



McDonald's Pontardawe Phase 1 Ground Conditions Desk Study

McDonald's Restaurants Limited

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EXECUTIVE SUMMARY

<i>SITE INFORMATION AND SETTING</i>	
Objectives	The objective of the Phase 1 Ground Conditions Desk Study is to formulate a Preliminary Site Conceptual Ground Model to identify key geo-environmental and geotechnical risks to the proposed development. The works have been commissioned to support the planning application.
Client	McDonald's Restaurants Limited.
Site name and location	McDonald's Pontardawe. Tesco's Superstore, adjacent to A4067, Alltwen, Pontardawe, SA8 3AZ. The site is located between the A4067 and the River Tawe, within the car park of the Tesco's Superstore. The National Grid Reference of the approximate centre of the site is 272290E, 203500N.
Proposed development	The proposed development is to comprise a new McDonald's Restaurant and two small units for Auto Village; approximately 28 parking spaces will be reallocated from the existing (Tesco) car park for McDonald's customers to use.
<i>PHASE 1 (DESK STUDY AND SITE RECONNIASANCE)</i>	
Site Description	The site is roughly rectangular in shape, measuring approximately 60m northeast to southwest by 50m northwest to southeast, with an area of approximately 0.31 ha. The site is currently a car park for the Tesco superstore to the southwest. The asphalt car park was visually in good condition with few repairs and no obvious cracking or settlement. A set of high-voltage overhead powerlines cross the site from the east corner to the west corner. In the north-easternmost car parking spaces there were a set of large manhole covers. Water could be heard flowing beneath these covers, suggesting they may be related to the drainage of the car park and could possibly relate to one of the recorded mine adits.
Site History	Review of historical Ordnance Survey (OS) mapping indicates: • The site was recorded as 'old coal level' with spoil heaps noted on the maps indicating coal mining operations being undertaken on site. • By 1961, no buildings are noted on site with a footpath crossing through the site. Overhead power lines are shown to cross the site. • By 2009, the Tesco Superstore is visible on OS mapping and is recorded as per the layout seen in 2020. • The surrounding area saw many chemical works and tin plate works, to the northeast and northwest of the site in the 1880s. However, by 1961, these operations had largely stopped and both sites have since been redeveloped.
Site Geology	The geology at the site consists of Made Ground over Devensian Glaciofluvial Deposits (sand and gravel), underlain in turn by bedrock geology of the Carboniferous Brithdir Member, comprising mudstone, siltstone and sandstone. The (younger) Hughes Member (sandstone), which overlies the Brithdir Member, outcrops adjacent to the south of the site. Alluvium, comprising clay, silt, sand and gravel, is mapped adjacent to the north of the site. Two coal seams are mapped to the south of the site, the Glyngwilym Coal Seam is mapped within the Brithdir Member, whereas the Hughes Coal Seam is mapped on the boundary between the Brithdir and Hughes Member. The Glyngwilym Coal Seam is approximately 0.45m thick and the Hughes Coal Seam is approximately 0.50m thick. Occasionally, the Hughes Coal Seam is shown to split into two seams, both approximately 0.5m thick, with a 2m parting between each seam.
Coal Mining	Three adits are recorded by the Coal Authority Consultants Report immediately northeast of the site. These adits are related to the mining of the above-named seams. It is not known to what extent the adits have been treated, as the Local Authority and the Coal Authority do not currently have access to the archived records relating to this.
Site Sensitivity	The Glaciofluvial Deposits comprise a Secondary A Aquifer and the Brithdir Member is also a Secondary A Aquifer. The site is not within a Source Protection Zone.

	The River Tawe flows from northeast to southwest, 35m northwest of the site at an elevation approximately 10m lower than the site.
UXO Risk	A non-specialist UXO assessment indicates a low bomb risk.
Previous Investigation and Assessment	Multiple ground investigations and quantitative risk assessments have been undertaken for the site, relating to the existing Tesco Superstore. Planning conditions relating to land contamination for the site were discharged, based upon the outcomes of the reports produced by John Grimes Partnership. Review of the reports that have been obtained indicates that the site is underlain by between 4.70m and 7.5m of Made Ground over the Brithdir Member. In some places beneath the site, thin Glaciofluvial Deposits have been encountered, but in many cases Made Ground was recorded directly onto bedrock.

