200620 53872
144	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Trethowell China Clay Works Location: St Austell, St Austell, Cornwall Source: British Geological Survey, National Geoscience Information Service Reference: 82577 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous, Permian Geology: St Austell Intrusion (St Austell Granite) Commodity: China Clay Positional Accuracy: Located by supplier to within 10m</p>	A19SW (NE)	758	1	200741 53840
145	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Biscovallack China Clay Works Location: St Austell, St Austell, Cornwall Source: British Geological Survey, National Geoscience Information Service Reference: 82580 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous, Permian Geology: St Austell Intrusion (St Austell Granite) Commodity: China Clay Positional Accuracy: Located by supplier to within 10m</p>	A18NW (N)	771	1	200168 53970
146	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Trenance Wood Location: St Austell, Cornwall Source: British Geological Survey, National Geoscience Information Service Reference: 82604 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Devonian Geology: Meadfoot Group Commodity: Slate Positional Accuracy: Located by supplier to within 10m</p>	A9NE (SE)	874	1	201128 52844
147	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Biscovallack China Clay Works Location: St Austell, St Austell, Cornwall Source: British Geological Survey, National Geoscience Information Service Reference: 82581 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous, Permian Geology: St Austell Intrusion (St Austell Granite) Commodity: China Clay Positional Accuracy: Located by supplier to within 10m</p>	A18NW (N)	879	1	200001 54034
148	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Chipponds Quarry Location: St Austell, Cornwall Source: British Geological Survey, National Geoscience Information Service Reference: 82606 Type: Opencast Status: Ceased Operator: Cornwall County Council Operator Location: Not Supplied Periodic Type: Devonian Geology: Unnamed Igneous Intrusion, Devonian To Carboniferous Commodity: Igneous and Metamorphic Rock Positional Accuracy: Located by supplier to within 10m</p>	A8SW (S)	883	1	200310 52297

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
149	BGS Recorded Mineral Sites Site Name: Trethowell China Clay Works Location: St Austell, St Austell, Cornwall Source: British Geological Survey, National Geoscience Information Service Reference: 82609 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous, Permian Geology: St Austell Intrusion (St Austell Granite) Commodity: China Clay Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	929	1	200949 53892
150	BGS Recorded Mineral Sites Site Name: Forest China Clay Works Location: St Austell, St Austell, Cornwall Source: British Geological Survey, National Geoscience Information Service Reference: 82601 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous, Permian Geology: St Austell Intrusion (St Austell Granite) Commodity: China Stone Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	939	1	199505 53701
	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	A13SW (S)	0	-	200312 53196
	Man-Made Mining Cavities Easting: 199800 Northing: 52800 Distance: 634 Quadrant Reference: A7 Quadrant Reference: NE Bearing Ref: SW Cavity Type: Tin Mine-Details Unknown Commodity: Tin Solid Geology Detail: Meadfoot Beds, Felsite Superficial Geology: No Details Detail:	A7NE (SW)	634	8	199800 52800
	Non Coal Mining Areas of Great Britain Risk: Unlikely Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	200312 53196
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	200312 53196
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	188	1	200381 53007
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	200312 53196
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	188	1	200381 53007
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	200312 53196
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	200312 53196
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	128	1	200337 53056

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	188	1	200381 53007
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	213	1	200356 52973
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	229	1	200332 52952
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	200312 53196
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	188	1	200381 53007
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	200312 53196
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	188	1	200381 53007
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Higher probability radon area (more than 30% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	200312 53196
	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	A13SW (S)	0	1	200312 53196

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
151	<p>Contemporary Trade Directory Entries</p> <p>Name: Nationwide Security Blinds Location: 74, Turnavean Road, St. Austell, Cornwall, PL25 5NX Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A13SW (SW)	166	-	200229 53034
152	<p>Contemporary Trade Directory Entries</p> <p>Name: K L Joinery & Construction Location: Springfield Cottage, Trenance Road, St. Austell, Cornwall, PL25 5RF Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A18SW (N)	346	-	200231 53549
153	<p>Contemporary Trade Directory Entries</p> <p>Name: Artistry In Iron Location: White River Forge, Gover Valley, St. Austell, Cornwall, PL25 5RB Classification: Blacksmiths & Forgemasters Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p>	A12SE (W)	514	-	199788 53184
154	<p>Contemporary Trade Directory Entries</p> <p>Name: Courtney Light Haulage Location: 12, Higher Woodside, St. Austell, Cornwall, PL25 5EH Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A8NW (S)	631	-	200289 52549
154	<p>Contemporary Trade Directory Entries</p> <p>Name: Brett Pascoe Location: 2, Lower Woodside, St. Austell, Cornwall, PL25 5EQ Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A8NW (S)	632	-	200255 52551
155	<p>Contemporary Trade Directory Entries</p> <p>Name: Custom Collision Centre Location: BAY VIEW FARM, TRENANCE DOWNS, ST AUSTELL, PL25 5RH Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address</p>	A18NW (N)	730	-	200280 53942
155	<p>Contemporary Trade Directory Entries</p> <p>Name: Mike Stone Location: Bay View Farm, Trenance Downs, St. Austell, Cornwall, PL25 5RH Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A18NW (N)	731	-	200279 53943
156	<p>Contemporary Trade Directory Entries</p> <p>Name: Robin Location: 31, Tewington Place, St. Austell, Cornwall, PL25 5NW Classification: Mechanical Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A9NW (SE)	754	-	200920 52724
157	<p>Contemporary Trade Directory Entries</p> <p>Name: Graham Howard Location: 81, Bodmin Road, St. Austell, Cornwall, PL25 5AG Classification: Blast Cleaning Status: Active Positional Accuracy: Automatically positioned to the address</p>	A14SE (E)	796	-	201101 53017
158	<p>Contemporary Trade Directory Entries</p> <p>Name: Ats Euromaster Ltd Location: Gover Road, ST. AUSTELL, Cornwall, PL25 5NE Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A9NW (SE)	798	-	200794 52542
159	<p>Contemporary Trade Directory Entries</p> <p>Name: Trenance Tyres Location: 65, Bodmin Road, St. Austell, Cornwall, PL25 5AF Classification: Tyre Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A9NE (SE)	808	-	201046 52823
160	<p>Contemporary Trade Directory Entries</p> <p>Name: P C Thomas Location: 1, St. Mewan Lane, Trewoon, St. Austell, Cornwall, PL25 5SP Classification: Dairies Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A7NE (SW)	819	-	199687 52647

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
161	<p>Contemporary Trade Directory Entries</p> <p>Name: Trewoon Garage Location: 21, Cooperage Road, Trewoon, St. Austell, PL25 5SH Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A7NW (SW)	847	-	199575 52756
161	<p>Contemporary Trade Directory Entries</p> <p>Name: Evelys Classic Garage Location: 21 Cooperage Road, Trewoon, St Austell, Cornwall, PL25 5SH Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address</p>	A7NW (SW)	847	-	199575 52756
162	<p>Contemporary Trade Directory Entries</p> <p>Name: Trenance Garage Location: 11, Trenance Road, St. Austell, Cornwall, PL25 5AJ Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A9NE (SE)	865	-	201028 52683
163	<p>Contemporary Trade Directory Entries</p> <p>Name: Francis Antony Ltd Location: Blowing House Hill, ST. AUSTELL, Cornwall, PL25 5AH Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A9NE (SE)	880	-	200997 52620
163	<p>Contemporary Trade Directory Entries</p> <p>Name: Francis Antony Location: Blowing House Hill, St. Austell, Cornwall, PL25 5AH Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A9NE (SE)	880	-	200997 52620
164	<p>Contemporary Trade Directory Entries</p> <p>Name: Cornwall L P G Conversions Location: 65, Bodmin Road, St. Austell, Cornwall, PL25 5AF Classification: Vehicle Conversions Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address</p>	A9NE (SE)	892	-	201086 52722
165	<p>Contemporary Trade Directory Entries</p> <p>Name: Bardon Concrete Location: 10 Cooperage Rd, Trewoon, St. Austell, Cornwall, PL25 5SL Classification: Concrete & Mortar Ready Mixed Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p>	A7NW (SW)	898	-	199538 52717
166	<p>Contemporary Trade Directory Entries</p> <p>Name: Gardiner Pole Systems Ltd Location: Trevarrick Mill, Trevarrick Road, St. Austell, PL25 5JN Classification: Cleaning Materials & Equipment Status: Active Positional Accuracy: Automatically positioned to the address</p>	A9SW (SE)	915	-	200819 52418
166	<p>Contemporary Trade Directory Entries</p> <p>Name: Hi-Q Tyres Location: 1, Trevarrick Road, St. Austell, Cornwall, PL25 5JL Classification: Car Engine Tuning & Diagnostic Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A9SW (SE)	916	-	200820 52417
166	<p>Contemporary Trade Directory Entries</p> <p>Name: Hi-Q Tyres Services Location: 1, Trevarrick Road, St. Austell, Cornwall, PL25 5JL Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address</p>	A9SW (SE)	916	-	200820 52417
167	<p>Contemporary Trade Directory Entries</p> <p>Name: Mr Philip Glass Location: Aston House, Trethowel, St. Austell, Cornwall, PL25 5RR Classification: Shutters - Internal Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A19SE (E)	1000	-	201245 53579

