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Envirocheck® Report:

Datasheet

Order Details:

Order Number:
272802835_1_1

Customer Reference:
19013

National Grid Reference:
184990, 67180

Slice:
A

Site Area (Ha):
0.44

Search Buffer (m):
1000

Site Details:
Site at 184990, 67170

Client Details:
Mr N Lambert
Soils Ltd
Newton House
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Surrey
KT20 5SR

soils LIMITED
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Contents

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.

Report Version v53.0

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 2		3		5
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 4	1			
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 4		Yes		
Pollution Incidents to Controlled Waters	pg 4	1	5	2	2
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 5	1	1		
River Quality Biology Sampling Points	pg 6		1		
River Quality Chemistry Sampling Points	pg 7	2			
Substantiated Pollution Incident Register					
Water Abstractions	pg 8		3		
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 9	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 9	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 9	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 10	Yes	Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 15	Yes	Yes	n/a	n/a
Areas Benefiting from Flood Defences	pg 17		Yes	n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences	pg 17	Yes	Yes	n/a	n/a
OS Water Network Lines	pg 18		19	18	29

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 26	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 26				5
Potentially Infilled Land (Water)					
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					

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 27	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 27	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 28				4
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 29	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 29	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 30	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 30	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 30	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 31	Yes		n/a	n/a
Radon Potential - Radon Affected Areas	pg 31	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures	pg 31	Yes	n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 32	2			4
Fuel Station Entries	pg 32	1			
Points of Interest - Commercial Services	pg 32	2			
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 32				8
Points of Interest - Public Infrastructure	pg 33				1
Points of Interest - Recreational and Environmental					
Gas Pipelines					
Underground Electrical Cables					

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
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	pg 34				2
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	A13NE (NE)	0	1	184992 67176
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (E)	0	1	185000 67176
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	1	1	184950 67150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (S)	42	1	184992 67100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	48	1	185050 67250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	71	1	185100 67250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (S)	93	1	185000 67050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (N)	96	1	185000 67300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	97	1	185050 67300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	99	1	185150 67200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	112	1	185150 67250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	113	1	185100 67300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	146	1	185000 67350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	147	1	185050 67350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	180	1	184800 67300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	196	1	185000 67400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	199	1	185250 67200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	249	1	185300 67200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	297	1	184992 67500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	299	1	185350 67200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	346	1	185000 67550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	449	1	185500 67200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (SE)	451	1	185400 66900
1	**Discharge Consents** Operator: South West Water Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Mawgan Porth Sps, Mawgan Porth, Cornwall Authority: Environment Agency, South West Region Catchment Area: Tidal Camel & Menalhyl, Cornwall Reference: 15/49/272/P/6 Permit Version: 1 Effective Date: 17th November 1971 Issued Date: 17th November 1971 Revocation Date: 1st October 2000 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trib Of River Menalhyl **Status:** **Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	71	2	184900 67100
2	**Discharge Consents** Operator: South West Water Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Mawgan Porth Car Park Pseo, Mawgan Porth, Newquay, Cornwall, Tr8 4ba Authority: Environment Agency, South West Region Catchment Area: Tidal Camel & Menalhyl, Cornwall Reference: 301545 Permit Version: 2 Effective Date: 31st March 2011 Issued Date: 25th March 2010 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Local Stream (S) **Status:** **Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A13SE (S)	73	2	184993 67069
2	**Discharge Consents** Operator: South West Water Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Mawgan Porth Car Park Pseo, Mawgan Porth, Newquay, Cornwall, Tr8 4ba Authority: Environment Agency, South West Region Catchment Area: Tidal Camel & Menalhyl, Cornwall Reference: 301545 Permit Version: 1 Effective Date: 1st October 2000 Issued Date: 1st October 2000 Revocation Date: 30th March 2011 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Local Stream (S) **Status:** **New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A13SE (S)	73	2	184993 67069
3	**Discharge Consents** Operator: South West Water Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Trenance Sps, St Mawgan, Cornwall Authority: Environment Agency, South West Region Catchment Area: Tidal Camel & Menalhyl, Cornwall Reference: 15/49/272/P/32 Permit Version: 1 Effective Date: 10th October 1972 Issued Date: 10th October 1972 Revocation Date: 1st October 2000 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trenance 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	A18SE (N)	501	2	185100 67700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	**Discharge Consents** Operator: South West Water Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Trenance Porth Pseo, Mawgan Porth, Newquay, Cornwall, Tr8 4dd Authority: Environment Agency, South West Region Catchment Area: Tidal Camel & Menalhyl, Cornwall Reference: 301548 Permit Version: 2 Effective Date: 31st March 2011 Issued Date: 25th March 2010 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Local Stream (S) **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A18SW (N)	521	2	184972 67722
4	**Discharge Consents** Operator: South West Water Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Trenance Porth Pseo, Mawgan Porth, Newquay, Cornwall, Tr8 4dd Authority: Environment Agency, South West Region Catchment Area: Tidal Camel & Menalhyl, Cornwall Reference: 301548 Permit Version: 1 Effective Date: 1st October 2000 Issued Date: 1st October 2000 Revocation Date: 30th March 2011 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Local Stream (S) **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A18SW (N)	521	2	184972 67722
5	**Discharge Consents** Operator: South West Water Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Trevarrion Ps, Trevarrion, Cornwall Authority: Environment Agency, South West Region Catchment Area: Tidal Camel & Menalhyl, Cornwall Reference: Nra-Sw-1624 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 Environment: Freshwater Stream/River Receiving Water: Porth 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	A8SW (S)	894	2	184920 66250
6	**Discharge Consents** Operator: Lacefern Ltd Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: The Offices Merlin Farm, Mawgan Porth, Newquay, Cornwall, Tr8 4dn Authority: Environment Agency, South West Region Catchment Area: Tidal Camel & Menalhyl, Cornwall Reference: Npswqd004298 Permit Version: 1 Effective Date: 14th October 2008 Issued Date: 14th October 2008 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Groundwater Via Soakaway **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A15NW (E)	986	2	186035 67265

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**Local Authority Pollution Prevention and Controls** Name: Mawgan Porth Garage Location: Mawgan Porth, NEWQUAY, Cornwall, . 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	A13NE (NE)	0	3	185007 67187
	Nearest Surface Water Feature	A13SW (W)	3	-	184929 67167
8	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Outfalls Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Crude Sewage Note: Inadequate Design/Capacity Incident Date: 17th August 1992 Incident Reference: 62004669 Catchment Area: Tidal Camel & Menalhyl, Cornwall Receiving Water: Tidal Waters Cause of Incident: Act Of God Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	0	2	185001 67196
8	**Pollution Incidents to Controlled Waters** Property Type: Cattle Grazing Land Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Animals Note: Natural Causes Incident Date: 30th April 1994 Incident Reference: 62015138 Catchment Area: Tidal Camel & Menalhyl, Cornwall Receiving Water: Tidal Waters Cause of Incident: Storm Water Discharge Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (N)	5	2	185001 67201
9	**Pollution Incidents to Controlled Waters** Property Type: Other Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Other Note: Natural Causes Incident Date: 7th May 1992 Incident Reference: 62004512 Catchment Area: Tidal Camel & Menalhyl, Cornwall Receiving Water: Tidal Waters Cause of Incident: Mechanical/Electrical Plant Failure Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (W)	38	2	184900 67150
10	**Pollution Incidents to Controlled Waters** Property Type: Cattle Grazing Land Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Animal Waste/Slurry Note: Weather Incident Date: 12th May 1994 Incident Reference: 62015149 Catchment Area: Tidal Camel & Menalhyl, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (S)	48	2	185001 67096
11	**Pollution Incidents to Controlled Waters** Property Type: Cattle (Dairy) Farming: Slurry Store/Waste Tank Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Animal Waste/Slurry Note: Poor/Inadequate Maintenance Incident Date: 12th May 1994 Incident Reference: 62015150 Catchment Area: Tidal Camel & Menalhyl, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	158	2	184900 67000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	**Pollution Incidents to Controlled Waters** Property Type: Cattle (Dairy) Farming: Slurry Store/Waste Tank Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Animal Waste/Slurry Note: Not Supplied Incident Date: 19th August 1992 Incident Reference: 62004672 Catchment Area: Tidal Camel & Menalhyl, 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	A13NE (N)	199	2	185001 67401
13	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Outfallls Location: NEWQUAY Authority: Environment Agency, South West Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 30th April 1994 Incident Reference: 62015139 Catchment Area: Tidal Camel & Menalhyl, Cornwall Receiving Water: Tidal Waters Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NE (NW)	459	2	184600 67495
13	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: NEWQUAY Authority: Environment Agency, South West Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 29th July 1993 Incident Reference: 62010146 Catchment Area: Tidal Camel & Menalhyl, Cornwall Receiving Water: Tidal Waters Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NE (NW)	463	2	184600 67500
14	**Pollution Incidents to Controlled Waters** Property Type: WSC Sewage, Sewerage & Supply: Pumping Stations Location: Mawgan Porth, NEWQUAY, Cornwall, TR8 Authority: Environment Agency, South West Region Pollutant: General Biodegradable : Crude Sewage Note: Not Supplied Incident Date: 30th May 1999 Incident Reference: 45950 Catchment Area: Tidal Camel & Menalhyl, Cornwall Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Approximate location provided by supplier	A18SE (N)	600	2	185100 67800
15	**Pollution Incidents to Controlled Waters** Property Type: Miscellaneous Drainage: Other Location: Mawgan Porth Bridge-Normal Tidal Limit, MAWGAN PORTH Authority: Environment Agency, South West Region Pollutant: Not Given Note: Not Supplied Incident Date: 26th September 1996 Incident Reference: 18140 Catchment Area: Tidal Camel & Menalhyl, Cornwall Receiving Water: Not Given Cause of Incident: Pollution Risk: Water Quality Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	945	2	184000 67000
	River Quality Name: Menalhyl GQA Grade: River Quality A Reach: St. Mawgan Bridge-Mawgan Porth Bridge Estimated Distance (km): 2.8 Flow Rate: Flow less than 1.25 cumecs Flow Type: River Year: 2000	A13NE (NE)	0	2	185022 67208

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	River Quality Name: Menalhyl GQA Grade: River Quality A Reach: Mawgan Porth Bridge-Normal Tidal Limit Estimated Distance (km): .2 Flow Rate: Flow less than 1.25 cumecs Flow Type: River Year: 2000	A13NE (NE)	16	2	185013 67217
16	**River Quality Biology Sampling Points** Name: Menalhyl Reach: Mawgan Porth Bridge To Normal Tidal Limit Estimated Distance: 0.00 Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 1995 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2000 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2002 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2003 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2004 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2005 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2006 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2007 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2008 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2009 GQA Grade: River Quality Biology GQA Grade B - Good	A13SW (W)	7	2	184930 67160

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	**River Quality Chemistry Sampling Points** Name: Menalhyl Reach: St. Mawgan Bridge To Mawgan Porth Bridge Estimated Distance: 2.80 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied	A13SW (W)	0	2	184949 67160

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	**River Quality Chemistry Sampling Points** Name: Menalhyl Reach: Mawgan Porth Bridge To Normal Tidal Limit Estimated Distance: 0.00 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied	A13SW (W)	0	2	184949 67160
17	**Water Abstractions** Operator: Mr M T Farmer Licence Number: 15/49/272/S/013 Permit Version: 101 Location: Mawgan Porth Caravan Site, Mawgan-In-Pydar Authority: Environment Agency, South West Region Abstraction: Holiday Sites, Camp Sites & Tourist Attractions: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Mawgan Porth Caravansite- Pitch And Putt Authorised Start: 01 May Authorised End: 30 September Permit Start Date: 3rd September 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SE (S)	44	2	185000 67100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	**Water Abstractions** Operator: John Lennon Ltd Licence Number: 15/49/272/S/013 Permit Version: 100 Location: Mawgan Porth Caravan Site, Mawgan-In-Pydar Authority: Environment Agency, South West Region Abstraction: Holiday Sites, Camp Sites & Tourist Attractions: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Mawgan Porth Caravansite- Pitch And Putt Authorised Start: 01 May Authorised End: 30 September Permit Start Date: 2nd March 1977 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SE (S)	44	2	185000 67100
17	**Water Abstractions** Operator: JOHN LENNON LTD Licence Number: 1549272S013 Permit Version: Not Supplied Location: Mawgan Porth Caravansite Authority: Environment Agency, South West Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: River Daily Rate (m3): 9.10 Yearly Rate (m3): 227.00 Details: May 1 To Sept 30; River Menalhyl 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	A13SE (S)	50	2	185006 67096
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: No Data Baseflow Index: No Data Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	A13NE (NE)	0	4	184992 67176
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: 40-70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	A13NE (E)	0	4	185000 67176
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NE (NE)	0	4	184992 67176
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NE (E)	0	4	185000 67176
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NE (NE)	0	4	184992 67176

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NE (E)	0	4	185000 67176
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13NE (NE)	0	2	185021 67195
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13NE (N)	0	2	184992 67192
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	0	2	184958 67148
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13NE (SW)	0	2	184991 67175
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13NE (E)	0	2	185001 67178
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13NE (E)	0	2	185020 67188
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13NE (NE)	0	2	185026 67192
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial / Tidal Models and Tidal / Coastal Events Boundary Accuracy: As Supplied	A13NE (NE)	0	2	184992 67176
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13NE (NE)	0	2	185010 67197
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Tidal / Coastal Events Boundary Accuracy: As Supplied	A13NE (NE)	0	2	185015 67196
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Tidal / Coastal Events Boundary Accuracy: As Supplied	A13SW (W)	0	2	184950 67166
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Tidal / Coastal Events Boundary Accuracy: As Supplied	A13SE (E)	0	2	185025 67168
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Tidal / Coastal Events Boundary Accuracy: As Supplied	A13NW (W)	0	2	184965 67175
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Tidal / Coastal Events Boundary Accuracy: As Supplied	A13NE (E)	0	2	185015 67186
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Tidal / Coastal Events Boundary Accuracy: As Supplied	A13NE (E)	0	2	185023 67189
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Tidal / Coastal Events Boundary Accuracy: As Supplied	A13NE (NE)	0	2	185023 67194