ASSESSMENT AND CONCLUSIONS

Preliminary Geotechnical Hazards	The following plausible geotechnical risks are identified. - Variable Made Ground and Glaciofluvial Deposits - settlement or differential settlement of foundations, floor slabs, roads and infrastructure elements. - Low strength compressible Alluvium – risk of shear failure and excessive settlement of foundations, roads and infrastructure elements. - Attack of buried concrete by aggressive ground conditions – the development site may contain Made Ground and potentially sulfate bearing soils. - Shrinkage/swelling of clay – settlement/heave of foundations, especially where located within the influence of trees and vegetation. - Loose Made Ground and shallow groundwater, leading to difficulty with excavation due to trench instability. - Instability of slopes and impact on foundations, floor slabs, roads and infrastructure and construction plant. - Existing retaining features supporting car park potentially unsuitable to support additional loads. - Below ground obstructions relating to historical buildings and mine adits and the risk of instability of excavations with the impact on construction staff, vehicles and plant operators. - Earthworks – Low bearing capacity or settlement of new fill and impact on foundations, floor slabs, roads and infrastructure and construction plant. - Potential for unforeseen ground conditions and the risks associated with limited data.									
Preliminary Geo-environmental Conclusions	Based on historical land uses and its current operational use, the overall risk from land contamination at the site is considered to be ‘low’ for the current development, and ‘moderate’ for a redeveloped site, but would need to be confirmed by appropriate intrusive investigation, testing and assessment of the results of the investigation. It is considered that it is unlikely that the site would be classified as Contaminated Land under Part 2A of the EPA 1990. The possible pollutant linkages on an unremediated site determined by desk study and walk-over are summarised below for risk levels of moderate or greater. <table><tr><th>Source(s)</th><th>◀ potential Impact on ▶</th><th>Receptor(s)</th></tr><tr><td>Metals, metalloids, PAH, petroleum hydrocarbons and asbestos in Made Ground below the site.</td><td></td><td>Site users Neighbours Groundwater</td></tr><tr><td>Hydrocarbon fuels, from adjacent petrol filling station migrating onto the site.</td><td></td><td>Site users Neighbours Buildings Groundwater</td></tr></table>	Source(s)	◀ potential Impact on ▶	Receptor(s)	Metals, metalloids, PAH, petroleum hydrocarbons and asbestos in Made Ground below the site.		Site users Neighbours Groundwater	Hydrocarbon fuels, from adjacent petrol filling station migrating onto the site.		Site users Neighbours Buildings Groundwater
Source(s)	◀ potential Impact on ▶	Receptor(s)								
Metals, metalloids, PAH, petroleum hydrocarbons and asbestos in Made Ground below the site.		Site users Neighbours Groundwater								
Hydrocarbon fuels, from adjacent petrol filling station migrating onto the site.		Site users Neighbours Buildings Groundwater								

	Ground gases (carbon dioxide and methane) from organic materials in the Made Ground, Alluvium and Glaciofluvial Deposits beneath the site.	Site Users Buildings
	Ground gases (carbon dioxide and methane) from adits adjacent to site and possible worked coal seams adjacent to site.	Site Users Buildings
	Pontardawe Chemical Works (and associated tanks) including elevated concentrations of metals and metalloids, chlorides and sulphides, sulphuric acid, asbestos fibres and asbestos containing materials, petroleum hydrocarbons, polychlorinated biphenyls (PCBs) and coal/coke residues.	Site users Buildings Groundwater

FUTURE CONSIDERATIONS

Further work	In order to confirm the actual risks to receptors and confirm the ground conditions with respect to potential geotechnical and geo-environmental risks, an appropriate intrusive investigation will need to be undertaken. This investigation will need to: • determine the depth and distribution of Made Ground and natural strata across the site; • determine the soil strength/density profile beneath the site; • determine the depth/level of groundwater beneath the site; • assess the distribution and extent of adits under/immediately adjacent to the site. • determine the ground gas concentrations beneath the site; • determine CBRs to assist with pavement design; • assess trench stability, overbreak potential and 'diggability'; • allow soil infiltration rate testing; • allow sampling for chemical and geotechnical laboratory testing; • allow soil classification to allow geotechnical characterisation and determine suitability for reuse of soils within earthworks; • obtain information in terms of Aggressive Chemical Environment for Concrete Class (ACEC Class). Following investigation, assessment will be required to: • update the Ground Model; • update the Geotechnical Risk Register; • provide Geotechnical Design recommendations; • update the Conceptual Site Model (CSM), including identification of plausible pollution linkages; • undertake generic quantitative risk assessment of potential chemical contaminants to establish 'suitability for use' under the current planning regime; • discuss potential environmental liabilities associated with land contamination (soil, water and gas); and • provide outline mitigation recommendations to ensure the site is 'suitable for use'.
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This Executive Summary forms part of Hydrock Consultants Limited report number 15297-HYD-XX-XX-RP-GE-1001 and should not be used as a separate document.

1. INTRODUCTION

1.1 Terms of reference

In April 2020, Hydrock Consultants Limited (Hydrock) was commissioned by McDonald's Restaurants Limited (McDonald's) (the Client) to undertake a desk study at Tesco's Superstore, adjacent to A4067, Alltwen, Pontardawe, Neath Port Talbot, SA8 3AZ. The site is currently the car park for the Tesco Superstore, 140m southwest of the site.

Hydrock understands that the proposed development is to comprise a new McDonald's Restaurant and two small units for Auto Village; approximately 28 parking spaces will be reallocated from the existing Tesco car park for McDonald's customers to use. A proposed development layout (Drawing: 'Proposed McD Plan'; 5029 Pontardawe; Dwg. No. 5029FEASpg5, Phase 1, Issue 6), is presented in Appendix A.