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
168	<p>Fuel Station Entries</p> <p>Name: Trewoon Garage Location: 21, Copperage Road , Trewoon , St Austell, Cornwall, PL25 5SH Brand: Power Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address</p>	A7NW (SW)	848	-	199574 52755

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Environment Agency - Head Office Cornwall Council - Environmental Health Department Restormel Borough Council (now part of Cornwall Council) - Environmental Health Department	November 2023 October 2017 September 2008	Annually Annually Not Applicable
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	January 2023	Quarterly
Local Authority Integrated Pollution Prevention And Control Fowey Port Health Authority Restormel Borough Council (now part of Cornwall Council) - Environmental Health Department Cornwall Council - Environmental Health Department	August 2008 July 2009 March 2023	Variable Not Applicable Variable
Local Authority Pollution Prevention and Controls Fowey Port Health Authority Restormel Borough Council (now part of Cornwall Council) - Environmental Health Department Cornwall Council - Environmental Health Department	August 2008 July 2009 March 2023	Not Applicable Not Applicable Annually
Local Authority Pollution Prevention and Control Enforcements Fowey Port Health Authority Restormel Borough Council (now part of Cornwall Council) - Environmental Health Department Cornwall Council - Environmental Health Department	August 2008 July 2009 March 2023	Variable Not Applicable Variable
Nearest Surface Water Feature Ordnance Survey	December 2023	
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	





Agency & Hydrological	Version	Update Cycle
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
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	January 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 Cornwall County Council (now part of Cornwall Council) Restormel Borough Council (now part of Cornwall Council) - Environmental Health Department	February 2003 February 2003	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Cornwall County Council (now part of Cornwall Council) Restormel Borough Council (now part of Cornwall Council) - Environmental Health Department	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	March 2023	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) Cornwall Council - Planning Department Restormel Borough Council (now part of Cornwall Council)	January 2009 May 2023 October 2008	Annual Rolling Update Variable Not Applicable
Planning Hazardous Substance Consents Cornwall County Council (now part of Cornwall Council) Cornwall Council - Planning Department Restormel Borough Council (now part of Cornwall Council)	January 2009 May 2016 October 2008	Annual Rolling Update Variable Not Applicable

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	November 2023	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Underground Electrical Cables National Grid	February 2023	Bi-Annually

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	October 2023	Bi-Annually
Areas of Adopted Green Belt Cornwall Council - Planning Department Restormel Borough Council (now part of Cornwall Council)	August 2023 August 2023	Quarterly Quarterly
Areas of Unadopted Green Belt Cornwall Council - Planning Department Restormel Borough Council (now part of Cornwall Council)	August 2023 August 2023	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	October 2023	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 March 2023	Bi-Annually
Ramsar Sites Natural England	October 2023	Bi-Annually
Sites of Special Scientific Interest Natural England	November 2023	Bi-Annually
Special Areas of Conservation Natural England	October 2023	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	Cornwall Council - Environmental Health Department County Hall, Treyew Road, Truro, Cornwall, TR1 3AY	Telephone: 0300 1234 212 Email: envhealthandlicensing@cornwall.gov.uk Website: www.cornwall.gov.uk
4	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	Restormel Borough Council (now part of Cornwall Council) - Environmental Health Department County Hall, Treyew Road, Truro, Cornwall, TR1 3AY	Telephone: 0300 1234 100 Email: enquiries@cornwall.gov.uk Website: www.cornwall.gov.uk
7	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
8	Stantec UK Ltd Caversham Bridge House, Waterman Place, Reading, RG1 8DN	Telephone: 0118 950 0761 Email: pba.reading@stantec.com Website: www.stantec.com
9	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.

General

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

Agency and Hydrological

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

Waste

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

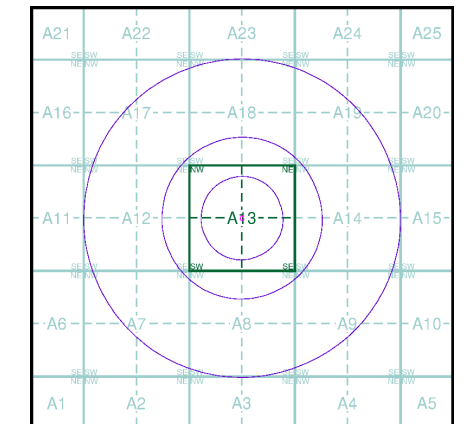
Geological

- BGS Recorded Mineral Site

Industrial Land Use

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

Site Sensitivity Map - Slice A

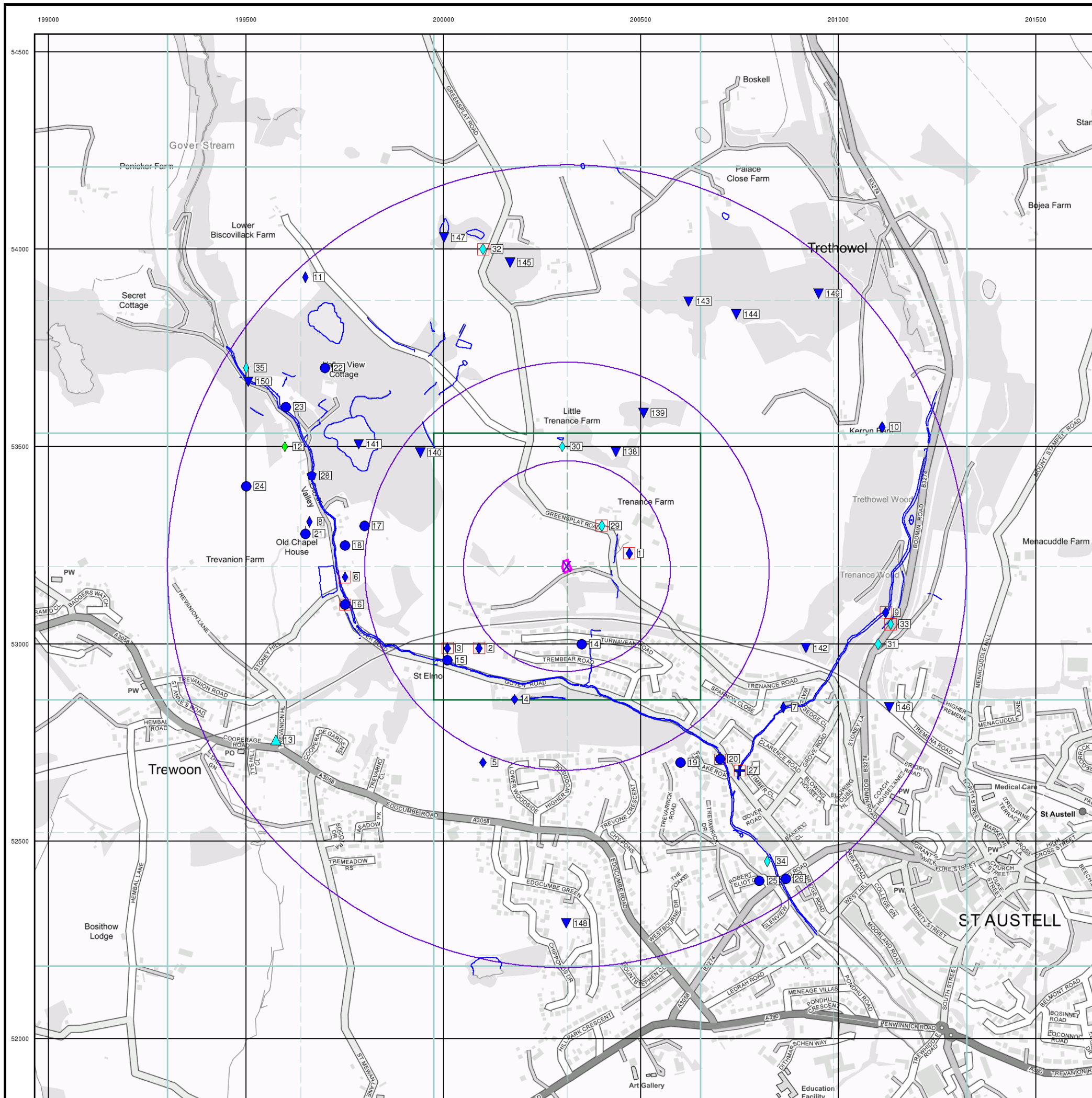


Order Details

Order Number: 336684906_1_1
 Customer Ref: SS6047
 National Grid Reference: 200310, 53200
 Slice: A
 Site Area (Ha): 0.05
 Search Buffer (m): 1000