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Tidal / Coastal Events Boundary Accuracy: As Supplied	A13NE (NE)	0	2	185003 67195
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial / Tidal Models and Tidal Events Boundary Accuracy: As Supplied	A13NW (N)	0	2	184987 67190
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (SW)	0	2	184975 67158
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (E)	0	2	185008 67176
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial / Tidal Models and Tidal Events Boundary Accuracy: As Supplied	A13SW (S)	0	2	184985 67142
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial / Tidal Models and Tidal Events Boundary Accuracy: As Supplied	A13NW (W)	0	2	184958 67174
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (N)	0	2	184992 67193
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Tidal Events Boundary Accuracy: As Supplied	A13SW (SW)	0	2	184968 67145
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13NE (N)	2	2	184990 67193
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial / Tidal Models and Tidal Events Boundary Accuracy: As Supplied	A13NW (W)	7	2	184944 67186
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13NW (W)	8	2	184955 67189
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	8	2	184980 67195
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	9	2	184973 67194
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal / Coastal Events Boundary Accuracy: As Supplied	A13NW (NW)	9	2	184960 67190
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Tidal / Coastal Events Boundary Accuracy: As Supplied	A13NW (W)	9	2	184959 67190
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (W)	9	2	184958 67190

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models and Tidal / Coastal Events Boundary Accuracy: As Supplied	A13NW (NW)	9	2	184960 67190
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (NW)	10	2	184965 67193
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (W)	11	2	184948 67190
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial / Tidal Models and Tidal / Coastal Events Boundary Accuracy: As Supplied	A13SW (SW)	12	2	184969 67132
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	13	2	184933 67148
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial / Tidal Models and Tidal / Coastal Events Boundary Accuracy: As Supplied	A13SW (SW)	13	2	184933 67148
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Tidal / Coastal Events Boundary Accuracy: As Supplied	A13SW (SW)	13	2	184944 67138
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (SW)	13	2	184936 67145
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (SW)	13	2	184933 67148
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13NW (W)	14	2	184915 67179
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (SW)	18	2	184946 67130
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SW (W)	20	2	184919 67153
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (NW)	22	2	184945 67200
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	27	2	184942 67205
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models and Tidal Events Boundary Accuracy: As Supplied	A13SW (W)	28	2	184905 67160
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (W)	29	2	184905 67158

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (W)	29	2	184900 67170
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (NW)	31	2	184940 67209
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (W)	33	2	184898 67165
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models and Tidal Events Boundary Accuracy: As Supplied	A13NW (NW)	39	2	184940 67217
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Events Boundary Accuracy: As Supplied	A13NW (NW)	48	2	184948 67228
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Events Boundary Accuracy: As Supplied	A13NW (W)	57	2	184875 67195
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models and Tidal Events Boundary Accuracy: As Supplied	A13NW (W)	57	2	184875 67195
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (W)	57	2	184875 67195
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Events Boundary Accuracy: As Supplied	A13NW (W)	60	2	184873 67197
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13NW (W)	64	2	184869 67200
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (W)	66	2	184868 67200
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Tidal Events Boundary Accuracy: As Supplied	A13NW (W)	67	2	184868 67202
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13NW (W)	68	2	184867 67203
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Events Boundary Accuracy: As Supplied	A13NW (W)	70	2	184865 67204
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Tidal Events Boundary Accuracy: As Supplied	A13NW (W)	71	2	184865 67205
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (W)	71	2	184864 67205

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13NW (W)	75	2	184861 67208
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Events Boundary Accuracy: As Supplied	A13NW (W)	77	2	184860 67209
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models and Tidal Events Boundary Accuracy: As Supplied	A13NW (W)	77	2	184860 67210
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (W)	79	2	184858 67210
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Events Boundary Accuracy: As Supplied	A13NW (W)	81	2	184858 67213
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models and Tidal Events Boundary Accuracy: As Supplied	A13NW (W)	84	2	184855 67215
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Events Boundary Accuracy: As Supplied	A13NW (W)	86	2	184853 67215
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (W)	86	2	184853 67215
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (W)	91	2	184849 67218
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Events Boundary Accuracy: As Supplied	A13NW (W)	95	2	184845 67220
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models and Tidal Events Boundary Accuracy: As Supplied	A13NW (W)	95	2	184845 67220
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (W)	96	2	184845 67220
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	101	2	184849 67237
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models and Tidal Events Boundary Accuracy: As Supplied	A13NW (W)	102	2	184840 67225
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (W)	102	2	184840 67225
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (N)	115	2	184959 67303

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (W)	118	2	184830 67240
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	127	2	184825 67248
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	136	2	184815 67250
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	145	2	184810 67258
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (N)	153	2	184959 67344
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	157	2	184800 67265
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	164	2	185175 67080
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	172	2	184795 67283
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	173	2	185073 66990
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	184	2	184790 67295
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	217	2	185208 67033
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	229	2	184765 67335
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	233	2	185220 67023
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	249	2	185233 67013
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (N)	0	2	184992 67188
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (SW)	0	2	184980 67160

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (E)	0	2	185008 67176
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13NE (NE)	0	2	184992 67176
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (W)	6	2	184960 67188
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (SW)	8	2	184955 67138
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (NW)	10	2	184965 67193
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (W)	11	2	184948 67190
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (W)	19	2	184910 67175
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (W)	25	2	184910 67158
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (NW)	31	2	184940 67209
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	43	2	184940 67223
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	52	2	184943 67230
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (W)	66	2	184868 67200
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (W)	71	2	184865 67205
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (W)	77	2	184860 67210
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (W)	84	2	184855 67215
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (W)	95	2	184845 67220

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (W)	102	2	184840 67225
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (W)	118	2	184830 67240
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	127	2	184825 67248
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	136	2	184815 67250
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	145	2	184810 67258
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	157	2	184800 67265
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	172	2	184795 67283
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	184	2	184790 67295
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (E)	199	2	185245 67155
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	200	2	185198 67048
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	229	2	184765 67335
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	242	2	185120 66935
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	249	2	185125 66930
	Areas Benefiting from Flood Defences Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A13SE (SE)	52	2	185039 67107
	Flood Water Storage Areas None				
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13SW (S)	0	2	184986 67141
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13NW (W)	7	2	184925 67181
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13SW (S)	11	2	184983 67129

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 144.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Menalhyl Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A13SW (S)	6	5	184984 67135
19	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A13SW (W)	6	5	184925 67169
20	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 145.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Menalhyl Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A13SW (W)	6	5	184925 67169
21	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 107.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Menalhyl Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A13SE (SE)	46	5	185055 67121
22	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A13SE (SE)	46	5	185051 67117
23	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.6 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A13SE (SE)	47	5	185051 67117
24	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 68.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A13SE (SE)	49	5	185049 67114
25	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A13SE (S)	73	5	184998 67070
26	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 106.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A13SE (S)	77	5	185000 67066

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	**OS Water Network Lines** Watercourse Form: Tidal river Watercourse Length: 549.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Menalhyl Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A13NW (NW)	142	5	184864 67301
28	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 631.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A13SE (SE)	144	5	185151 67078
29	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1049.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Menalhyl Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A13SE (SE)	145	5	185151 67078
30	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 62.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A13SE (SE)	156	5	185115 67027
31	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 35.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A13SE (SE)	160	5	185106 67019
32	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 37.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A13SE (SE)	160	5	185106 67019
33	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A13SE (SE)	169	5	185078 66996
34	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 86.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A13SE (SE)	170	5	185077 66995
35	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 20.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A13SE (SE)	189	5	185139 67005

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 119.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A13SE (SE)	238	5	185182 66975
37	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A13SE (SE)	252	5	185135 66931
38	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 42.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A13SE (SE)	252	5	185133 66929
39	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 122.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A13SE (SE)	280	5	185211 66945
40	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 34.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A13SE (SE)	293	5	185160 66897
41	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A13SE (SE)	293	5	185160 66897
42	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 130.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A13SE (SE)	312	5	185240 66928
43	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 62.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A13SE (SE)	327	5	185179 66868
44	**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: Gannel Porth and Menalhyl Primacy: 1	A13SE (SE)	327	5	185179 66868

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 147.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A13SE (SE)	374	5	185281 66881
46	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 21.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A8NE (SE)	389	5	185220 66820
47	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 152.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A13SE (SE)	397	5	185294 66862
48	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 17.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A8NE (SE)	410	5	185234 66804
49	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A8NE (SE)	427	5	185246 66792
50	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 57.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A8NE (SE)	432	5	185250 66788
51	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 104.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A9NW (SE)	475	5	185355 66811
52	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A8NE (SE)	487	5	185291 66748
53	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 118.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A8NE (SE)	488	5	185290 66746

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
54	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 96.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A18SW (N)	492	5	184905 67681
55	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 26.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A18SW (N)	515	5	184957 67714
56	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A18SW (N)	526	5	184979 67728
57	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A18SW (N)	531	5	184985 67733
58	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 79.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A18SW (N)	537	5	184989 67740
59	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A18SE (N)	595	5	185037 67799
60	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 62.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A9NW (SE)	596	5	185389 66684
61	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 45.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A9NW (SE)	596	5	185389 66684
62	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A18SE (N)	600	5	185043 67804

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
63	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 63.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A9NW (SE)	636	5	185428 66662
64	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 58.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 2	A9NW (SE)	636	5	185428 66662
65	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 345.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A9NW (SE)	636	5	185375 66624
66	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 626.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A9NW (SE)	688	5	185472 66632
67	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 364.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A14SE (E)	719	5	185761 67088
68	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 235.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A14SE (E)	719	5	185761 67088
69	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 152.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A7SE (SW)	784	5	184648 66428
70	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A8SW (SW)	785	5	184662 66421
71	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 302.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A8SW (SW)	785	5	184667 66418

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
72	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 13.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A14NE (E)	801	5	185846 67301
73	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 19.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A14NE (E)	806	5	185849 67314
74	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 28.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A14NE (E)	812	5	185850 67342
75	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 91.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A14NE (E)	817	5	185858 67327
76	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A7SE (SW)	823	5	184515 66454
77	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 113.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A7SE (SW)	825	5	184510 66454
78	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 176.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A7NE (SW)	848	5	184410 66498
79	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A7SE (SW)	848	5	184410 66498
80	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A8SW (S)	898	5	184902 66248

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
81	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 20.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A8SW (S)	898	5	184902 66248
82	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 466.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A7NW (SW)	932	5	184262 66520
83	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 105.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gannel Porth and Menalhyl Primacy: 1	A7NW (SW)	938	5	184247 66528

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	184992 67176
	Local Authority Landfill Coverage Name: Cornwall County Council - Had landfill data but passed it to the relevant environment agency		0	7	184992 67176
84	**Potentially Infilled Land (Non-Water)** Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1983	A18SW (N)	525	-	184918 67717
85	**Potentially Infilled Land (Non-Water)** Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1983	A8NW (SW)	673	-	184663 66543
86	**Potentially Infilled Land (Non-Water)** Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1983	A12SW (W)	728	-	184205 67089
87	**Potentially Infilled Land (Non-Water)** Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1983	A7SE (SW)	774	-	184569 66477
88	**Potentially Infilled Land (Non-Water)** Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1974	A14NE (E)	904	-	185917 67460

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Lower Devonian Rocks (Undifferentiated)	A13NE (NE)	0	1	184992 67176
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 35 - 45 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (N)	0	1	184991 67190
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (NE)	0	1	184992 67176
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 45 - 60 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (W)	35	1	184894 67177
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 35 - 45 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (S)	142	1	184992 67000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 45 - 60 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (NE)	173	1	185148 67344
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 45 - 60 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14SW (SE)	343	1	185337 67003

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 35 - 45 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14SW (SE)	345	1	185337 67000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 35 - 45 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18SE (N)	351	1	184992 67556
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: no data Cadmium Concentration: <1.8 mg/kg Chromium Concentration: no data Lead Concentration: <100 mg/kg Nickel Concentration: no data	A12NE (W)	642	1	184325 67396
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A7NE (SW)	680	1	184424 66717
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 45 - 60 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14SE (E)	981	1	186000 66949
89	**BGS Recorded Mineral Sites** Site Name: Mawgan Porth Location: Mawgan Porth, Newquay, Cornwall Source: British Geological Survey, National Geoscience Information Service Reference: 83729 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Devonian Geology: Staddon Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18SW (N)	530	1	184912 67721

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
90	**BGS Recorded Mineral Sites** Site Name: Trevarrian Location: Mawgan Porth, Newquay, Cornwall Source: British Geological Survey, National Geoscience Information Service Reference: 83731 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	A8NW (SW)	673	1	184663 66543
91	**BGS Recorded Mineral Sites** Site Name: Berryl Point Location: Mawgan Porth, Newquay, Cornwall Source: British Geological Survey, National Geoscience Information Service Reference: 83730 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	A12SW (W)	703	1	184228 67113
92	**BGS Recorded Mineral Sites** Site Name: Moreland Location: Mawgan Porth, Newquay, Cornwall Source: British Geological Survey, National Geoscience Information Service Reference: 83728 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Devonian Geology: Staddon Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14NE (E)	887	1	185897 67463
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	185000 67176
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	184992 67176
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	185000 67192
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	184992 67176
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	185000 67176
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	184987 67187
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	85	1	185000 67058
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	210	1	185221 67068

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	184992 67176
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	185000 67176
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	184987 67187
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	185000 67192
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	28	1	184976 67218
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	85	1	185000 67058
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	210	1	185221 67068
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	184992 67176
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	185000 67176
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	185000 67192
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	184992 67176
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	185000 67176
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	184987 67187
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	17	1	184946 67129
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	72	1	185000 67071
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	85	1	185000 67058
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	173	1	185063 66986
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	210	1	185221 67068
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	184987 67187
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	185000 67192
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	184992 67176

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	185000 67176
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	28	1	184976 67218
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	85	1	185000 67058
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	210	1	185221 67068
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	184992 67176
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	185000 67176
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Higher probability radon area (10 to 30% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	184970 67176
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (5 to 10% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	184992 67176
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (5 to 10% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	184995 67176
	Radon Potential - Radon Protection Measures Protection Measure: Full radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	184970 67176
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	184992 67176
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	184995 67176