The works have been undertaken in accordance with Hydrock's proposal (Ref: McDonald's Pontardawe Geo Fee Proposal, dated 6th April 2020) and the Client's instructions to proceed (Ref: email, dated 16/04/2020). Only the Phase 1 Ground Conditions Desk Study was commissioned from Hydrock's fee proposal; Hydrock will update the Phase 2 fee proposal on completion of the Phase 1 Ground Conditions Desk Study report.

1.2 Objectives

The works have been commissioned to support the planning application.

The objective of the Phase 1 Ground Conditions Desk Study is to formulate a Preliminary Site Conceptual Ground Model to identify key geo-environmental and geotechnical risks to the proposed development.

1.3 Scope

The scope of the Phase 1 Desk Study comprises:

- a field reconnaissance (walkover) to determine the nature of the site and its surroundings including current and former land uses, topography and hydrology;
- acquisition and review of:
 - historical Ordnance Survey maps, to identify former potentially contaminative uses shown at the site and immediately surrounding it, and an assessment of the associated contamination risks;
 - a third-party environmental report, to identify flooding warning areas, local landfills, pollution incidents, abstractions, environmental permits etc. which may have had the potential to have environmental impact on the site;
 - topographical, geological and hydrogeological maps;
 - British Geological Survey (BGS) archive records;
 - regional UXB risk maps;
 - a site-specific Coal Authority 'Consultants Coal Mining Report';
 - the Coal Authority's Interactive Viewer;
 - a site-specific BGS Radon Report;
 - a site-specific BGS SuDs Report;

- a review of previous investigations carried out at the site;
- development of a preliminary Ground Model representing ground conditions at the site;
- development of an outline Conceptual Model (oCM), including identification of potential pollution linkages;
- a qualitative assessment of any geo-environmental risks identified; and
- identification of plausible geotechnical hazards.

1.4 Available information

The following have been provided to Hydrock by McDonald's for use in the preparation of this report:

- Tesco Stores Limited, 11th October 2019, 5029_Pontardawe_McD_RDG1 Approved Feasibility Pack, 5023FEASPG5 Issue 6.
- Scurr Architects, March 2020, Tesco, Gwyn's Drift Pontardawe 'Site Location Plan', on behalf of McDonald's Restaurants Limited. Dwg. No. 6682-SA-XXXX-AL01.
- Scurr Architects, November 2013, Tesco, Gwyn's Drift Pontardawe Site 'Key Site Plan', on behalf of McDonald's Restaurants Limited. Dwg. No. 6682-SK-002.

It has been assumed that the Client has commissioned or obtained assignment of the above documents and that Hydrock is entitled to full reliance upon their contents.

The following documents have been reviewed by Hydrock from the Neath Port Talbot County Borough Council Planning portal for use in the preparation of this report:

- SKM; 13th June 2008, Tesco Store, Gwyn's Drift Pontardawe Extension; Geotechnical Report Adoptable Works; Project No. SE1418,2 Issue A. Planning No. P2008/0708.
- John Grimes Partnership; Tesco Stores Limited Pontardawe; Areas of required excavation due to lead and arsenic exceedance, dated April 2005; Job No. 3920; Dwg No. 04; Planning No. P2005/0756.
- John Grimes Partnership; Tesco Stores Limited Pontardawe; Contoured surface lead concentrations, dated April 2005; Job No. 3920; Drawing No.03; Planning No. P2005/0756.

John Grimes Partnership were contacted with regards to the reports that they had compiled for the site and were able to send across a copy of their report which has been used in the preparation of Hydrock's report:

- John Grimes Partnership, Quantitative Risk Assessment for Contamination Land adjacent to A4067, Pontardawe. 28th April 2004 Job No. 3920.

Hydrock acknowledge that these documents are not assigned to the Client, and these have been used for information purposes only. No formal reliance has been placed upon their contents.

1.5 Regulatory context and guidance

The geo-environmental section of this report is written in broad agreement with BS 10175:2011+A2:2017, 'Land Contamination: Risk Management' (LCRM, 2019) and the AGS (2006) 'Good Practice Guidelines for Site Investigations'.

The methods used follow a risk-based approach, with the first stage being a Phase 1 desk study and field reconnaissance (this report), with the potential geo-environmental risk assessed qualitatively in

future report using the 'source-pathway-receptor contaminant linkage' concept to assess risk as introduced in the Environmental Protection Act 1990 (EPA, 1990).

The geotechnical section of this report is prepared in general accordance with BS EN 1997 (EC7) and BS 8004:2015. This report forms the Preliminary Sources Study Report (PSSR) as defined by DMRB CD622.

Remaining uncertainties and recommendations for further work are listed in Section 5 and Section 6.

Reference to the technical details of the approach and the methodologies adopted are provided in Appendix G.