Site Details

Site at 200313,53197







Industrial Land Use Map

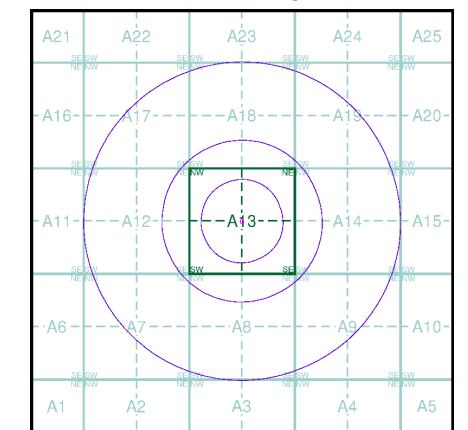
General

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

Industrial Land Use

-  Contemporary Trade Directory Entry
-  Fuel Station Entry
-  Gas Pipeline
-  Underground Electrical Cables

Industrial Land Use Map - Slice A

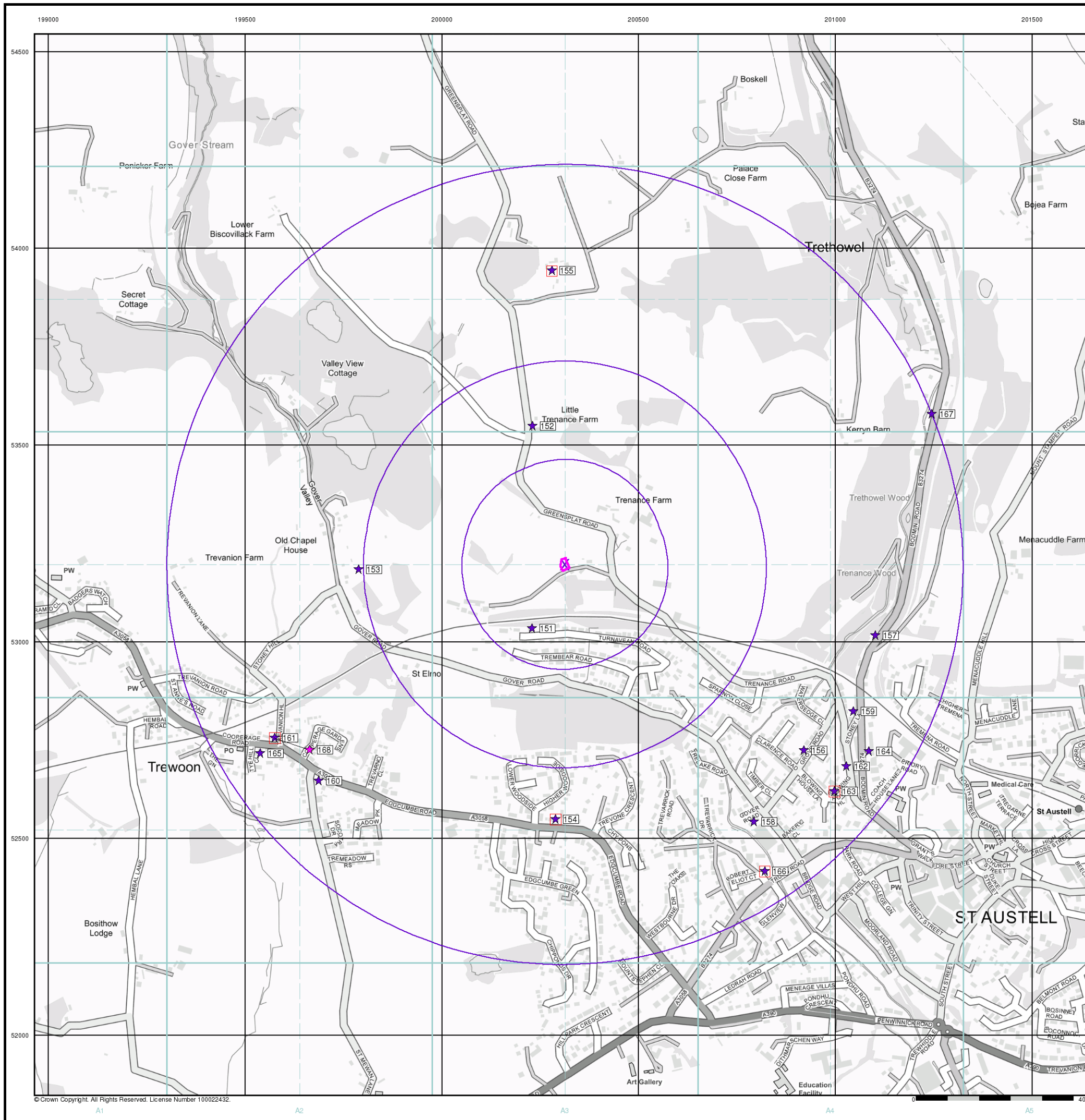


Order Details

Order Number: 336684906_1_1
 Customer Ref: SS6047
 National Grid Reference: 200310, 53200
 Slice: A
 Site Area (Ha): 0.05
 Search Buffer (m): 1000

Site Details

Site at 200313,53197



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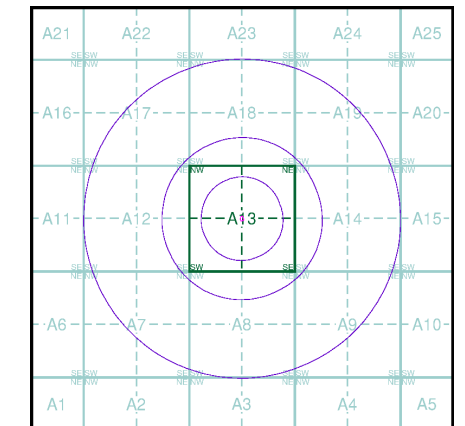
General