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
93	**Contemporary Trade Directory Entries** Name: Disco Beads Location: Mawgan Porth, Newquay, Cornwall, TR8 4BA Classification: Jewellery Manufacturers & Repairers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (E)	0	-	185027 67183
93	**Contemporary Trade Directory Entries** Name: Mawgan Porth Garage Location: Mawgan Porth, Newquay, Cornwall, TR8 4BA Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (E)	0	-	185012 67177
94	**Contemporary Trade Directory Entries** Name: Blade 21 C Engineering Technical Services Location: Flat 7, Trevarrian Court, Trevarrian, Newquay, Cornwall, TR8 4AQ Classification: Catering Equipment - Servicing & Repairs **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SE (S)	892	-	185131 66262
95	**Contemporary Trade Directory Entries** Name: Cornish Country Larder Ltd Location: The Creamery, Trevarrian, Newquay, Cornwall, TR8 4AH Classification: Cheese Makers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	905	-	185221 66267
95	**Contemporary Trade Directory Entries** Name: Arla Foods Trevarrian Location: The Creamery, Trevarrian, Newquay, Cornwall, TR8 4AH Classification: Dairies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	905	-	185221 66267
96	**Contemporary Trade Directory Entries** Name: Oven Clean (Cornwall) Location: Chy-Un-Lur, Trevarrian, Newquay, Cornwall, TR8 4AQ Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	985	-	185103 66164
97	**Fuel Station Entries** Name: Mawgan Porth Stores And Filling Station Location: B3276 , Mawgan Porth , Newquay, Cornwall, TR8 4BA Brand: Bp Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Automatically positioned to the address	A13NE (E)	0	-	185012 67177
98	**Points of Interest - Commercial Services** Name: Mawgan Porth Garage Location: Mawgan Porth, Newquay, TR8 4BA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NE (E)	0	8	185012 67177
98	**Points of Interest - Commercial Services** Name: Mawgan Porth Garage Location: Mawgan Porth, Newquay, TR8 4BA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NE (E)	0	8	185012 67177
99	**Points of Interest - Manufacturing and Production** Name: Quarry (Disused) Location: TR8 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	517	8	185565 67253
99	**Points of Interest - Manufacturing and Production** Name: Quarry (Disused) Location: TR8 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	517	8	185565 67256
100	**Points of Interest - Manufacturing and Production** Name: Quarry Location: TR8 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A18SW (N)	526	8	184873 67708

Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
101	**Points of Interest - Manufacturing and Production** Name: Tank Location: TR8 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	656	8	185077 67858
101	**Points of Interest - Manufacturing and Production** Name: Quarry (Disused) Location: TR8 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A18NE (N)	677	8	185026 67881
102	**Points of Interest - Manufacturing and Production** Name: Quarry (Disused) Location: TR8 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A14NE (E)	891	8	185900 67468
102	**Points of Interest - Manufacturing and Production** Name: Quarry (Disused) Location: TR8 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	901	8	185908 67477
102	**Points of Interest - Manufacturing and Production** Name: Solar Panels Location: TR8 Category: Industrial Features Class Code: Energy Production Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	961	8	185981 67439
103	**Points of Interest - Public Infrastructure** Name: Refuse Tip (Disused) Location: TR8 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	808	8	184733 66371

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Sensitive Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
104	**Special Areas of Conservation** Name: Bristol Channel Approaches / Dynesfeydd Môr Hafren Multiple Areas: N Total Area (m2): 5851290732.96 Source: Natural Resources Wales Reference: UK0030396 **Status: Designated**	A12NE (W)	562	10	184380 67299
105	**Special Areas of Conservation** Name: Bristol Channel Approaches / Dynesfeydd Mor Hafren Multiple Areas: Y Total Area (m2): 5821694723.91 Source: Natural England Reference: UK0030396 **Status: Designated**	A12NE (W)	562	9	184380 67299

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Data Currency

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
North Cornwall District Council (now part of Cornwall Council) - Environmental Health Department	August 2009	Not Applicable
Environment Agency - Head Office	June 2020	Annually
Cornwall Council - Environmental Health Department	October 2017	Annually
Restormel Borough Council (now part of Cornwall Council) - Environmental Health Department	September 2008	Not Applicable
Discharge Consents		
Environment Agency - South West Region	October 2020	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - South West Region	March 2013	Annual Rolling Update
Integrated Pollution Controls		
Environment Agency - South West Region	October 2008	Variable
Integrated Pollution Prevention And Control		
Environment Agency - South West Region	October 2020	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Fowey Port Health Authority	August 2008	Variable
North Cornwall District Council (now part of Cornwall Council) - Environmental Health Department	December 2008	Not Applicable
Restormel Borough Council (now part of Cornwall Council) - Environmental Health Department	July 2009	Not Applicable
Cornwall Council - Environmental Health Department	September 2014	Variable
Local Authority Pollution Prevention and Controls		
Fowey Port Health Authority	August 2008	Not Applicable
North Cornwall District Council (now part of Cornwall Council) - Environmental Health Department	December 2008	Not Applicable
Restormel Borough Council (now part of Cornwall Council) - Environmental Health Department	July 2009	Not Applicable
Cornwall Council - Environmental Health Department	September 2014	Annually
Local Authority Pollution Prevention and Control Enforcements		
Fowey Port Health Authority	August 2008	Variable
North Cornwall District Council (now part of Cornwall Council) - Environmental Health Department	December 2008	Not Applicable
Restormel Borough Council (now part of Cornwall Council) - Environmental Health Department	July 2009	Not Applicable
Cornwall Council - Environmental Health Department	September 2014	Variable
Nearest Surface Water Feature		
Ordnance Survey	October 2020	
Pollution Incidents to Controlled Waters		
Environment Agency - South West Region	September 1999	Not Applicable
Prosecutions Relating to Authorised Processes		
Environment Agency - South West Region	March 2013	Annual Rolling Update
Prosecutions Relating to Controlled Waters		
Environment Agency - South West Region	March 2013	Annual Rolling Update
Registered Radioactive Substances		
Environment Agency - South West Region	June 2016	
River Quality		
Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points		
Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points		
Environment Agency - Head Office	July 2012	Annually

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Agency & Hydrological	Version	Update Cycle
Substantiated Pollution Incident Register		
Environment Agency - South West Region - Cornwall Area	October 2020	Quarterly
Environment Agency - South West Region - Devon and Cornwall Area	October 2020	Quarterly
Water Abstractions		
Environment Agency - South West Region	January 2021	Quarterly
Water Industry Act Referrals		
Environment Agency - South West Region	October 2017	Quarterly
Groundwater Vulnerability Map		
Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations		
Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations		
Environment Agency - Head Office	January 2018	Annually
Source Protection Zones		
Environment Agency - Head Office	October 2019	Quarterly
Extreme Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	September 2020	Quarterly
Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	September 2020	Quarterly
Areas Benefiting from Flood Defences		
Environment Agency - Head Office	September 2020	Quarterly
Flood Water Storage Areas		
Environment Agency - Head Office	September 2020	Quarterly
Flood Defences		
Environment Agency - Head Office	September 2020	Quarterly
OS Water Network Lines		
Ordnance Survey	September 2020	Quarterly
Surface Water 1 in 30 year Flood Extent		
Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 100 year Flood Extent		
Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 1000 year Flood Extent		
Environment Agency - Head Office	October 2013	Annually
Surface Water Suitability		
Environment Agency - Head Office	October 2013	Annually
BGS Groundwater Flooding Susceptibility		
British Geological Survey - National Geoscience Information Service	May 2013	Annually

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Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites		
Environment Agency - Head Office	October 2019	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - South West Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - South West Region - Cornwall Area	October 2020	Quarterly
Environment Agency - South West Region - Devon and Cornwall Area	October 2020	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - South West Region - Cornwall Area	October 2020	Quarterly
Environment Agency - South West Region - Devon and Cornwall Area	October 2020	Quarterly
Local Authority Landfill Coverage		
Cornwall County Council (now part of Cornwall Council)	May 2000	Not Applicable
North Cornwall District Council (now part of Cornwall Council)	May 2000	Not Applicable
Restormel Borough Council (now part of Cornwall Council) - Environmental Health Department	May 2000	Not Applicable
Local Authority Recorded Landfill Sites		
Cornwall County Council (now part of Cornwall Council)	May 2000	Not Applicable
North Cornwall District Council (now part of Cornwall Council)	May 2000	Not Applicable
Restormel Borough Council (now part of Cornwall Council) - Environmental Health Department	May 2000	Not Applicable
Potentially Infilled Land (Non-Water)		
Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water)		
Landmark Information Group Limited	December 1999	Not Applicable
Registered Landfill Sites		
Environment Agency - South West Region - Cornwall Area	March 2003	Not Applicable
Environment Agency - South West Region - Devon and Cornwall Area	March 2003	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - South West Region - Cornwall Area	March 2003	Not Applicable
Environment Agency - South West Region - Devon and Cornwall Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites		
Environment Agency - South West Region - Cornwall Area	March 2003	Not Applicable
Environment Agency - South West Region - Devon and Cornwall Area	March 2003	Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites		
Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements		
Cornwall County Council (now part of Cornwall Council)	January 2009	Annual Rolling Update
North Cornwall District Council (now part of Cornwall Council) - Planning Department	January 2009	Not Applicable
Cornwall Council - Planning Department	May 2016	Variable
Restormel Borough Council (now part of Cornwall Council)	October 2008	Not Applicable
Planning Hazardous Substance Consents		
Cornwall County Council (now part of Cornwall Council)	January 2009	Annual Rolling Update
North Cornwall District Council (now part of Cornwall Council) - Planning Department	January 2009	Not Applicable
Cornwall Council - Planning Department	May 2016	Variable
Restormel Borough Council (now part of Cornwall Council)	October 2008	Not Applicable

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Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	October 2015	Annually
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2020	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	October 2000	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	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually
Industrial Land Use	**Version**	**Update Cycle**
Contemporary Trade Directory Entries Thomson Directories	October 2020	Quarterly
Fuel Station Entries Catalist Ltd - Experian	September 2020	Quarterly
Gas Pipelines National Grid	January 2021	
Points of Interest - Commercial Services PointX	December 2020	Quarterly
Points of Interest - Education and Health PointX	December 2020	Quarterly
Points of Interest - Manufacturing and Production PointX	December 2020	Quarterly
Points of Interest - Public Infrastructure PointX	December 2020	Quarterly
Points of Interest - Recreational and Environmental PointX	December 2020	Quarterly
Underground Electrical Cables National Grid	August 2020	

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Sensitive Land Use	Version	Update Cycle
Ancient Woodland		
Natural England	April 2020	Bi-Annually
Areas of Adopted Green Belt		
Cornwall Council - Planning Department	June 2020	As notified
North Cornwall District Council (now part of Cornwall Council)	June 2020	As notified
Restormel Borough Council (now part of Cornwall Council)	June 2020	As notified
Areas of Unadopted Green Belt		
Cornwall Council - Planning Department	June 2020	As notified
North Cornwall District Council (now part of Cornwall Council)	June 2020	As notified
Restormel Borough Council (now part of Cornwall Council)	June 2020	As notified
Areas of Outstanding Natural Beauty		
Natural England	January 2021	Bi-Annually
Environmentally Sensitive Areas		
Natural England	January 2017	
Forest Parks		
Forestry Commission	April 1997	Not Applicable
Local Nature Reserves		
Natural England	April 2020	Bi-Annually
Marine Nature Reserves		
Natural England	July 2019	Bi-Annually
National Nature Reserves		
Natural England	January 2021	Bi-Annually
National Parks		
Natural England	April 2017	Bi-Annually
Nitrate Sensitive Areas		
Natural England	April 2016	Not Applicable
Nitrate Vulnerable Zones		
Environment Agency - Head Office	December 2017	Bi-Annually
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	October 2015	
Ramsar Sites		
Natural England	August 2020	Bi-Annually
Sites of Special Scientific Interest		
Natural England	May 2020	Bi-Annually
Special Areas of Conservation		
Natural Resources Wales	August 2020	Bi-Annually
Natural England	July 2020	Bi-Annually
Special Protection Areas		
Natural England	September 2020	Bi-Annually

Data Suppliers

A selection of organisations who provide data within this report

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

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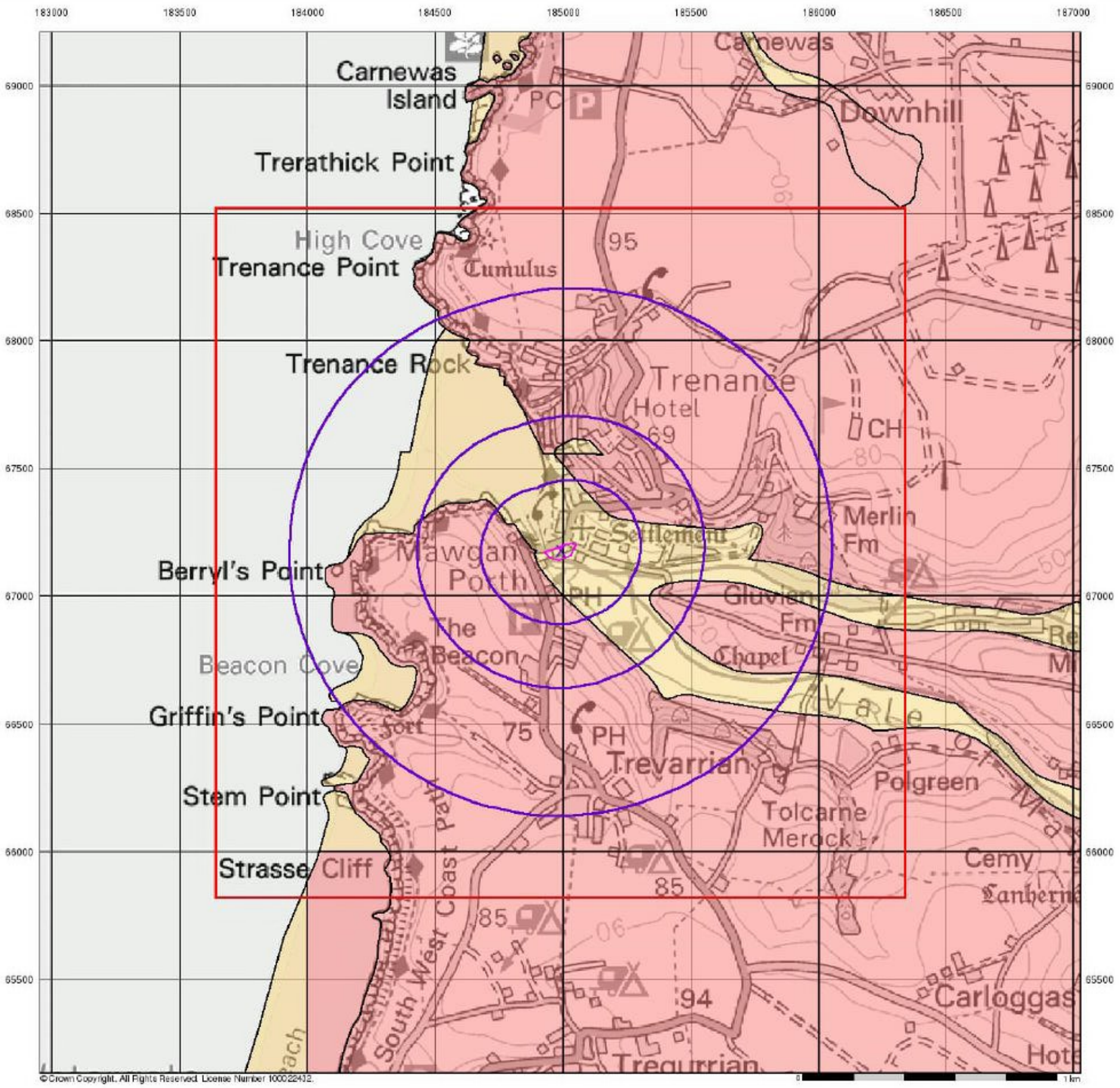
Useful Contacts

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	**PointX** 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
9	**Natural England** County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
10	**Natural Resources Wales** Ty Cambria, 29 Newport Road, Cardiff, CF24 0TP	Telephone: 0300 065 3000 Email: enquiries@naturalresourceswales.gov.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.