2. PHASE 1 STUDY (DESK STUDY AND FIELD RECONNAISSANCE)

2.1 Data

A number of desk study sources have been used to assemble the following information. These are presented in Appendix D and include:

- Third-party environmental report (Envirocheck report, Ref: 241492517_1);
- Historical Ordnance Survey mapping;
- BGS Archive Records;
- Zetica UXB Risk Maps (<https://zeticauxo.com/downloads-and-resources/risk-maps/>);
- Coal Authority 'Consultants Coal Mining Report' (Ref: 51002283306001);
- Coal Authority's Interactive Viewer (<http://mapapps2.bgs.ac.uk/coalauthority/home.html>);
- BGS Radon Report (Ref: BGS_308501/11263); and
- BGS SuDs Report (Ref: BGS_308501/11262).

As part of the desk study, a number of previous ground investigations undertaken at the site have been reviewed (see Section 1.4). Whilst these provide useful information, data from these have not been taken into account during the preparation of this report due to the lack of complete data sets. However, conclusions from these reports have been used to inform ground conditions, where deemed appropriate.

2.2 Site referencing

The site is referenced in Table 2.1 and the location is indicated in Figure 2.1 and Figure 2.2.

Table 2.1: Site referencing information

Item	Brief Description
Site name	McDonald's Pontardawe.
Site address	Tesco's Superstore, adjacent to A4067, Alltwen, Pontardawe, SA8 3AZ.
Site location and grid reference	The site is located between the A4067 and the River Tawe, within the car park of the Tesco Superstore. The National Grid Reference of the approximate centre of the site is 272290E, 203500N.



Figure 2.1: Site location

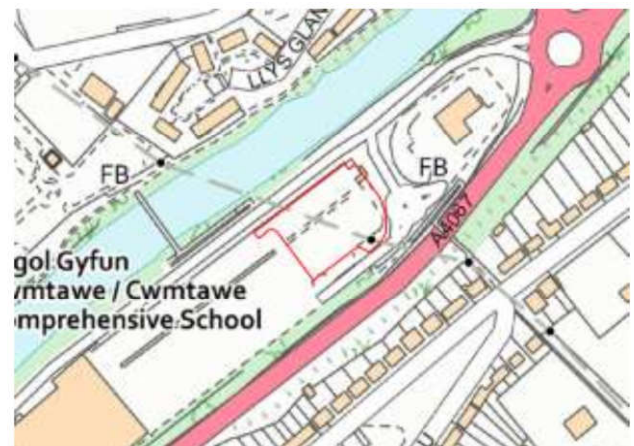


Figure 2.2: Extract from the Ordnance Survey Map.

A site location plan (Hydrock Drawing: 15297-HYD-XX-XX-DR-GE-1001) is presented in Appendix A.

2.3 Site description and field reconnaissance survey

A field reconnaissance survey was undertaken on 21st April 2020 to visually assess potential geotechnical hazards, contaminant sources and receptors. The weather during the field reconnaissance survey was sunny. Access was permitted to all areas of the site. However, no photos of the adjacent Tesco petrol station forecourt condition were allowed due to restrictions on mobile phones/cameras; a description of its condition is given below.

A basic site description is presented in Table 2.2 and photographs are presented in Appendix B.

Table 2.2: Site description

Item	Brief Description
Site access	The site was accessed from the roundabout on the A4067 following the access road into the Tesco car park. There is a pedestrian access on the northeast boundary of the site where the bus stop is located on the northeast boundary.
Site area	The site is roughly rectangular in shape, measuring approximately 60m northeast to southwest by 50m northwest to southeast, with an area of approximately 0.31 ha.
Elevation, topography and any geomorphic features	The site gently slopes from the southwest to the northeast dropping from roughly 34m AOD to 33m AOD. The natural slope of the site would have been from southeast to the northwest sloping down from the A4067 towards the River Tawe. However, the land has been reprofiled to facilitate the construction of the existing Tesco car park, which is retained along the northwest boundary by a reinforced soil slope, to allow for a delivery access road between the car park and the River Tawe. The southeast boundary is benched from the car park to the A4067; however, traversing southwest, away from the site, towards the Tesco Superstore, this turns into a soil nailed slope, supporting the A4067.
Present land use	The site is currently a car park for the Tesco Superstore to the southwest. The asphalt car park was visually in good condition with few repairs and no obvious cracking or settlement. A set of high voltage overhead powerlines cross the site from the east corner to the west corner. In the north-easternmost car parking spaces there were a set of large manhole covers. Water could be heard flowing beneath these covers suggesting they may be related to the drainage of the car park or to one of the adits previously used for coal mining.
Vegetation	The northeast and southeast boundaries both have small shrubs planted along them, whilst the northwest boundary has semi mature trees planted along it. There was no visible evidence of any invasive species
General site sensitivity	The site is generally within the residential area of Pontardawe, with an industrial park seen 370m to the northeast of the site. The nearest ecologically sensitive area near to the site is the River Tawe which is located 25m north of the site.
Site boundaries and surrounding land	The northeast boundary is formed of the access road from the A4067 roundabout with the Tesco petrol station approximately 50m northeast of the site. The southeast boundary is formed by a stepped slope up to the A4067. This stepped slope progresses into a soil nailed slope to the southwest, towards the Tesco Superstore. The southwest boundary is open to the rest of the Tesco car park with the Tesco Superstore 100m southwest. The northwest boundary comprises a reinforced soil slope, standing at approximately 70 degrees. This reinforced soil slope supports the Tesco car park and provides access for deliveries to the Tesco Superstore between the car park and River Tawe. This reinforced soil slope is approximately 1.5m high on the site's boundary increasing to 3-4m high to the southwest, next to the Tesco Superstore.