- 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

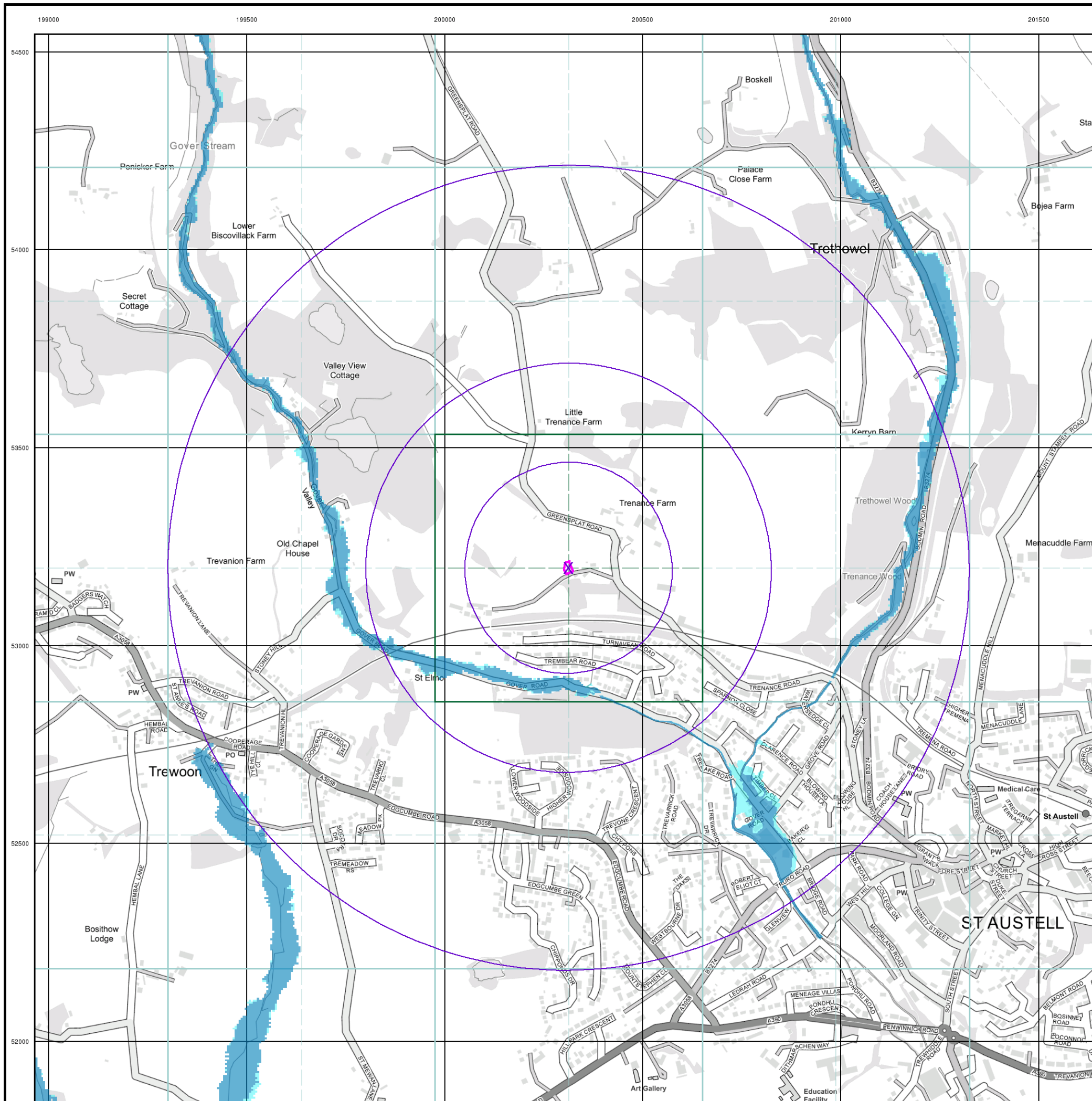


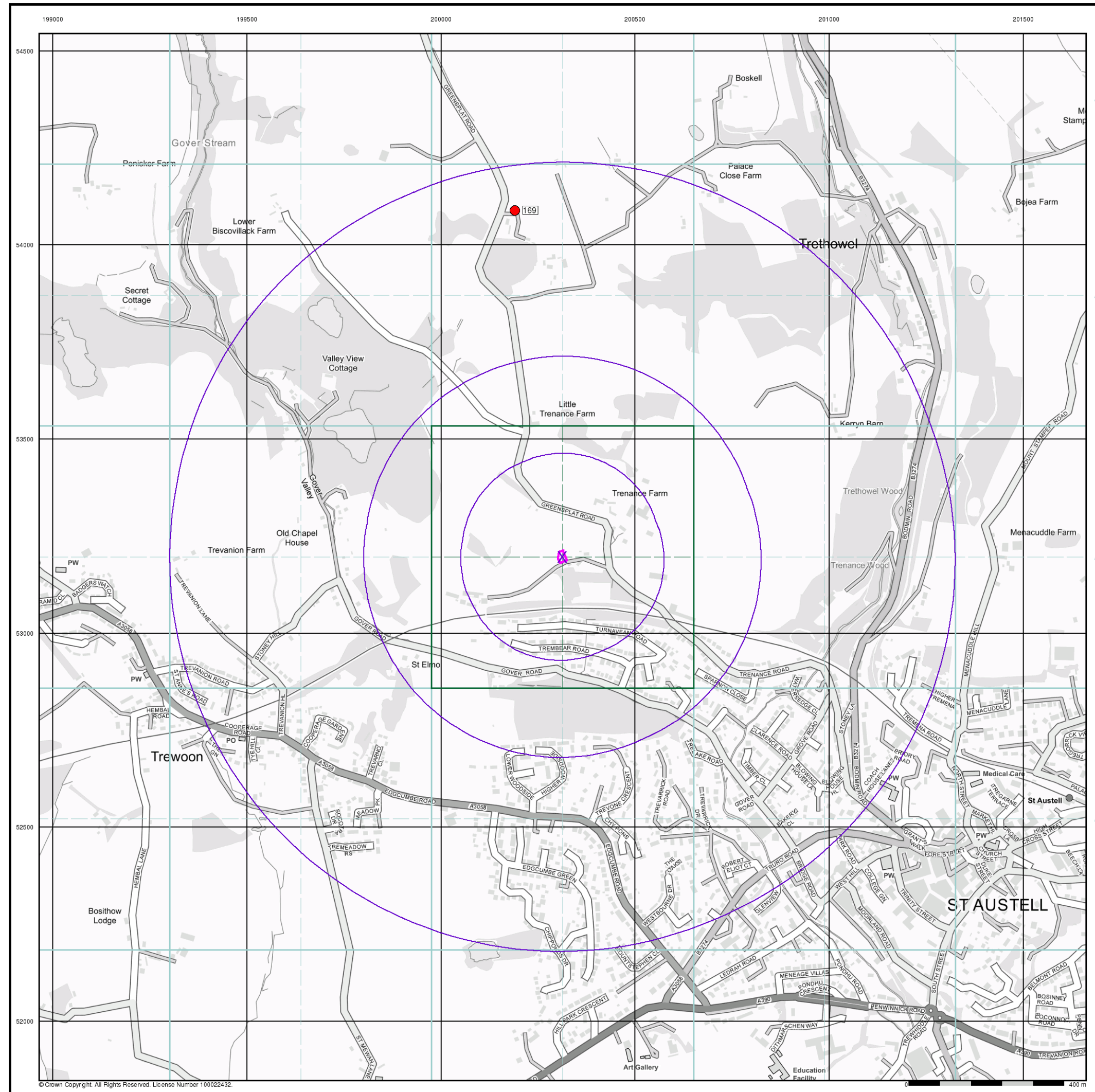
Order Details

Order Number: 336684906_1_1
 Customer Ref: SS6047
 National Grid Reference: 200310, 53200
 Slice: A
 Site Area (Ha): 0.05
 Search Buffer (m): 1000

Site Details

Site at 200313,53197





General

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

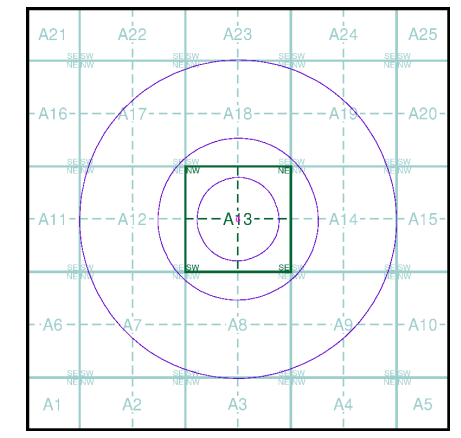
Agency and Hydrological (Boreholes)