Appendix D Site Sensitivity Maps



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Groundwater Vulnerability

General

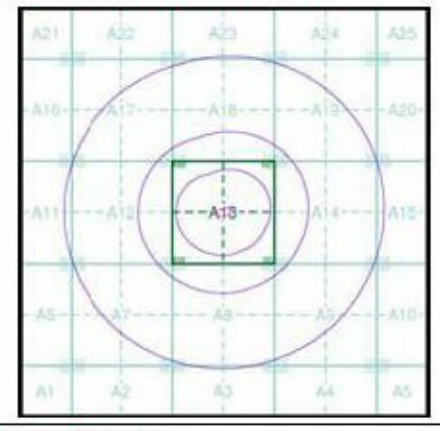
Specified Site
Specified Buffer(s)
Bearing Reference Point
Slice
Map ID

Agency and Hydrological

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

Unproductive Aquifer
Soluble Rock

Site Sensitivity Context Map - Slice A



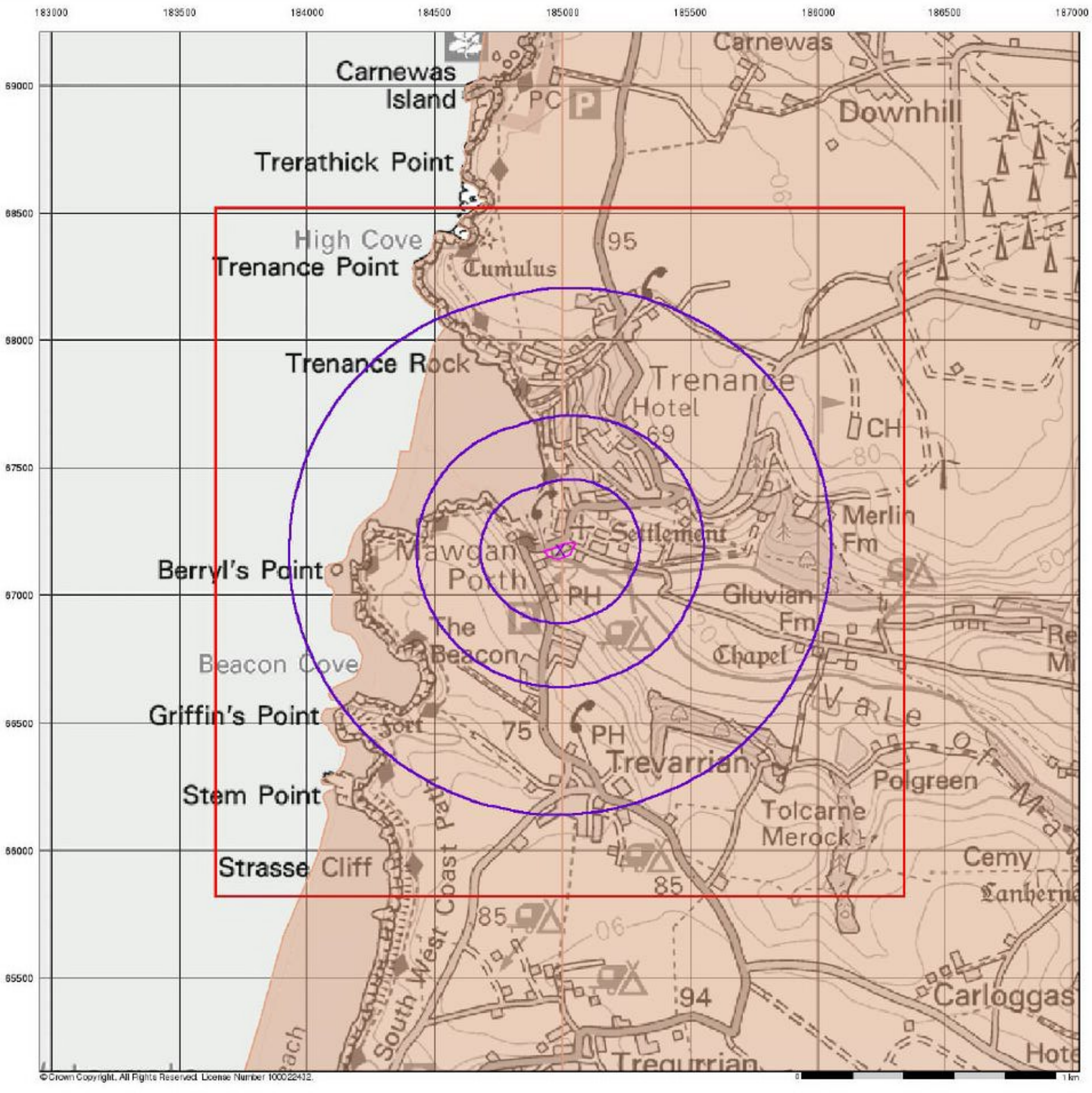
Order Details

Order Number:	272802835_1_1
Customer Ref:	19013
National Grid Reference:	184990, 67180
Slice:	A
Site Area (Ha):	0.44
Search Buffer (m):	1000

Site Details

Site at 184990, 67170

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



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Bedrock Aquifer Designation

General

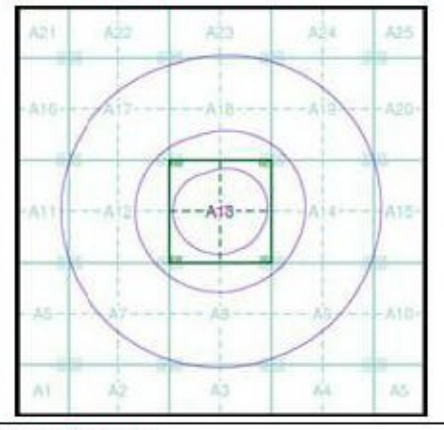
Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

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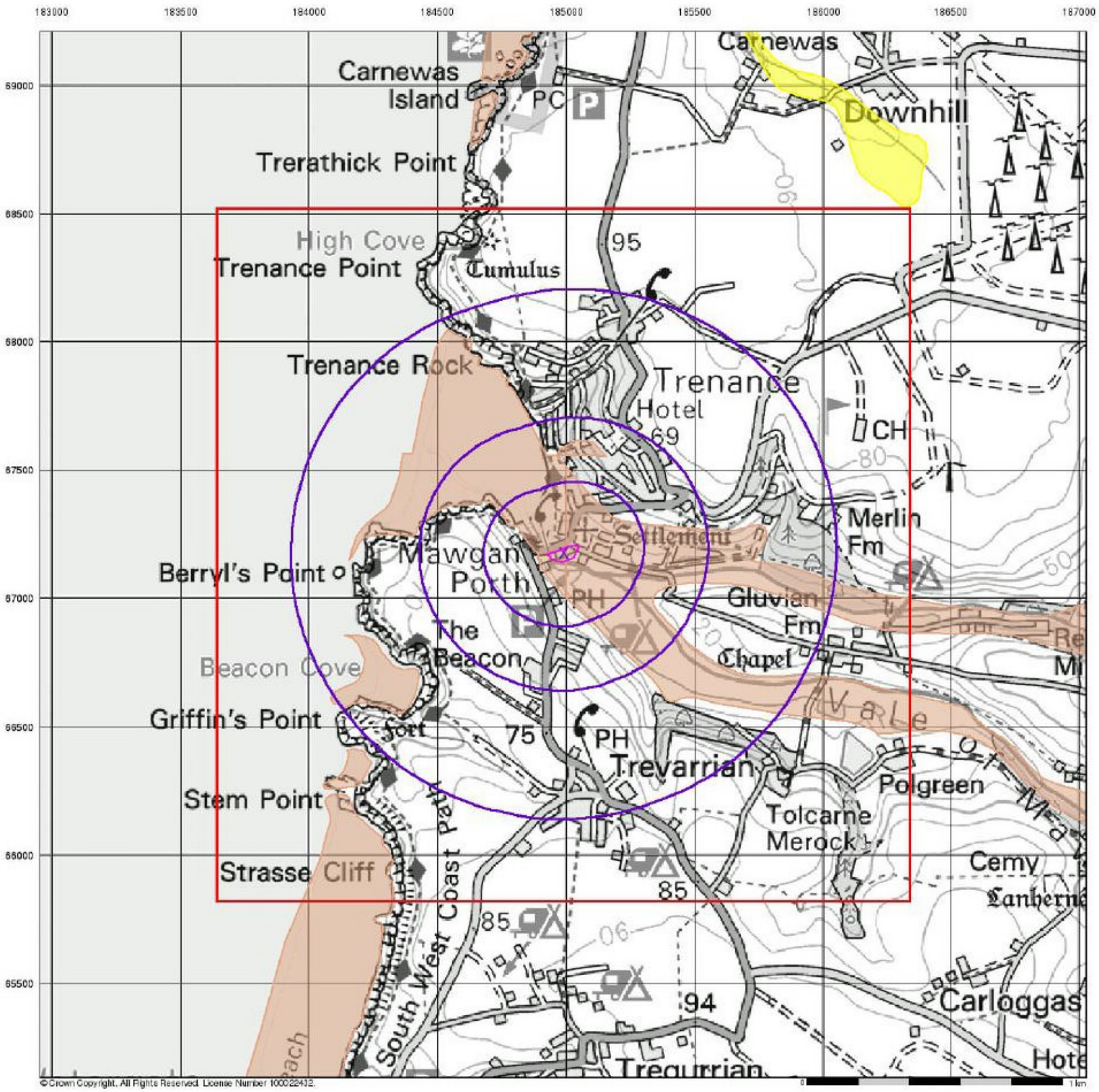
Customer Ref:	19013
National Grid Reference:	184990, 67180
Slice:	A
Site Area (Ha):	0.44
Search Buffer (m):	1000

Site Details

Site at 184990, 67170



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Superficial Aquifer Designation

General

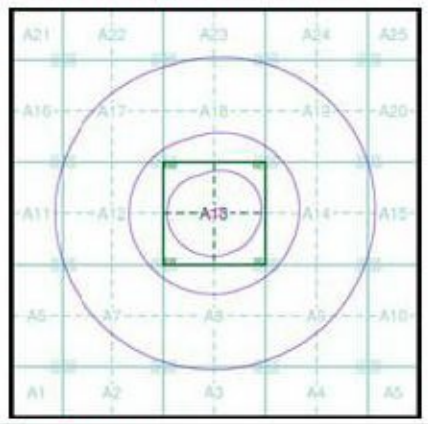
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

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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National Grid Reference:	184990, 67180
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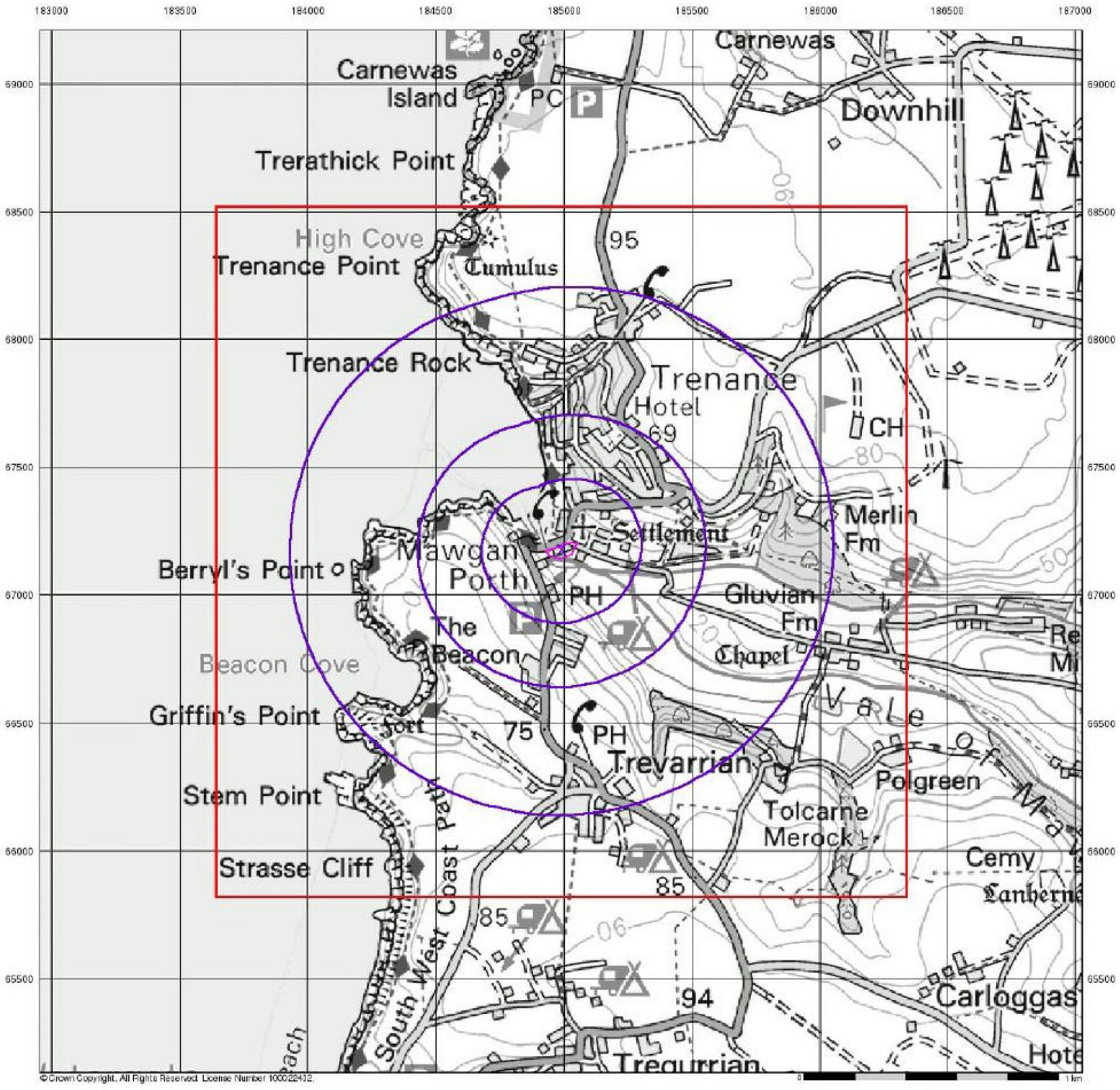
Site Area (Ha):	0.44
Search Buffer (m):	1000