A site walkover plan (Hydrock Drawing: 15297-HYD-XX-XX-DR-GE-1002) is presented in Appendix A.

2.4 Site history

A study of historical Ordnance Survey maps (Appendix C) has been undertaken to identify any former land uses at the site and surrounding areas which may have geotechnical or geo-environmental implications for the proposed development. The key findings are summarised in Table 2.3.

Table 2.3: Site history review

Reference	Key Features on Site	Key Features off Site
OS Map ¹ 1877 - 1884: 1:2,500 and 1:10,560	There are three buildings on site: two on the southeast boundary and one on the northeast boundary. There is a cutting (excavation), which probably relates to a spoil heap, that extends outside of the site boundary to the southwest. The term ' <i>Old Coal Level</i> ' is labelled in the centre of the site.	- Tramway, orientated northwest to southeast, located 20m northeast. - River Tawe, orientated northeast to southwest, and flowing towards the southwest, located 35m northwest. - Tramway, orientated northwest to southeast and, located 25m southwest, - Swansea Vale Railway line, orientated northeast to southwest, and located 30m southeast. - Pontardawe Chemical works, 30m northeast. - Coke Ovens, 115m northwest. - Flour Mill, 120m northeast. - Pontardawe Tin Plate Works, 440m northwest.
OS Map 1898-1900: 1:2,500 and 1:10,560 (Part of the map around the north of the site is missing)	The buildings on site have grown in size and take up more of the site.	The Pontardawe Chemical Works, to the northeast, has grown in size and the adjacent flour mill no longer exists. The Pontardawe Tin Plate Works has now become the Pontardawe Steel and Tin Plate Works and has also increased in size and is located 210m northwest of the site with Tramways running from the chemical works to the steel and tin works. Swansea canal is shown to the north of the steel and tin works.
OS Map 1918 – 1921 1:2,500 and 1:10,560	' <i>Coal level</i> ' is still recorded on site. Only two buildings are mapped on the site with the third just outside the site boundary to the northeast. A chimney (Chy) is recorded on site between the buildings. A track is shown to run from the site southwest to a spoil heap.	The Tramway northeast of the site is no longer labelled, and looks disused. The Tramway to the southwest has become part of the Swansea Vale Railway Line. More houses are recorded 250m southeast as the population of the area grows. A railway station is located 225m northeast of the site; a goods shed and cattle pen are located between this railway station and the chemical works. Sewage works are located 370m southwest of the site, owned by the Pontardawe Council.
OS Map 1941–1942 1:2,500 and 1:10,560	The ' <i>Old Coal Level</i> ' is recorded on site again. Only one building is recorded on site, with the chimney adjacent to this building.	A tank is recorded 75m northeast in the chemical works. More residential houses have been built to the north and east of the site.

¹ Ordnance Survey Historical Map Information provided by Envirocheck.

Reference	Key Features on Site	Key Features off Site
	The track running to the southwest is now labelled as a footpath.	Filter beds are shown to extend southwest out of the sewage works. <i>'New Sheet Mills'</i> is mapped 420m northeast of the site.
OS Map 1953 1:10,560	Only one building is now mapped on site and a spilt level is shown. The chimney has been removed.	The tramway to northeast no longer exists. The cattle pen is no longer labelled.
OS Map 1961- 1965 1:2,500	No buildings are shown on site. Generally, consists of spoil heaps. The footpath running southwest is now labelled as a track. Overhead electrical cables are shown to run from southeast to northwest.	The Chemical works to the northeast has reduced in size and is formed of two buildings. The Swansea Valley Railway Line is now labelled as the mineral railway. The steel and tin works to the northwest are now labelled as disused; the tramway to the southwest of the site appears disused and no longer leads from the main railway line to the steel and tin works. The railway sidings around the steel and tin works are labelled as disused. The <i>'New Sheet Mills'</i> has been removed from mapping a bus depot is now located on a portion of the old site.
OS Map 1968- 1974: 1:2,500 (The map is missing sections to the west of the site)	The site remains unchanged.	The chemical works site to the northeast has become a haulage contractors' yard. A factory is located 150m northeast of the site. The steel and tin plate works to the northwest has become an industrial estate. The mineral railway to the south has been removed and the station is no longer mapped northeast of the site. The location of <i>'New Sheet Mills'</i> is now an industrial estate including a bus depot, three engineering works, a refrigeration equipment factory and a fibreglass bathroom factory. The surrounding area has seen an increase in residential housing. The sewage works have become playing fields.
OS Map 1982- 1984: 1:2,500 and 1:10,000	Site remains unchanged.	The Mineral railway to the southeast of the site is now labelled as a dismantled railway. An abattoir is now mapped on the industrial estate to the northeast of the site
OS Map 1988- 1989: 1:2,500	Less spoil heaps are mapped on site.	The haulage contractors' yard and factory are no longer mapped to the northeast of the site. The A4067 is now mapped 30m southeast of the site with a roundabout mapped 120m northeast. The works is still recorded 150m northwest in the vicinity of the old steel and tin works.
OS Map 1992- 1999: 1:10,000	Site remains unchanged.	A school is constructed approximately 300m west of the site on the opposite side of the River Tawe. Otherwise the surrounding area remains unchanged.