- 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

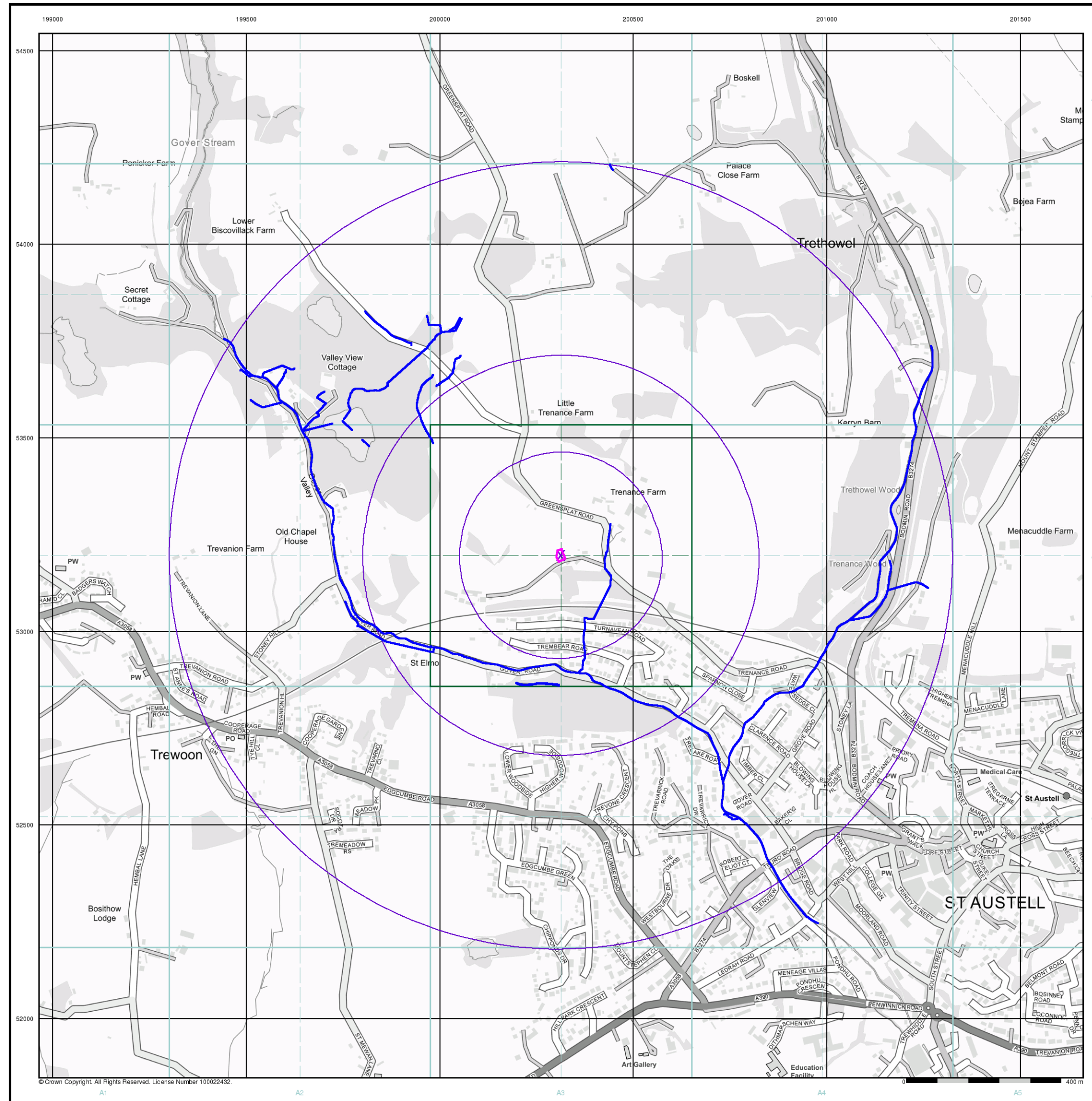


Order Details

Order Number: 336684906_1_1
 Customer Ref: SS6047
 National Grid Reference: 200310, 53200
 Slice: A
 Site Area (Ha): 0.05
 Search Buffer (m): 1000

Site Details

Site at 200313,53197



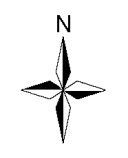
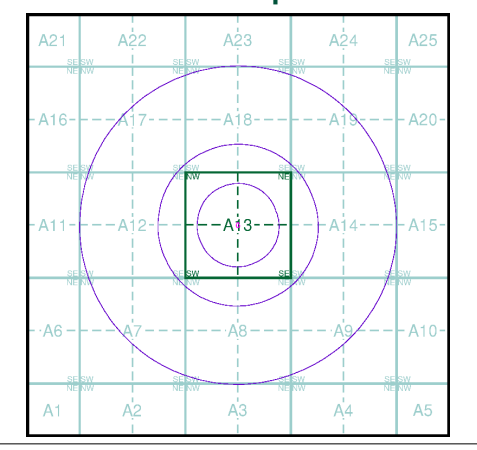
General

- 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

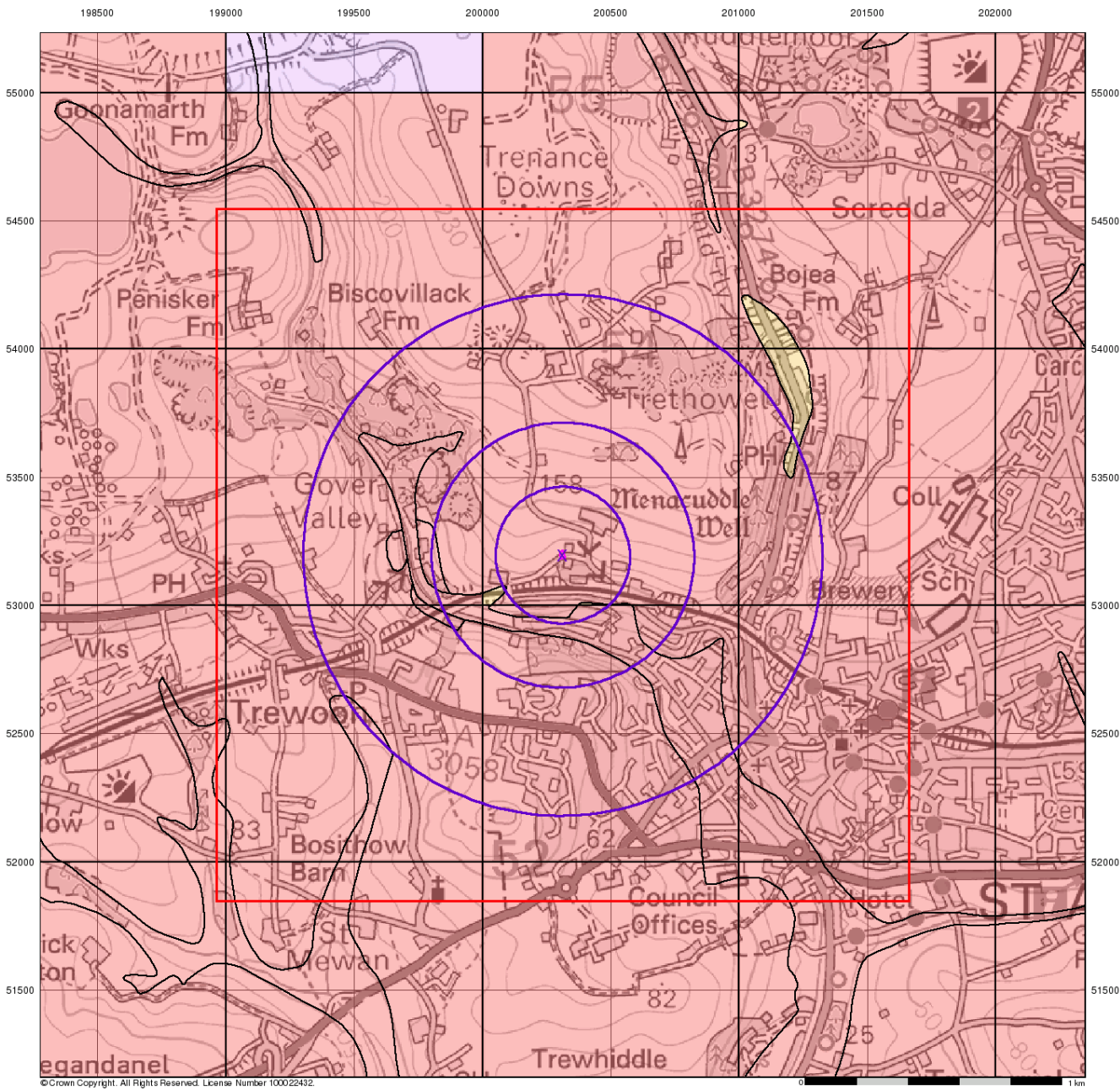


Order Details

Order Number: 336684906_1_1
 Customer Ref: SS6047
 National Grid Reference: 200310, 53200
 Slice: A
 Site Area (Ha): 0.05
 Search Buffer (m): 1000

Site Details

Site at 200313,53197



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Groundwater Vulnerability

General

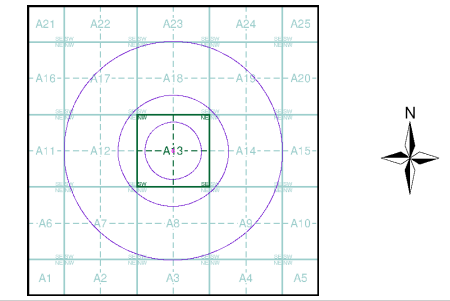
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