Site Details

Site at 184990, 67170



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Source Protection Zones

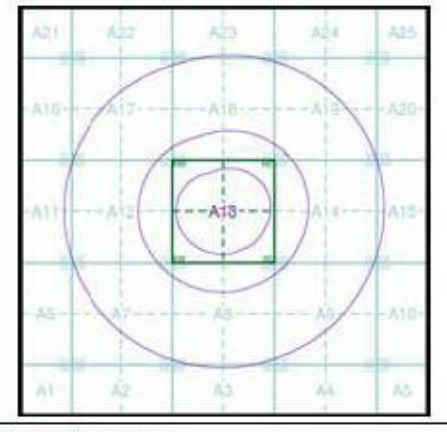
General

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

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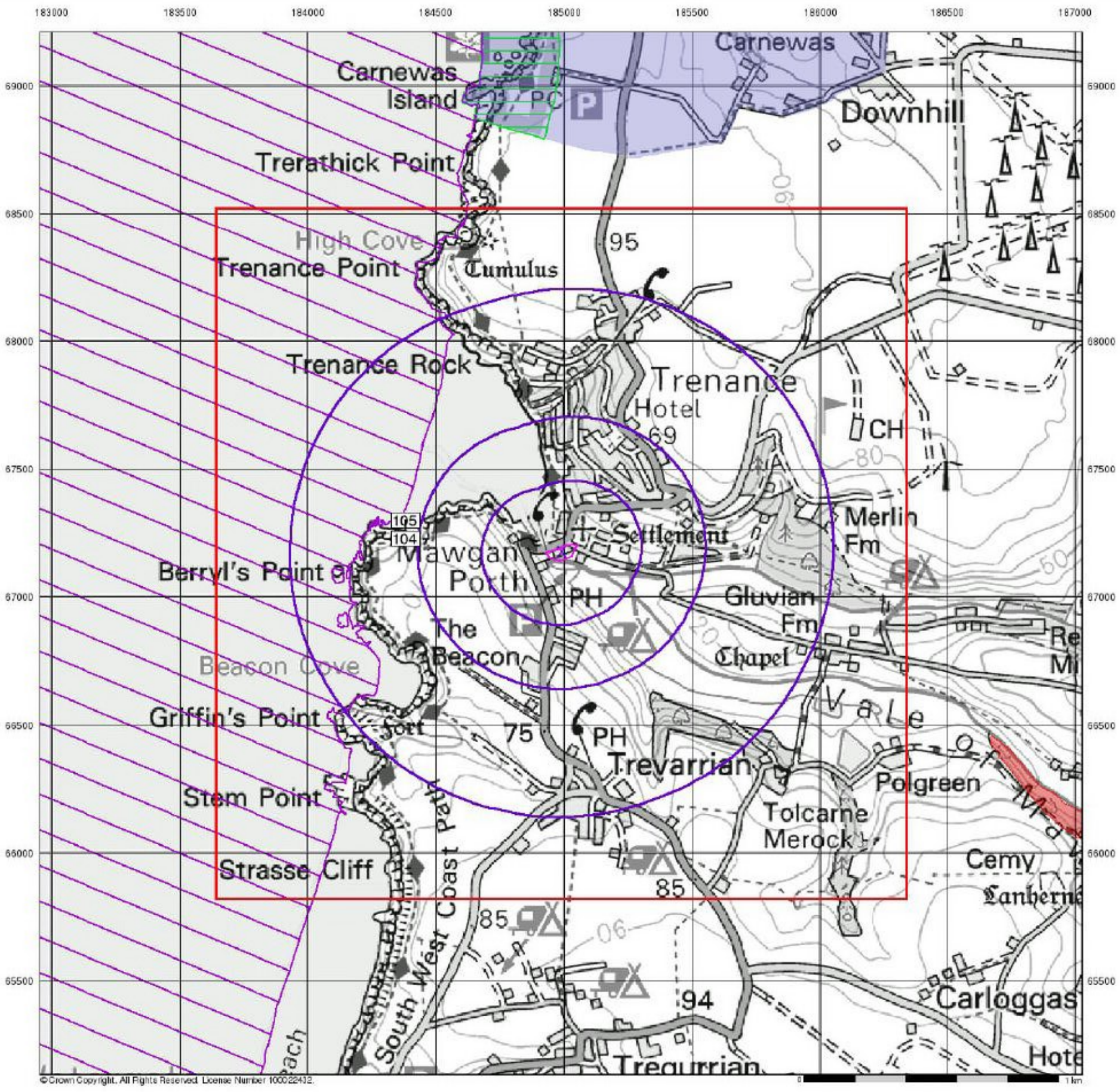
National Grid Reference:	184990, 67180
Slice:	A
Site Area (Ha):	0.44
Search Buffer (m):	1000

Site Details

Site at 184990, 67170



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Sensitive Land Uses

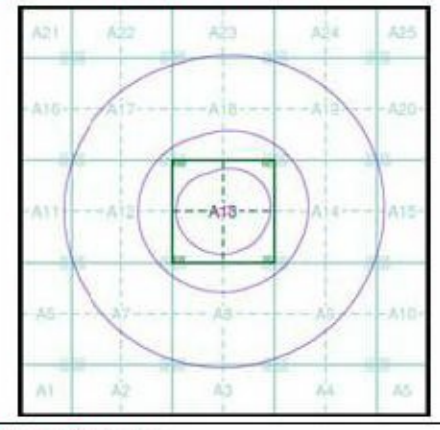
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A

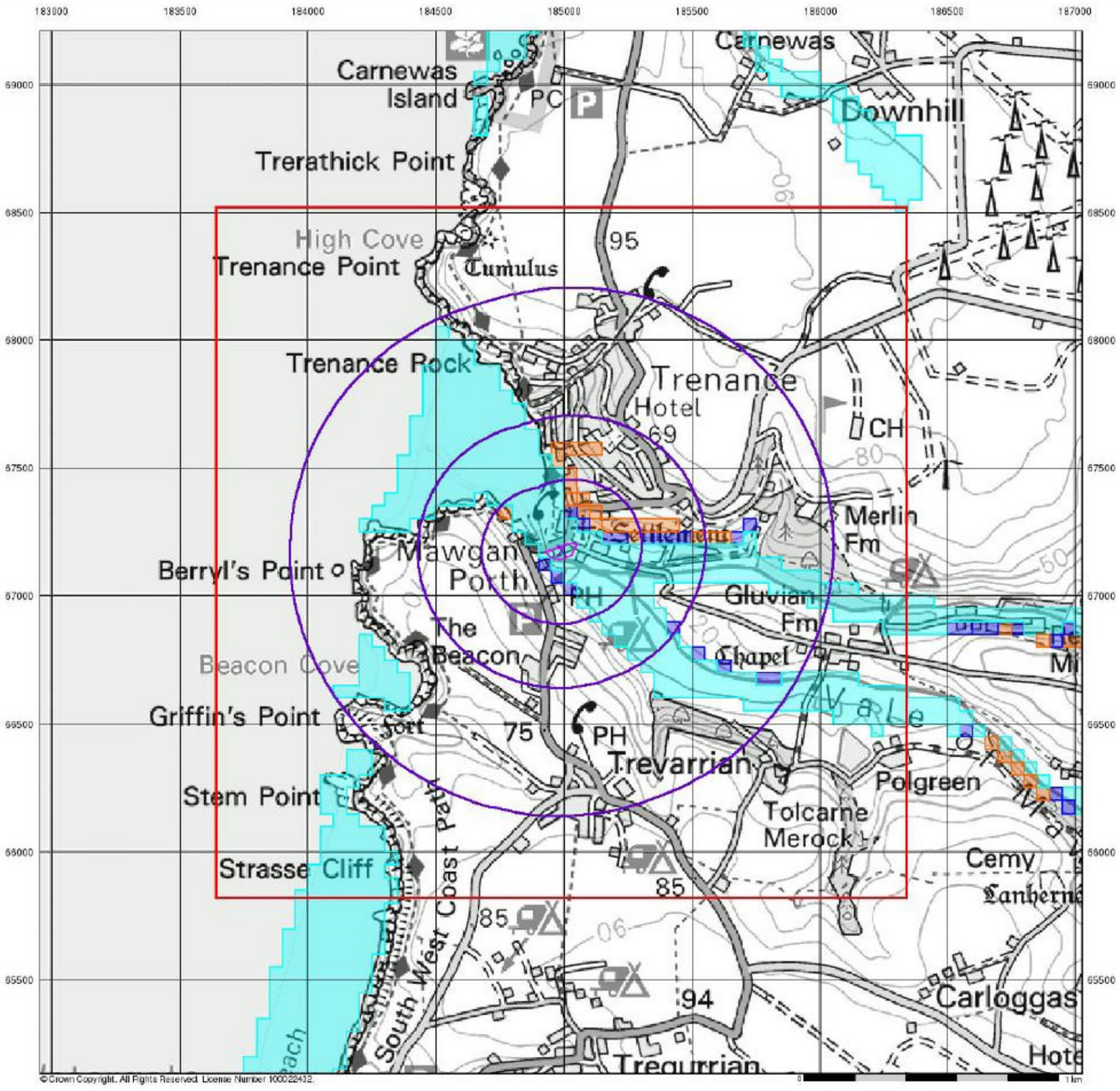


Order Details

Order Number:	272802835_1_1
Customer Ref:	19013
National Grid Reference:	184990, 67180
Slice:	A
Site Area (Ha):	0.44
Search Buffer (m):	1000

Site Details

Site at 184990, 67170



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BGS Flood GFS Data

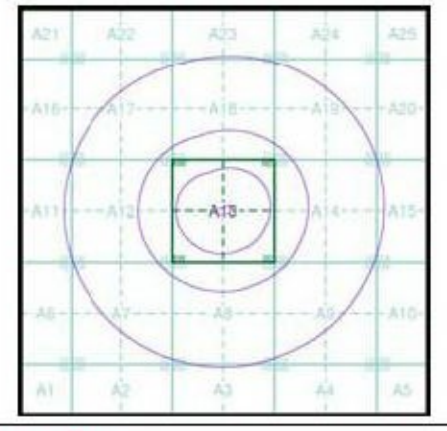
General

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

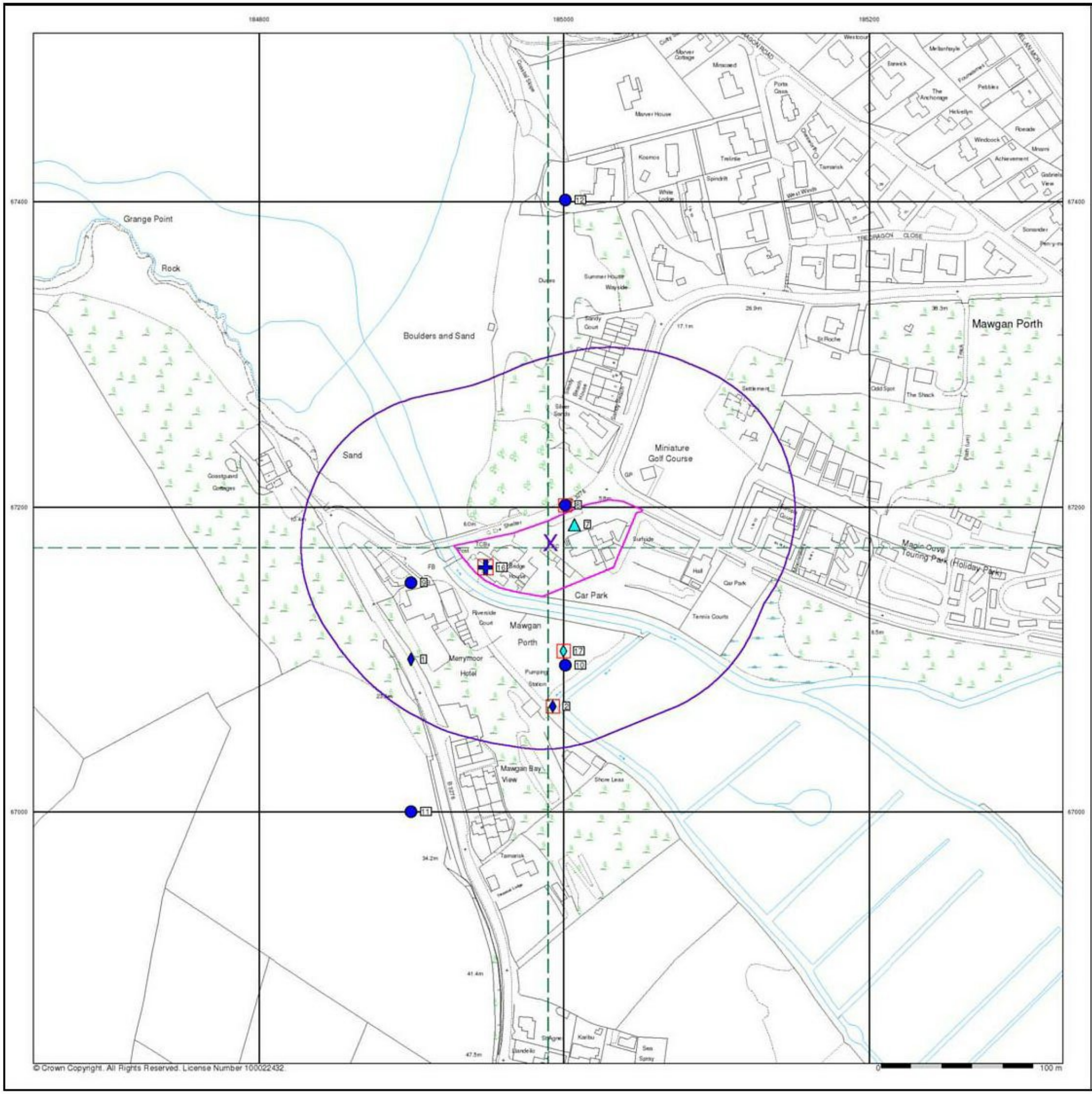


Order Details

Order Number:	272802835_1_1
Customer Ref:	19013
National Grid Reference:	184990, 67180
Slice:	A
Site Area (Ha):	0.44
Search Buffer (m):	1000