Reference	Key Features on Site	Key Features off Site
Google Earth Imagery 2000	Site appears derelict, generally brown in colour, with a few trees along the northwest boundary.	Two buildings are shown to the northeast in the location of the haulage contractors' yard.
OS Map 2009 1:10,000	Site has become a car park for Tesco superstore.	An unnamed building has been built 130m southwest of the site, this is the Tesco superstore, with the Tesco petrol station 50m northeast of the site. An access road runs between the site and the River Tawe.
OS Map 2020 1:10,000	Site remains unchanged.	Surrounding area is unchanged.

2.5 Geology

The general geology of the site area is shown on the British Geological Survey (BGS) 1:50,000 geological map of Neath (Sheet 230) and the 1:10,560 British Geological Survey (BGS) map sheet SN70SW which has been digitally reproduced as part of the Envirocheck report and is summarised in Table 2.4. Extracts from the map are shown in Figure 2.3 and Figure 2.4.

Table 2.4: Geology

Ref. for Figures	Location	Stratigraphic Name	BGS Description
Superficial Deposits (Figure 2.3)			
GFDUD	On site.	Glaciofluvial Deposits	Deposited by meltwater streams and includes mostly sand and gravel with some finer grained layers of clay and silt, and locally lenses of clay or organic material.
ALV	50m northwest.	Alluvium	Soft to firm consolidated, compressible silty clay, but can contain layers of silt, sand, peat and basal gravel. A stronger, desiccated surface zone may be present.
ALF	150m northwest.	Alluvial Fan Deposits	Low outspread relatively flat to gently sloping masses of loose rock material shaped like a fan or segment of a cone. Deposited by streams and generally comprises sand and gravel.
Solid Geology (Figure 2.4)			
BD	On site.	Brithdir Member	Green grey Pennant sandstones with conglomerate lenses at bases of units of thin mudstone/siltstone and mainly thin coal.
BD	45m north.	Brithdir Member	Green grey Pennant sandstone with interbeds of seatearth and mainly thin coals.
H	75m south (Higher in elevation and stratigraphy)	Hughes Member	Green grey Pennant sandstones with thin mudstone/siltstone and mainly thin coals.



Figure 2.3: Superficial deposits.

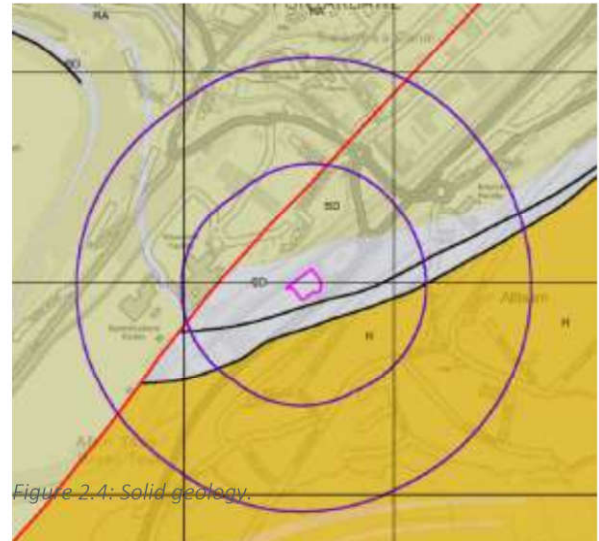


Figure 2.4: Solid geology.

Made Ground deposits are recorded in the west of the site and extend southwest to cover the extent of the Tesco Superstore footprint and the remainder of the Tesco car park. It is expected that Made Ground was probably colliery spoil prior to the construction of the Tesco Superstore and is now an engineered fill beneath the car park.

Glaciofluvial Deposits are recorded in the eastern half of the site. Alluvium is not mapped on the site, but is mapped to the north of the River Tawe.

The bedrock geology beneath the site comprises the Brithdir Member (approximately 50m thick). The (geologically younger) Hughes Member (approximately 20m thick) overlies the Brithdir Member and is recorded to outcrop at the ground surface to the south of the site, at a higher elevation. The geological dip of the Brithdir Member is 12 degrees to the south.

The BGS map records the approximate line for the Swansea Valley Disturbance, which is mapped as a fault (break in the rock) on the electronic maps. The fault is orientated northeast to southwest with the southeast side of the fault downthrown.