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

Unproductive Aquifer
Soluble Rock

Site Sensitivity Context Map - Slice A



Order Details

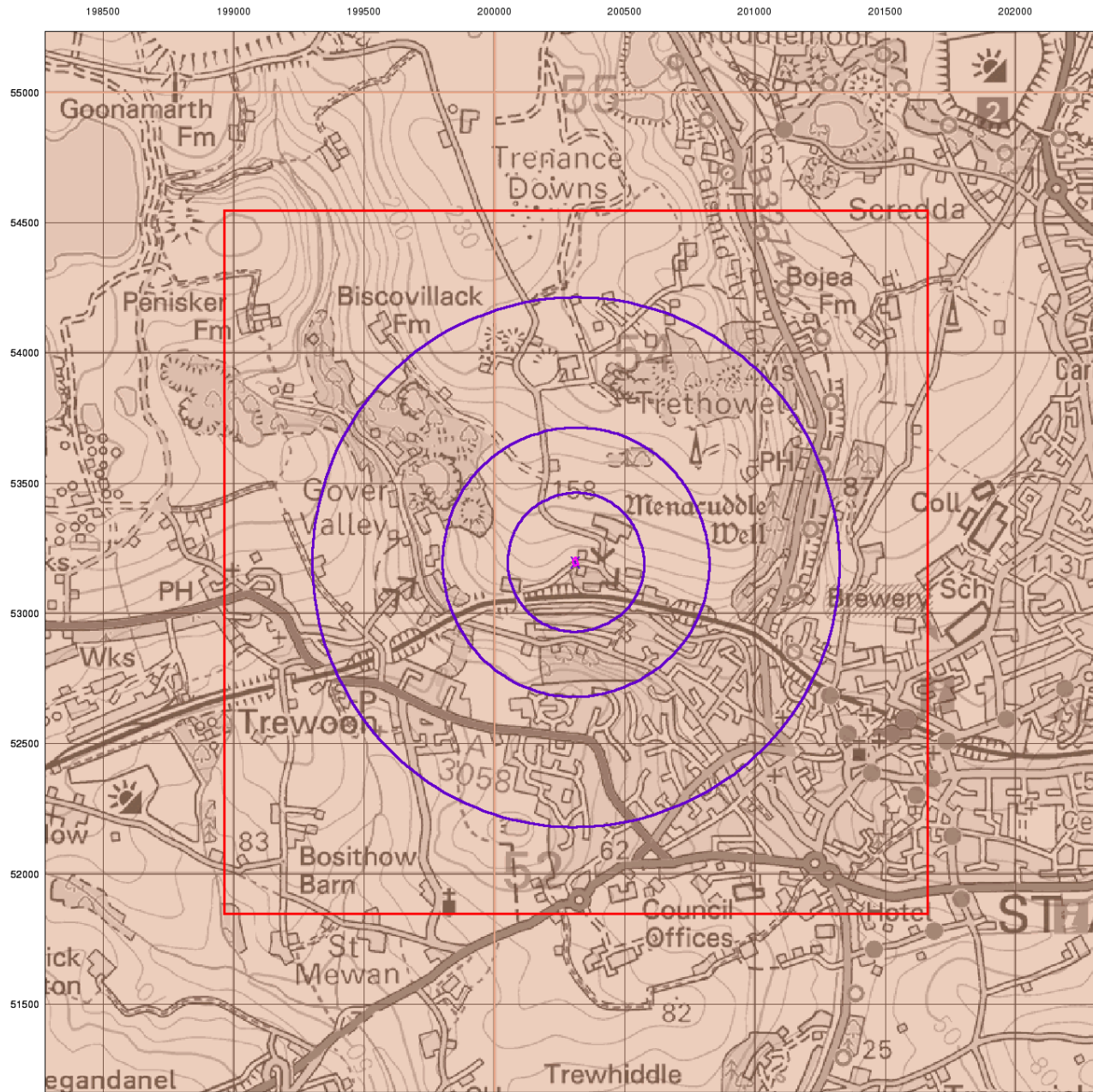
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 Customer Ref: SS6047
 National Grid Reference: 200310, 53200
 Slice: A
 Site Area (Ha): 0.05
 Search Buffer (m): 1000

Site Details

Site at 200313,53197

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
Bedrock Aquifer Designation

General

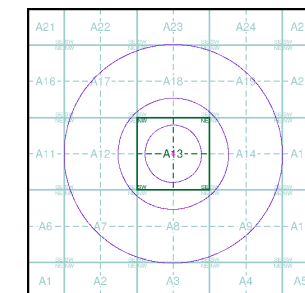
-  Specified Site
-  Specified Buffer(s)
-  Bearing Reference Point
-  Slice
-  Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

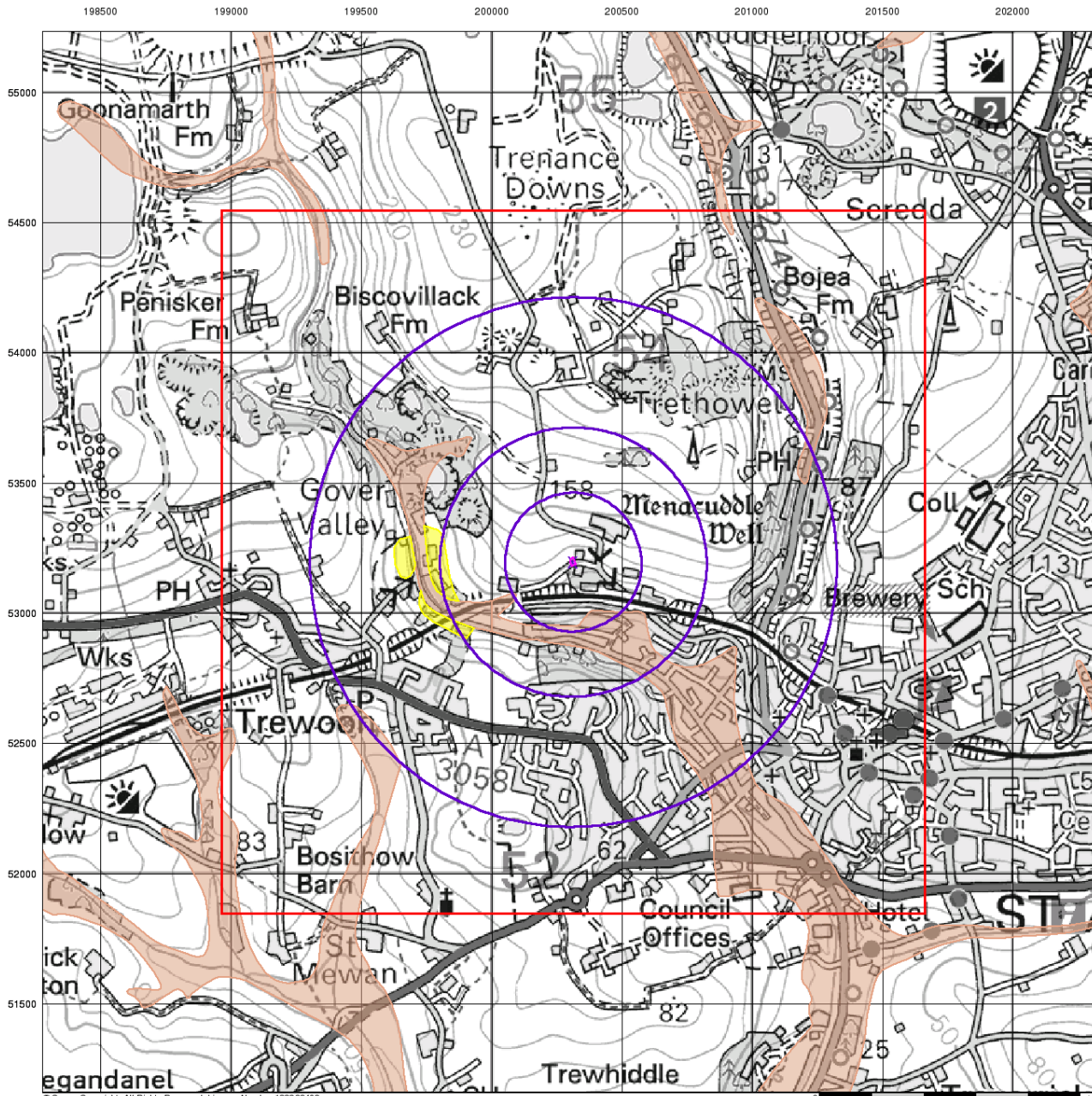
Order Number: 336684906_1_1
 Customer Ref: SS6047
 National Grid Reference: 200310, 53200
 Slice: A
 Site Area (Ha): 0.05
 Search Buffer (m): 1000

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Superficial Aquifer Designation

General

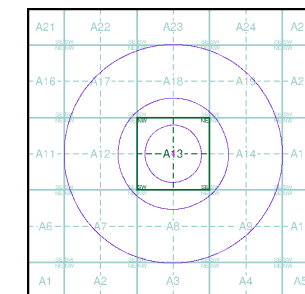
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