Site Details

Site at 184990, 67170



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General

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

Agency and Hydrological

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

Hazardous Substances

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

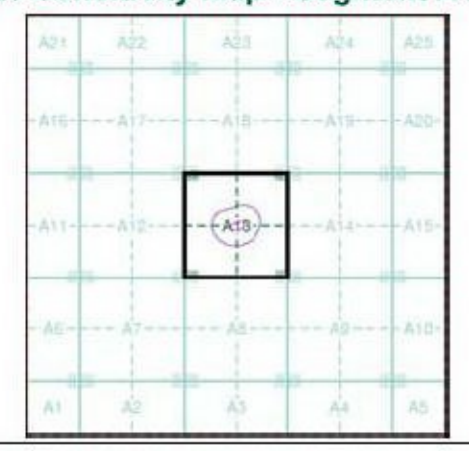
Geological

- BGS Recorded Mineral Site

Waste

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

Site Sensitivity Map - Segment A13



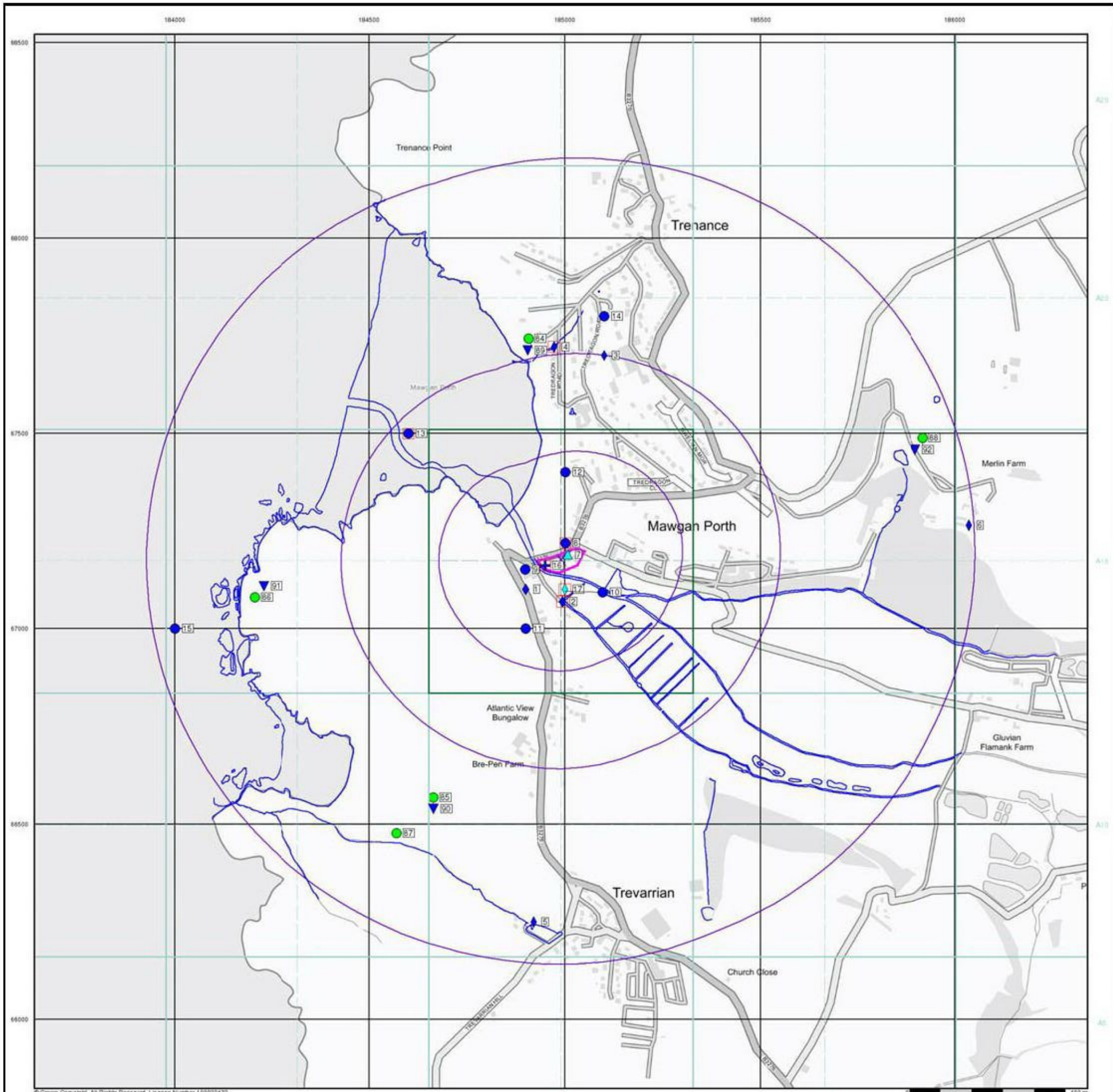
Order Details

Order Number:	272802835_1_1
Customer Ref:	19013
National Grid Reference:	184990, 67180
Slice:	A
Site Area (Ha):	0.44
Plot Buffer (m):	100

Site Details

Site at 184990, 67170

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



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

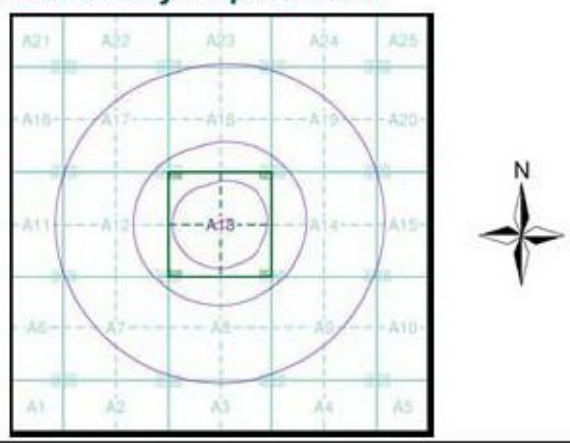
Agency and Hydrological
Contaminated Land Register Entry or Notice (Location)
Contaminated Land Register Entry or Notice
Discharge Consent
Enforcement or Prohibition Notice
Integrated Pollution Control
Integrated Pollution Prevention Control
Local Authority Integrated Pollution Prevention and Control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

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

Geological
BGS Recorded Mineral Site

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

Site Sensitivity Map - Slice A

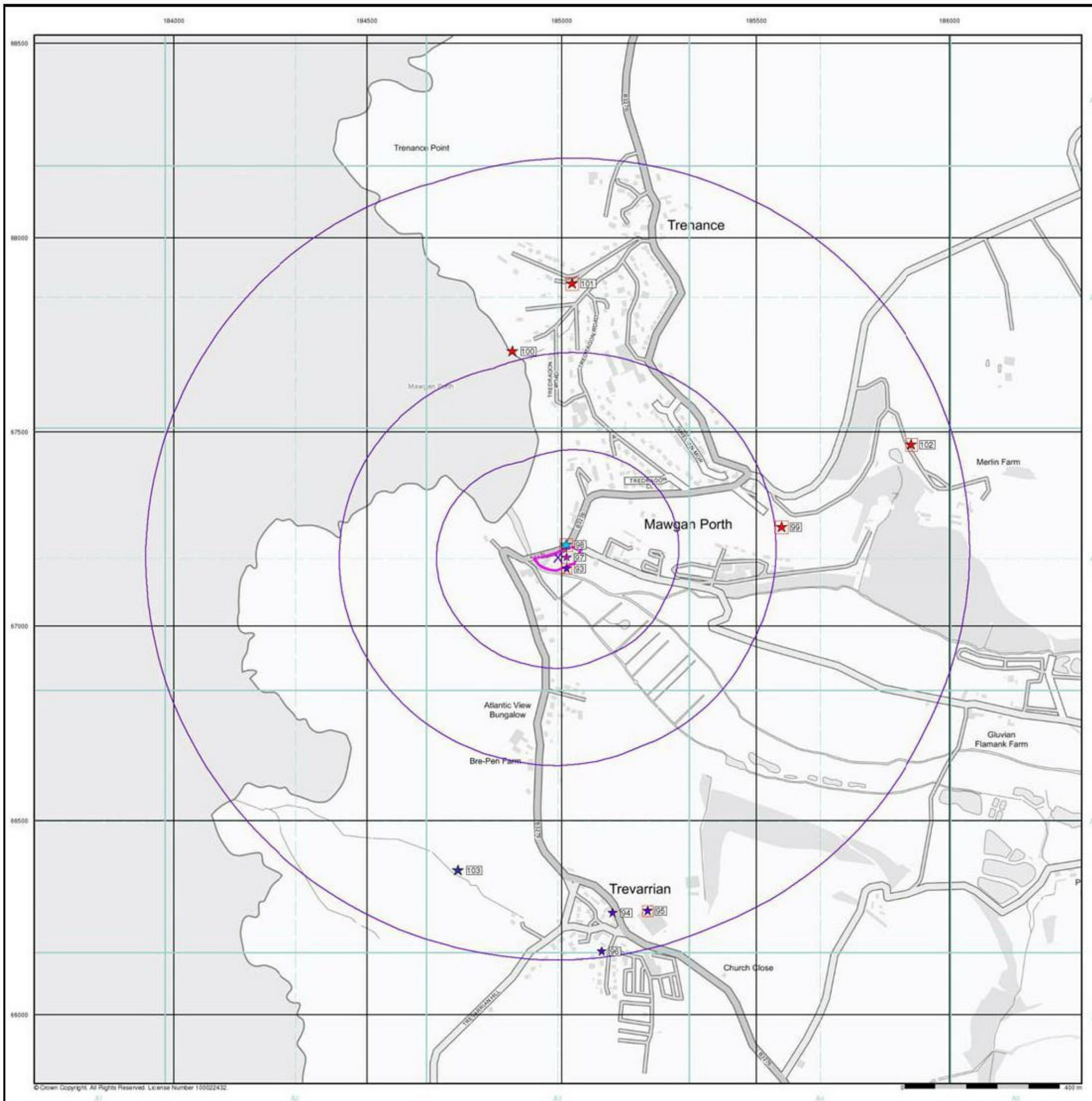


Order Details

Order Number:	272802835_1_1
Customer Ref:	19013
National Grid Reference:	184990, 67180
Slice:	A
Site Area (Ha):	0.44
Search Buffer (m):	1000

Site Details
Site at 184990, 67170

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



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Industrial Land Use Map

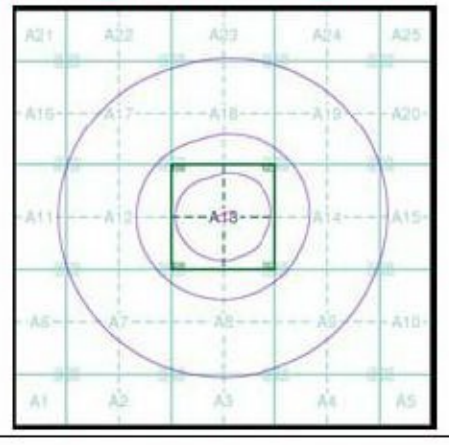
General

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

Industrial Land Use

Contemporary Trade Directory Entry
Fuel Station Entry
Gas Pipeline
Points of Interest - Commercial Services
Points of Interest - Education and Health
Points of Interest - Manufacturing and Production
Points of Interest - Public Infrastructure
Points of Interest - Recreational and Environmental
Underground Electrical Cables

Industrial Land Use Map - Slice A



Order Details

Order Number:	272802835_1_1
Customer Ref:	19013
National Grid Reference:	184990, 67180
Slice:	A
Site Area (Ha):	0.44
Search Buffer (m):	1000

Site Details

Site at 184990, 67170

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Fax: 0844 844 9951
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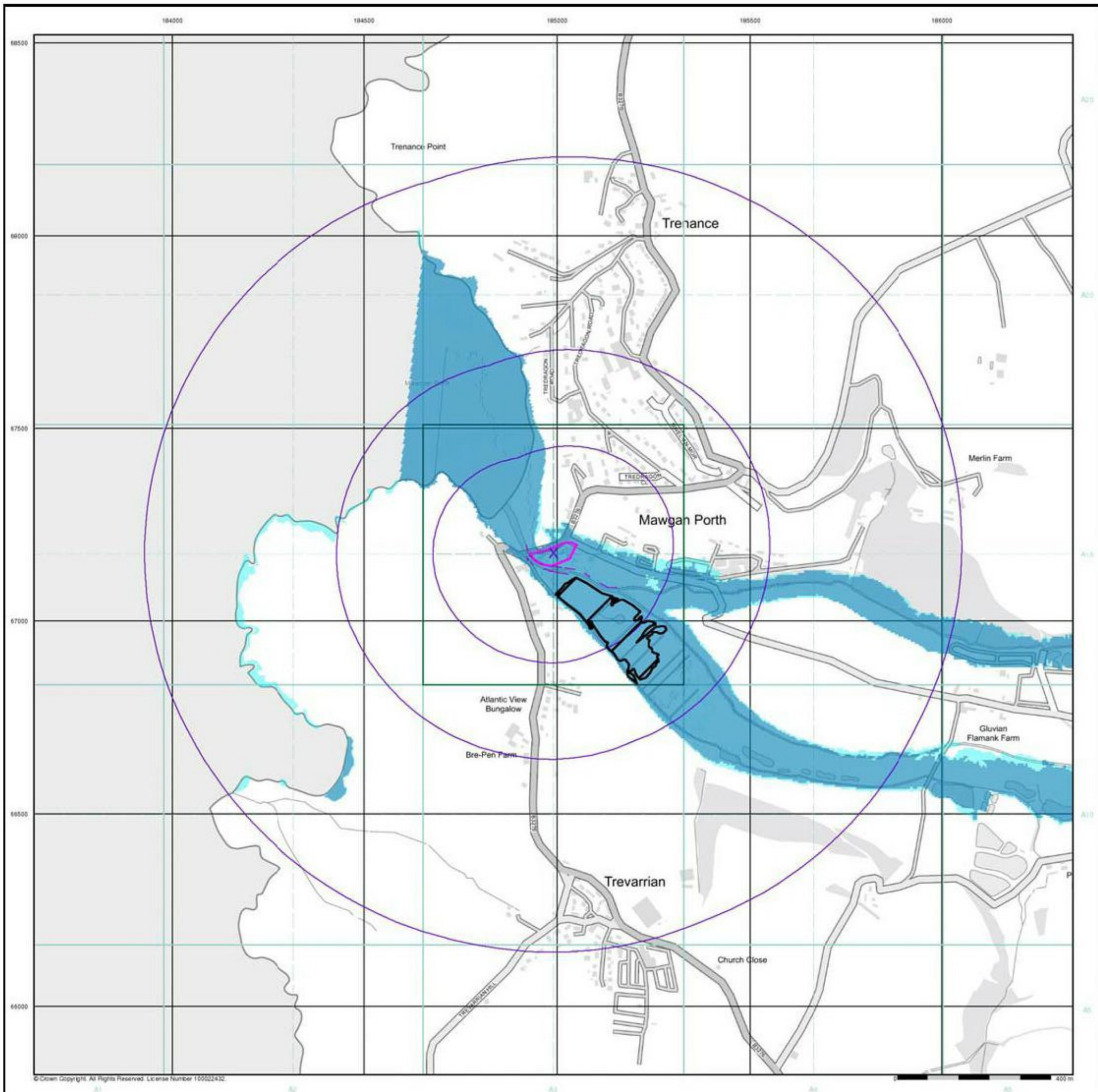