Two coal seams are mapped to the south of the site, the Glyngwilym Coal Seam is mapped within the Brithdir Member. The Hughes Coal Seam is mapped on the boundary between the Brithdir and Hughes Members. The Glyngwilym Coal Seam is approximately 0.45m thick and the Hughes Coal Seam is approximately 0.50m thick. Occasionally, the Hughes Coal Seam is shown to split into two seams, both approximately 0.5m thick, with a 2m parting between each seam.

A number of borehole logs from the BGS archive have been reviewed and are included in Appendix D for reference. Selected records are summarised below:

- BH59A (dated 24/04/1985), located 20m to the east of the site on the A4067 roundabout (NGR: 272349E, 203491N, 36.95m AOD), drilled to a depth of 6.00m bgl (30.95m AOD) and recorded:
 - Made Ground (ash and brick) between ground level and 1.00m bgl;
 - Hard grey Sandstone, between 1.00m and 4.00m bgl (Brithdir Member); and
 - Void (void possible workings) between 4.00m and 6.00m bgl. Void inspected by use of down the hole video camera.
- BH59B (dated, 30/04/1985), located 20m to the east of the site on the A4067 roundabout (NGR: 272350E, 2034921N, 36.95m AOD), drilled to a depth of 9.50m bgl (27.45m AOD) and recorded:

- Made Ground (ash and stone fill) between ground level and 1.00m bgl;
- Weak to moderately strong grey yellow brown moderately weather siltstone, between 1.00m to 2.90m bgl;
- Weak grey silty mudstone, between 2.90m and 3.75m bgl;
- Weak light grey thinly bedded slightly weathered siltstone, between 3.75m and 4.60m bgl;
- Weak to strong with depth grey thinly bedded mudstone, between 4.60m and 7.70m bgl;
- Strong grey fine grained sandstone, between 7.70m and 9.20m bgl; and
- Weak dark grey thinly laminated slightly weathered mudstone, between 9.20m and 9.50m bgl.
- Groundwater seepage at 3.00m bgl.

2.6 Previous Investigation and Assessment

The historical geotechnical report (SKM; 13th June 2008, Tesco Store, Gwyn's Drift, Pontardawe Extension, Geotechnical Report Adoptable Works; Project No. SE14182 Issue A.) summarises the conclusions of two ground investigations (Hydrock have only seen summaries of the below reports and no borehole/trial pit logs have been reviewed).

For completeness, these summaries are provided below:

- ***Pontardawe Coals & Metals Co Limited; Land adjacent A4067; Geo-environmental Investigation Report; Oscar Fabre; Job No: G20204, dated 13/3/2001.***
 - The Made Ground was of variable thickness across the site and tending to be thicker away from the river. It consisted mainly of colliery spoil;
 - The Glaciofluvial Deposits were found at variable depths across the Tesco site. As a result, coal seams were not encountered beneath the site. It is thought that any coal seams beneath the site were lost in the course of glacial and subsequent erosion;
 - Alluvium was found in some areas of the site but Glaciofluvial (sand and gravel) Deposits were recorded across the site;
 - The bedrock comprised mudstone/siltstone at the northeastern end (under proposed McDonald's) and sandstone at the southern end (under existing Tesco Superstore);
 - The colliery waste material on site was found to contain some pyrite as well as slag. In both cases, expansion may occur over time due to chemical changes; and
 - Piled foundations were recommended with suspended floor slabs and ground gas mitigation measures to mitigate the elevated levels of carbon dioxide recorded.
 - Chemical laboratory testing found elevated concentrations within the Made Ground (above appropriate threshold levels) of arsenic, copper, nickel, zinc, mercury, selenium and total phenol, of these only mercury and selenium were considered to be of concern.
- ***Anthony Hunt Associates Limited; Ground Investigation at Gwyns Drift, Pontardawe, Structural Soils Limited; Report No. 31070, dated July 2004.*** Logs from this ground investigation were included within the Quantitative Risk Assessment for Contamination report, completed by John Grimes Partnership. Two boreholes from this ground investigation, that are relevant to the proposed McDonald's, have been summarised below:
- BH103 (dated 19/11/2003) located on the east corner of the proposed McDonald's site, drilled to a depth of 5.00m bgl (31.56m AOD), recorded: Made Ground, consisting of soft to firm black grey

gravelly clay with fragments of brick and coal from ground level (36.56m AOD) to 4.70m bgl (31.86m AOD). Strong grey sandstone was recorded beneath the Made Ground, between depths of 4.70m bgl and 5.00m bgl.