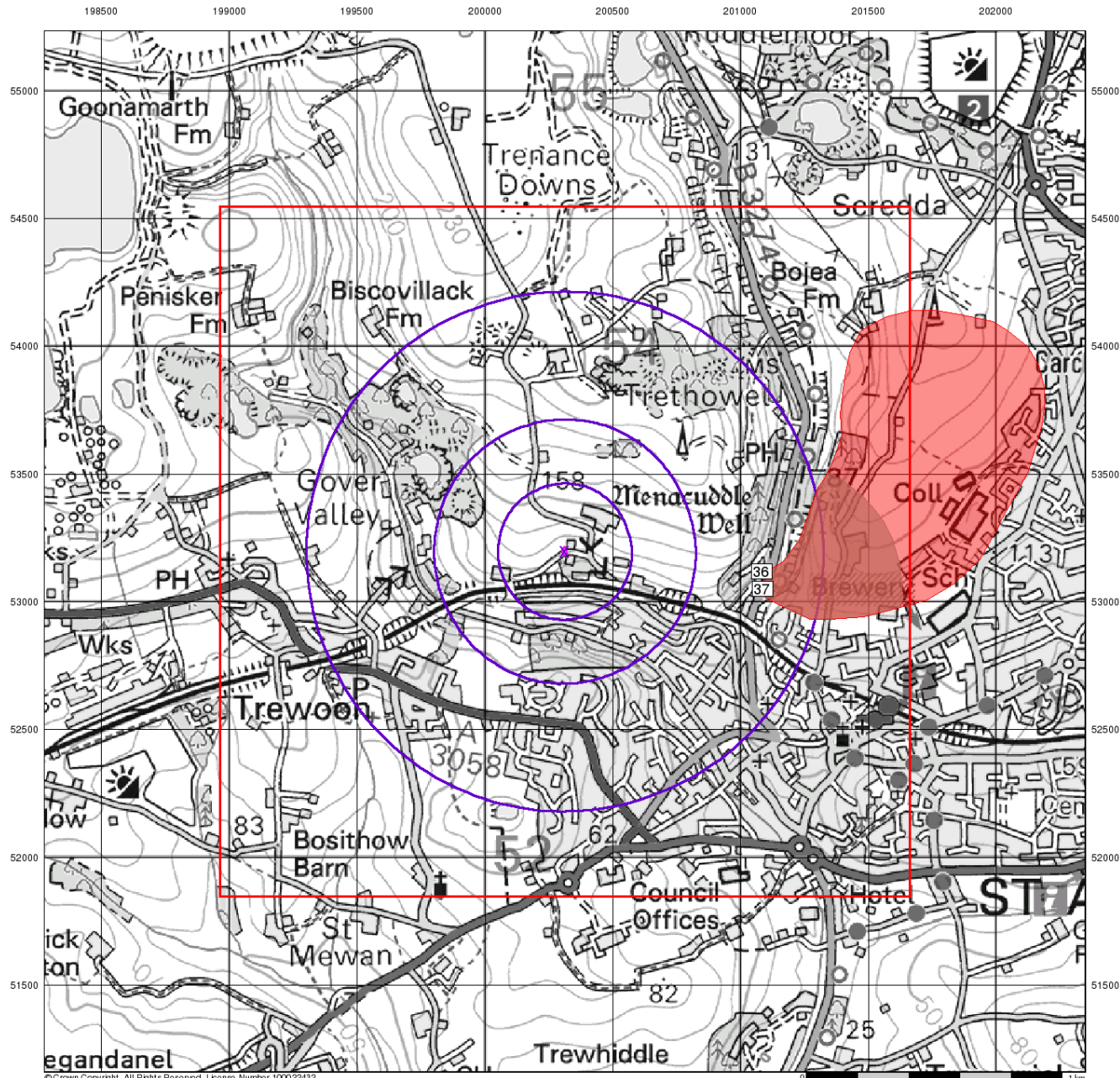
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 Customer Ref: SS6047
 National Grid Reference: 200310, 53200
 Slice: A
 Site Area (Ha): 0.05
 Search Buffer (m): 1000

Site Details

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Source Protection Zones

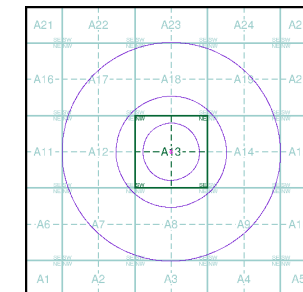
General

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

Agency and Hydrological

- 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

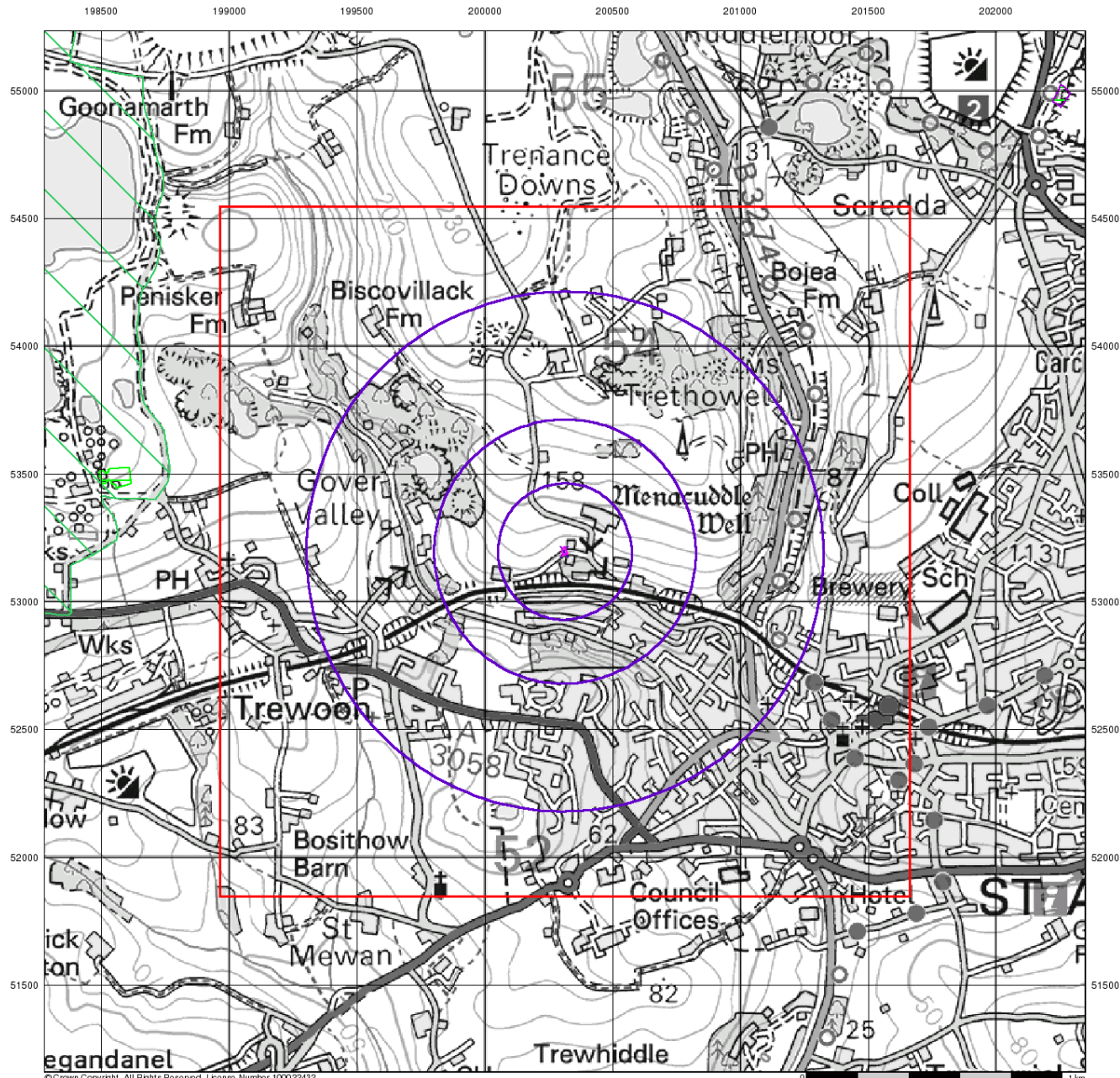
Order Number: 336684906_1_1
 Customer Ref: SS6047
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Site Details