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Geotechnical & Environmental Consultants

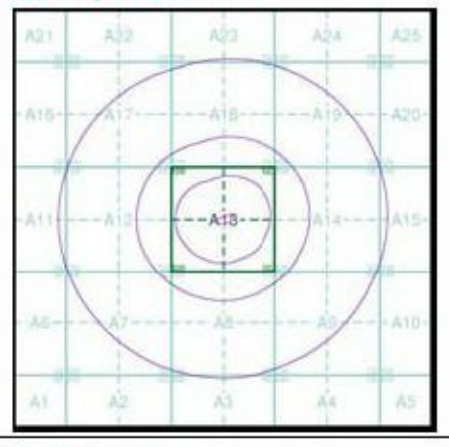
General

- 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

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National Grid Reference:	184990, 67180
Slice:	A
Site Area (Ha):	0.44
Search Buffer (m):	1000

Site Details

Site at 184990, 67170

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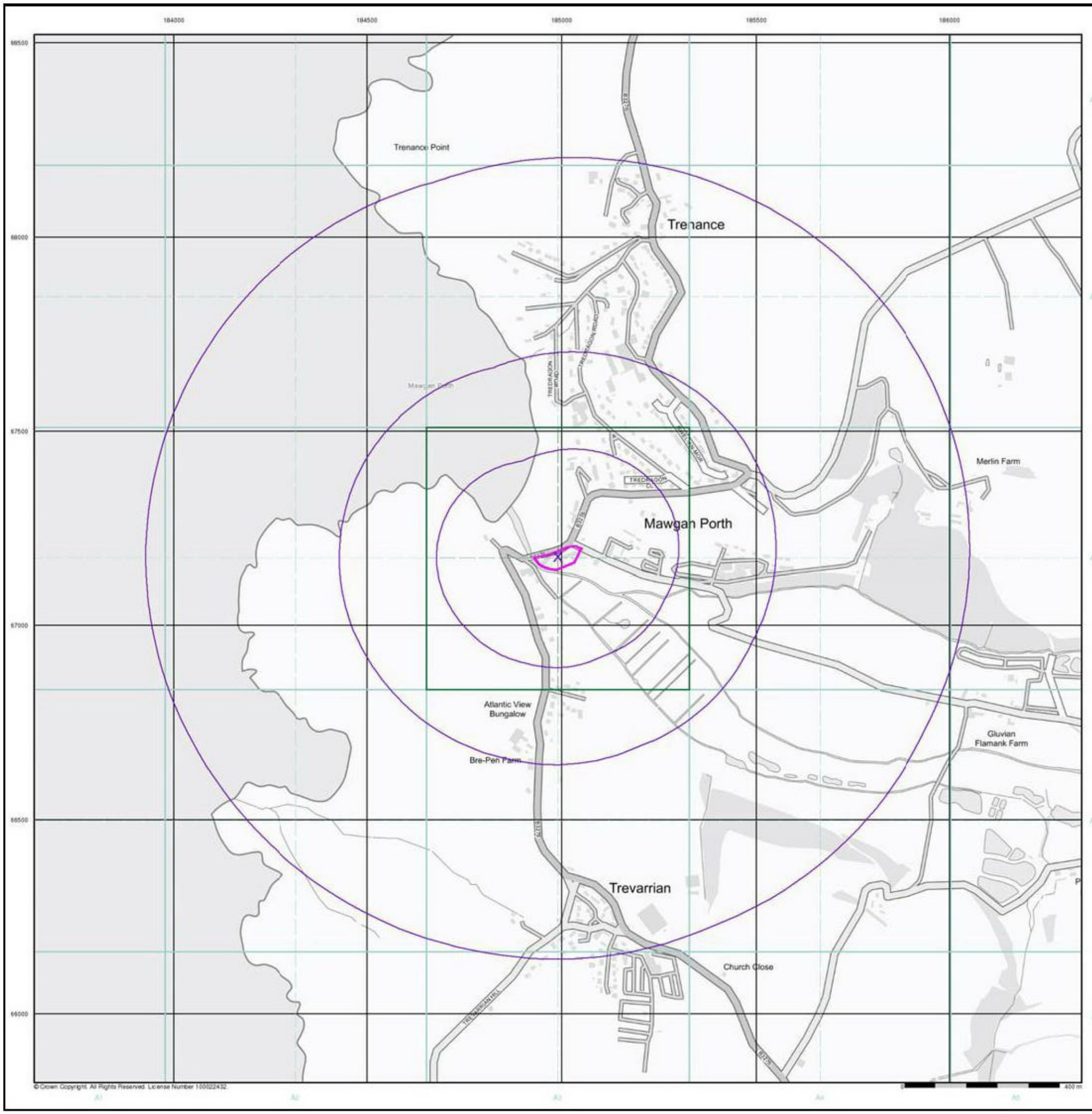
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



soils LIMITED
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General

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

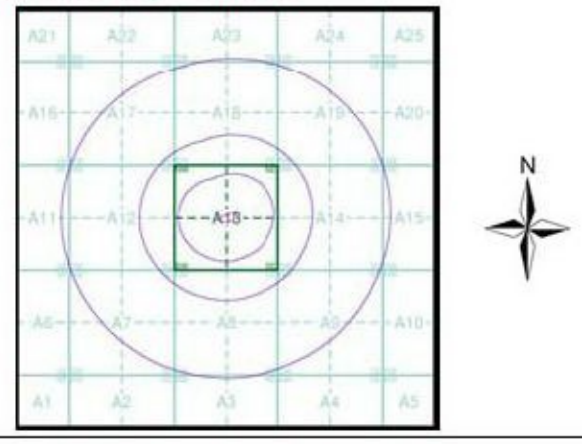
Agency and Hydrological (Boreholes)

- 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:	272802835_1_1
Customer Ref:	19013
National Grid Reference:	184990, 67180
Slice:	A
Site Area (Ha):	0.44
Search Buffer (m):	1000

Site Details

Site at 184990, 67170

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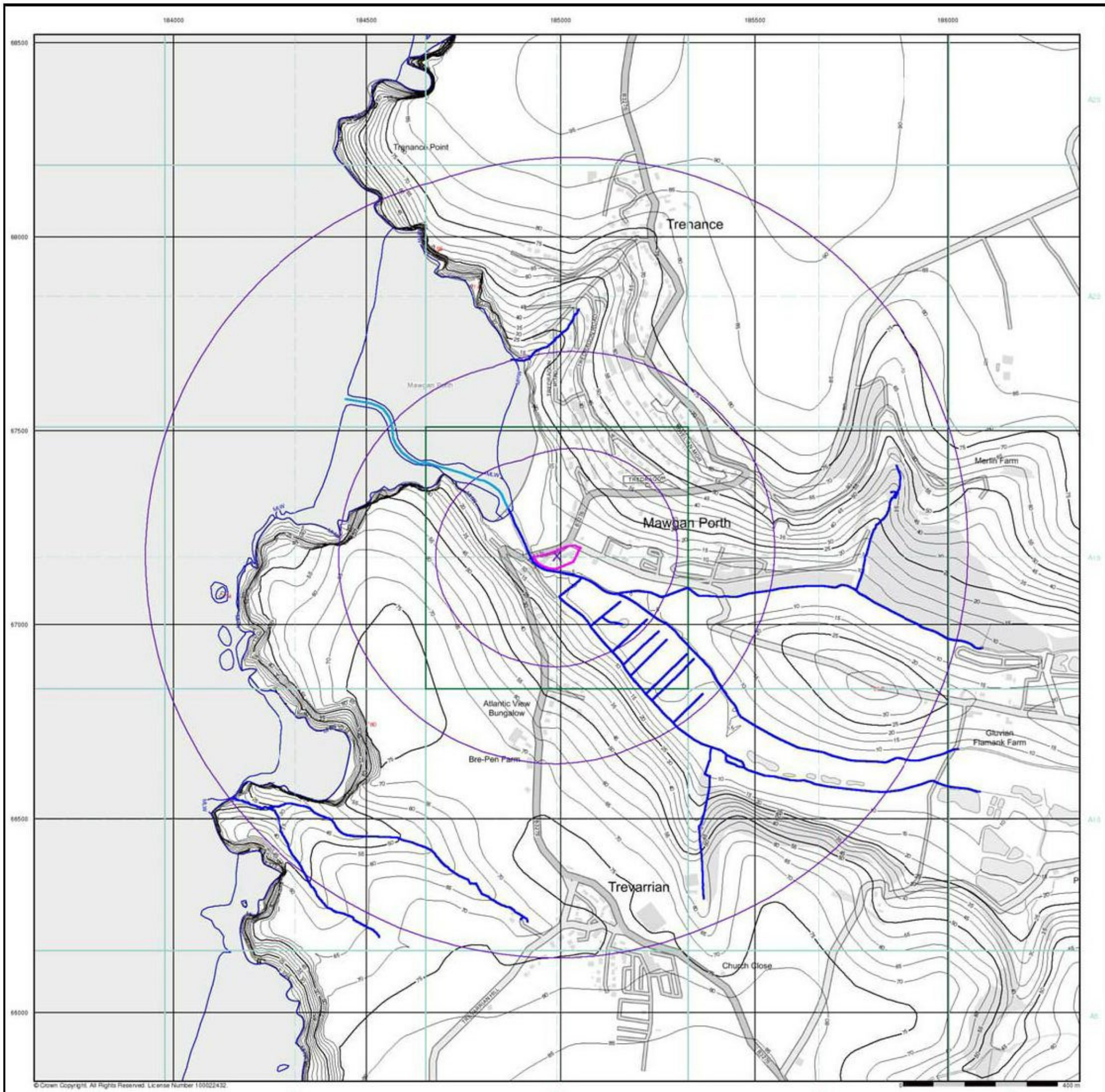
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



soils LIMITED
Geotechnical & Environmental Consultants

General

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

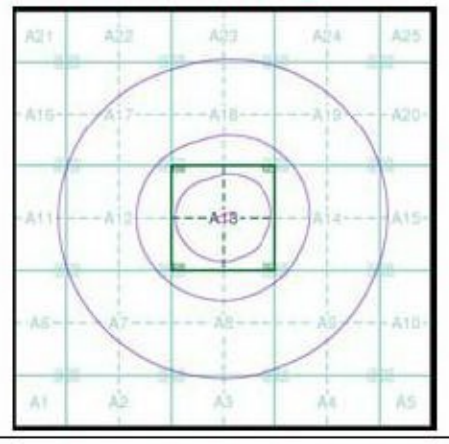
OS Water Network Data

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

Contours (height in meters)

- Standard Contour
- Master Contour
- Spot Height 167.3
- MLW Mean Low Water
- MHW Mean High Water

OS Water Network Map - Slice A



Order Details

Order Number:	272802835_1_1
Customer Ref:	19013
National Grid Reference:	184990, 67180
Slice:	A
Site Area (Ha):	0.44
Search Buffer (m):	1000

Site Details

Site at 184990, 67170

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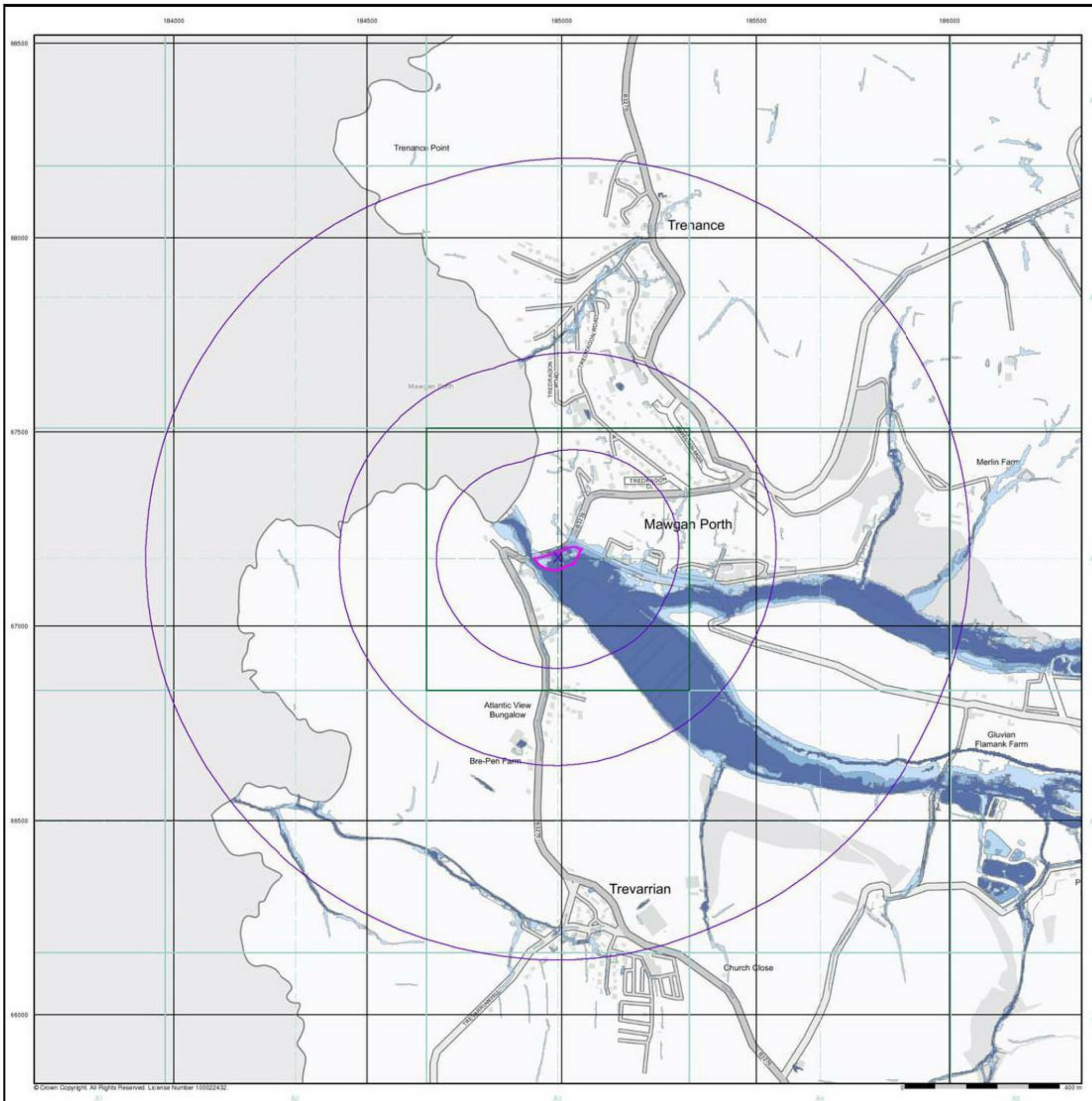
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



soils LIMITED
Geotechnical & Environmental Consultants

General

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

Risk of Flooding from Surface Water

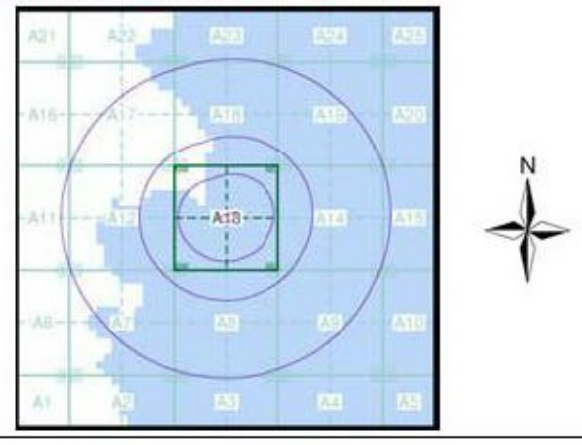
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

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

EA/NRW Suitability Map - Slice A



Order Details

Order Number:	272802835_1_1
Customer Ref:	19013
National Grid Reference:	184990, 67180
Slice:	A
Site Area (Ha):	0.44
Search Buffer (m):	1000

Site Details

Site at 184990, 67170

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

Appendix E Historical Mining Search

WESTCOUNTRY MINES
& PROPERTY SURVEYS
MINING SUBSIDENCE CONSULTANTS
Grove Farm, East Hill, Blackwater, Truro, Cornwall TR4 8EG
Tel & Fax: 01872 562837 E-mail: info@westcountrymines.co.uk

Ref: 19013/OS

CLEAR MINING SEARCH

Soils Limited
Unit 4 United Downs Industrial Estate
St Day Road
Redruth
Cornwall TR16 5HY

10th February 2021.

Dear Sirs,

Thank you for your instructions to carry out a metalliferous tin mining archive search for which we are pleased to present the following report.

REFERENCE

SITE AT MAWGAN PORTH, NEWQUAY, CORNWALL.
NATIONAL GRID REFERENCE SW 849677 REPORT REF: 67040.

INTRODUCTION

The property, located to the north west of St Mawgan lies within an historic mining area with sporadic underground and surface activity. This report undertakes to advise only on possible untoward past metalliferous mining features likely to present a future risk to ground and structural stability.

In general for Cornwall and Devon, the main risk to ground stability is not associated with the deeper metalliferous mine workings but with the connection at surface such as shafts, worked lode outcrops, trial pits or quarries, etc. Subsidence is therefore usually caused by gradual backfill movement or sudden collapse of old support near to the surface. Except for later deep shafts the majority of subsidence problems are related to early workings prior to the mid-19th Century for which there are very few records. While these shallow workings can often be identified from surface features or projected from the deeper recorded levels they are often associated with lodes for which there are no remaining features, knowledge or later underground development. Therefore totally unrecorded or unindicated workings can exist within any mineralised area.

GEOLOGY

The country rocks are sandstones, siltstones and mudstones of the Devonian Bovisand formation, overlain in the valley bottoms to the south with shallow deposits of alluvium. Occasional mineralised lode structures, mostly in the form of narrow and steeply dipping veins, irregularly traverse the area with a general trend of ENE-WSW. Intrusions of greenstone and elvan dykes also occur while crosscourses or faults, some of which are mineralised, cut and displace the lodes at approximate right angles to their trend.

MINING HISTORY

Newquay was once an important silver producing district with some of the earliest records concerning the activities of German miners who were employed by Queen Mary during the 16th Century to produce silver for improving the coinage of the realm. The most important period of activity was during the early 19th Century when copper, lead, silver and zinc ore was produced from intermittent workings. The property lies well to the north of this former activity.

MINING APPRAISAL

There is little information and no mine plans of the very early underground workings in the Mawgan Porth area. However, the attached compilation plan helps to identify the known, indicated and suspected mining and geological features within this locality.

- It is indicated from an early mining map that a lode structure lies approximately 410 metres to the north of the properties northern boundary. The exact location of the lode is unknown, it is also possible that this feature is a hypothetical representation or is barren of mineralisation and unworked in the immediate vicinity. Although significant and extensive workings would not be expected, very often these features may indicate the presence of early and unrecorded trial or exploratory workings. If shallow workings should underlie or encroach within the property there could be a risk to ground stability.

- A second lode structure, recorded as an iron lode, is indicated to lie some 800 metres to the south of the property.

- The geological plans show an area of alluvium beneath the property; certain alluvial tracts were extensively worked for tin. However there is no evidence that this type of activity was undertaken in the vicinity of the property.

- The geological maps show a fault passing through the central section of the property but it is believed that this feature is barren of mineralization in this local area.

- The early editions of the Ordnance Survey plans (circa 1880 and 1907) show the site of the property to be undisturbed by any surface signs of past metalliferous mining activity.

- There is no evidence of deep underground metalliferous mine workings in the local area and the presence of early shallow workings are unlikely.

- It is considered unlikely that future metalliferous mining or quarry operations would be carried out within this district.

Where possible the original plans and mining maps have been correlated with the Ordnance Survey 1:2500 scale. The 1880 and 1907 editions of the Ordnance Survey have been studied when necessary to help identify surface features relevant to past mining and quarry activity. Reference has also been made to the 6 inch Geological Survey published 1906 and the 1974 British Geological Survey
1:50 000 scale.

LIMITATIONS

Although this report is based on the extensive collection of plans, records and archive material, including reference to all our Abandoned Mine Plans for the local Cornish Mines, it has to be recognised that these plans and records are often conflicting and incomplete. Also there are no records or plans for most of the mining carried out prior to the mid-19th Century. This early and unrecorded mining activity is considered to be extensive throughout the zones of mineralization. Where more than one source is available for the same information the most reliable source or our interpretation has been used. While every effort is made to reasonably search the archives and plans, Westcountry Mines & Property Surveys cannot accept liability for any inaccuracies or omissions there may be with respect to those records.

This report does not include a site visit and is not a structural survey although in any mineralised area it would be prudent to have one carried out. The property is situated within a historically mined area and as such the ground area maybe subject to contamination, this report does not comment on environmental, financial or contaminated land issues related to past mining activity. The report and plan is provided for the sole use of the client and Westcountry Mines & Property Surveys will not accept responsibility or liability to any persons other than the client or their professional advisers.

CONCLUSIONS

It is indicated that the property is clear of known significant metalliferous mining activity. While mining features would not be expected, as in any mineralised area, there is always a possibility of future metalliferous mining related settlement, however in this instance we feel that this can be considered an acceptable development risk.

RECOMMENDATIONS

If the property were to be developed further it would be recommended, that if any soft spots or anomalies be encountered during the excavation of the foundation and service trenches then a mining consultant be asked to carry out a precautionary inspection.

We trust that the above is of assistance, and assure you of our prompt attention to any future requirements. Please contact us should you need further help or have any queries or problems you would like to discuss.

Yours faithfully,

[redacted]

Westcountry Mines and Property Surveys

GLOSSARY

Adit: horizontal tunnel driven from low ground to drain or ventilate mine workings
Alluvium: sand, clay, and rock debris deposited by a river
Burrow: mine waste dump
Caunter Lode: lode running in different direction to general lode trend
Crosscourse: sheet like geological feature striking across the general direction of the lodes
Dip: angle of inclination of lode or rock structure from the horizontal
Drive: horizontal tunnel (verb) meaning to advance a tunnel
Elvan: intrusive igneous rock (quartz-porphyries) occurring in the form of veins and dykes
Granite: igneous rock, crystalline compound of quartz, feldspar and mica
Greenstone: Cornish term "blue elvan" igneous intrusion genetically related to granite
Huel: ancient name for mine corrupted into "Wheal"
Kaolinisation: alteration of granite to clay and sand from solid rock
Killas: general Cornish term given to sedimentary rocks
Level: underground horizon on which tunnels are driven
Lode: mineralised vein producing ore
Leat: water course
Mundic: iron pyrites, arsenic and sulphur - arsenopyrite
Open Cast: where minerals are worked on surface
Outcrop: surface penetration of geological features such as lodes or rock formations
Sett: area of ground leased for mining
Shaft: vertical excavation to connect underground workings to surface, providing access
Stope: underground excavation from which ore is extracted
Streaming: extraction of tin ore (cassiterite) from alluvium
Tailings: waste products of ore-dressing
Underlie: angle of inclination from the vertical of a geological structure

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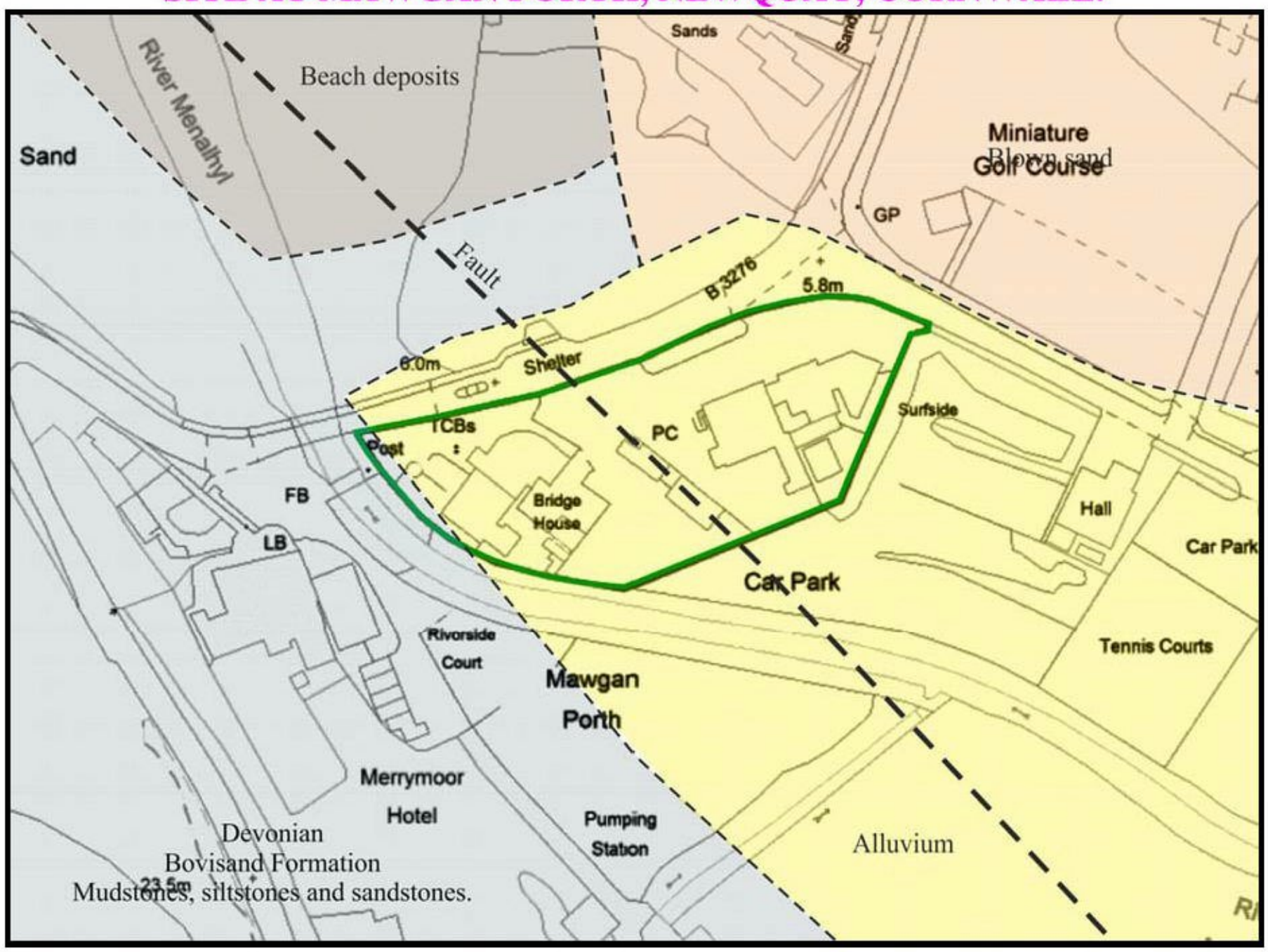
MINING SEARCH PLAN

SITE AT MAWGAN PORTH, NEWQUAY, CORNWALL.



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MINE SEARCH PLAN

DRAWN BY: NAP

Not to Scale

Plan Ref: 67040

Nat Grid Ref SW 849677

Date 08/02/2021

E-mail: info@westcountrymines.co.uk

KEY

Accurate & approximate locations of known, indicated and suspected shafts/wells and their zone of influence.

Accurate & approximate locations of lodes and crosscourses outcropping at surface.

Possible locations of lodes & crosscourses with unknown or uncertain elevations.

Underground levels or adits (where relevant).

Areas used for mine waste or dumps.

Disused quarries & possible surface mining activity.

Property boundary