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Sensitive Land Uses

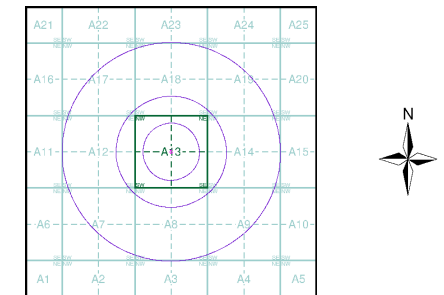
General

- 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

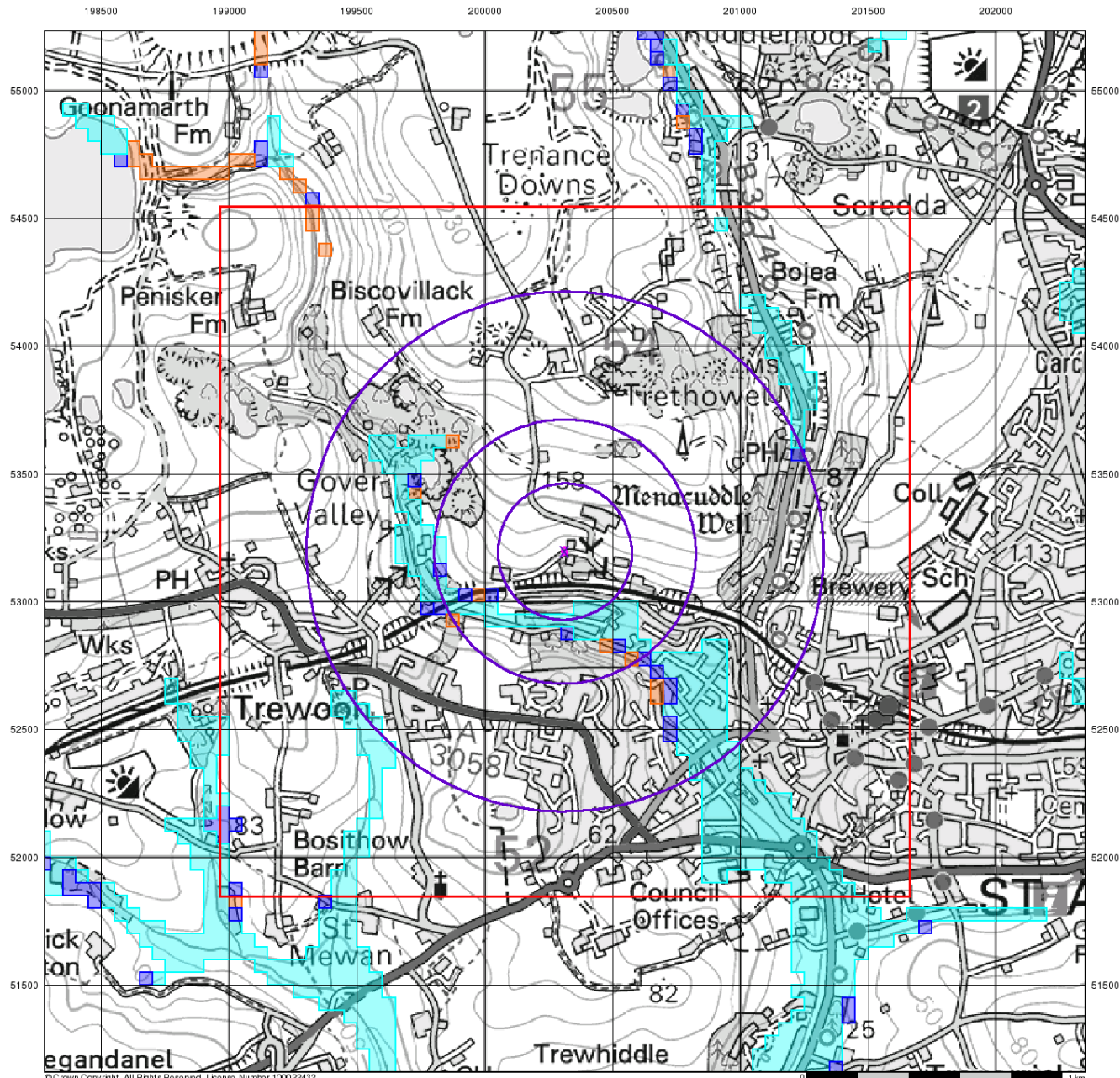
Order Number: 336684906_1_1
 Customer Ref: SS6047
 National Grid Reference: 200310, 53200
 Slice: A
 Site Area (Ha): 0.05
 Search Buffer (m): 1000

Site Details

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BGS Flood GFS Data

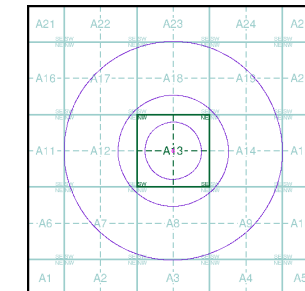
General

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

Agency and Hydrological (Flood)

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 336684906_1_1
 Customer Ref: SS6047
 National Grid Reference: 200310, 53200
 Slice: A
 Site Area (Ha): 0.05
 Search Buffer (m): 1000

Site Details

Site at 200313.53197

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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.

Prepared For

Elliot Higginson
Graham Broad
Land West of Prue on the Hill
Cornwall
PL25 5AP

Client Details

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

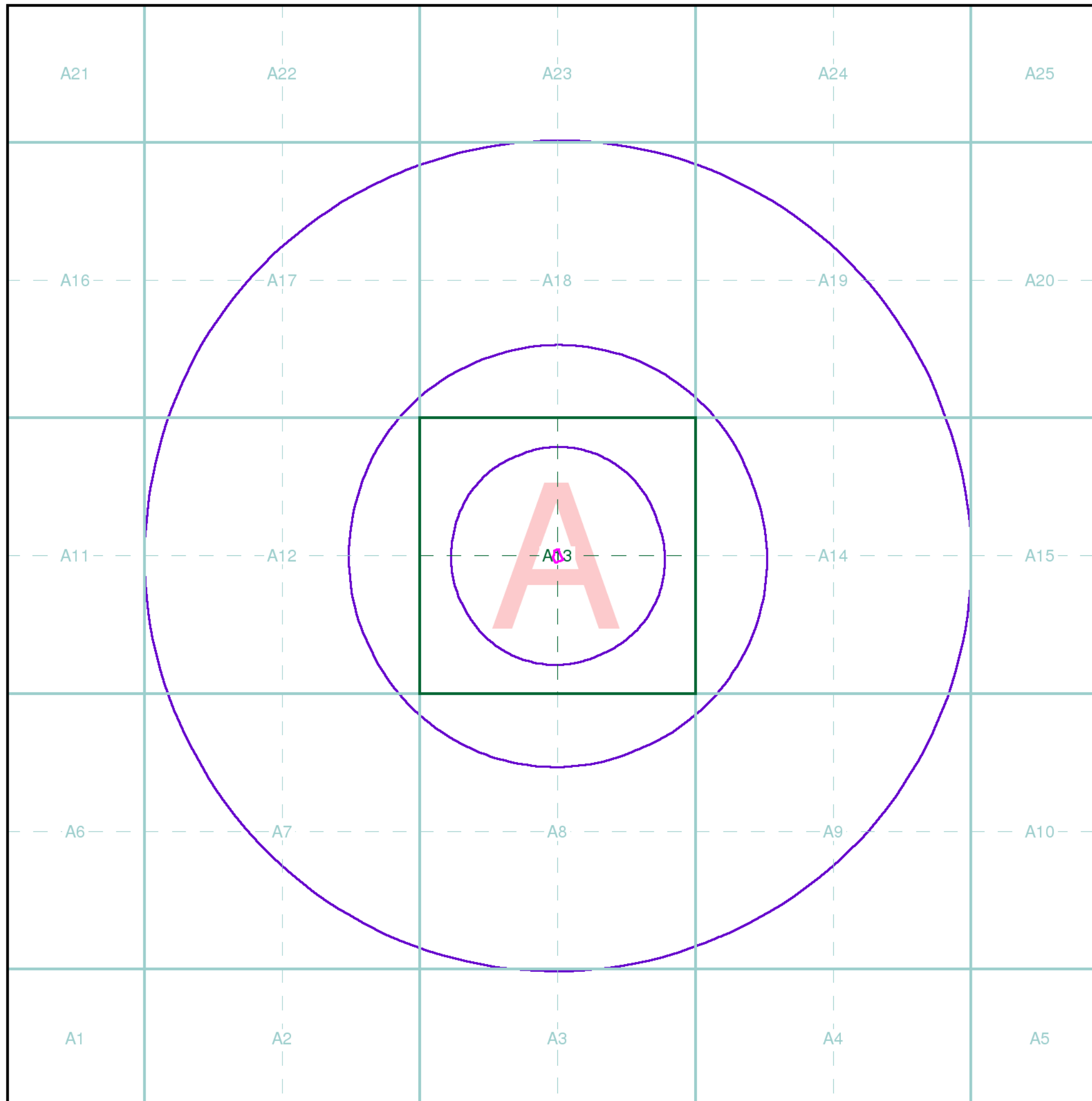
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Site Area (Ha): 0.05
Search Buffer (m): 1000

Site Details

Site at 200313,53197

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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.