- BH104 (dated 21/11/2003) located on the southern corner of proposed McDonald's site, drilled to a depth of 9m bgl (27.35m AOD), recorded: Made Ground, consisting of soft to firm ashy gravelly clay, including clinker, brick, concrete, and coal, from ground level (36.35m AOD) to 7.5m bgl (27.85m AOD). Medium dense to very dense sand and gravel (Glaciofluvial Deposits) were recorded between 7.5m bgl (27.85m AOD) and 9.00m bgl (27.35m AOD). This borehole refused within the Glaciofluvial Deposits.
- Trial pits from this ground investigation were undertaken across the proposed McDonald's site and all recorded Made Ground. Most of these trial pits did not prove the thickness of Made Ground, i.e. did not encounter any natural strata.
- Groundwater levels across the site were high; seepages were encountered at about 1m bgl and more rapid inflows at 4m bgl within the Glaciofluvial Deposits.
- Driven piles, terminating in the dense or very dense gravel (Glaciofluvial Deposits), were recommended, with suspended floor slabs, unless ground improvement is undertaken on the Made Ground.
- The report concluded that significantly elevated concentrations of lead, arsenic, copper and zinc had been recorded within the Made Ground, and that for all areas of soft landscaping, 0.50m of clean uncontaminated soil be placed between final ground levels and any Made Ground that is left in place.
- A third report is referenced within the SKM Geotechnical Report, which is '**Validation report for Tesco, Pontardawe, dated 8th April 2005; John Grimes Partnership**'. Two drawings relating to this report were also found on the Neath Port Talbot County Borough Council Planning portal under Planning Ref: P2005-0756, and are summarised below:
 - Bioavailability of lead and arsenic has been assessed by this report.
 - **John Grimes Partnership; Tesco Stores Limited, Pontardawe, Contoured Surface Lead Concentrations, dated April 2005; Job No. 3920; Drawing No.03; Planning No. P2005/0756.** This drawing shows contoured lead concentrations across the wider site and the proposed McDonald's site. It records levels of lead in the area of the proposed McDonald's between 500mg/kg and 3000mg/kg and identifies two areas within the location of the proposed McDonald's that exceed the Site-Specific Assessment Criterion (SSAC) for lead. This SSAC was calculated in line with guidance of the time and may not be in line with current guidance. These areas of exceedance were proposed to be excavated from beneath the proposed McDonald's and placed beneath hardstanding approximately 50m southwest of the site in another area of the Tesco's car park. This drawing only relates to lead exceedances.
 - **John Grimes Partnership; Tesco Stores Limited, Pontardawe, Areas of required excavation due to lead and arsenic exceedance, dated April 2005; Job No. 3920; Drawing No. 04.** This drawing shows where material is required to be excavated as it exceeds threshold targets for arsenic and lead. Most of the areas requiring excavation are beneath the location of the proposed McDonald's.

2.7 Hydrogeology

2.7.1 Aquifer designations

Based on the inferred geological sequence presented in Section 2.5 and the Environment Agency's interactive aquifer designation map, the aquifer system presented in Table 2.5 applies.

Table 2.5: Aquifer system

Stratum	Aquifer Designation	Comments
Made Ground	Unclassified	Artificial ground not included in the classification system. Likely to be moderate to high porosity because of unconsolidated nature, but permeability is likely to be constrained to low, or low to moderate because of poor sorting and clay content.
Superficial Deposits		
Glaciofluvial Deposits	Secondary A Aquifer	Intergranular permeability. Dominated by moderate to high permeability layers of sand and occasional gravel, interbedded with low permeability clay. Groundwater flow is likely to be variable and discontinuous as water migrates around low permeability areas.
Solid Geology		
Brithdir Member	Secondary A Aquifer	Other than in respect of worked coal seams, likely to be Generally characterised by low permeability and isotropic. Coal workings are likely to have created a significant secondary porosity and permeability and large volumes of groundwater can be present in abandoned workings, with associated potentially high rates of flow.

2.7.2 Groundwater abstraction

There are no active licensed groundwater abstractions within 500m of the site.

2.7.3 Groundwater source protection zones and groundwater vulnerability

The site is not within a groundwater Source Protection Zone (SPZ).

Groundwater vulnerability is medium and is combined classification of superficial and bedrock.

2.7.4 Groundwater levels, recharge, and flow

Groundwater has been recorded between 1m and 4m bgl from historical ground investigations within the Glaciofluvial Deposits, with the depth recorded dependant on the thickness of Made Ground encountered on site.

It is therefore expected to have one groundwater body within the Glaciofluvial Deposits, with a deeper regional groundwater body within the underlying Brithdir Member. These groundwater bodies are likely connected as the Glaciofluvial Deposits comprise granular material allowing flow between to the two strata.

Three (mine) adits are recorded adjacent to the north of the site; it is currently not clear as to whether these affect the site's drainage.

The flow of the River Tawe is to the southwest and the groundwater within the superficial and bedrock deposits is considered to be in continuity with this surface water feature.

The BGS SuDs report (Ref: BGS_308501) indicates that there are one or more significant constraints on site relating to on site infiltration, suggesting that on site infiltration is unlikely to be viable.

The groundwater is reported in the BGS SuDs report as being less than 3m bgl and that there is a very high likelihood of persistent or seasonally shallow groundwater beneath the site.

2.7.5 Groundwater quality

The groundwater body beneath the site (Swansea Carboniferous Coal Measures Water body ID: GB41002G201000) is currently (2018 Cycle 2) classified under the Water Framework Directive as 'poor'.

The water body is currently given a 'poor' status due to 'chemical dependant surface water body' conditions. This is likely related to the industrial legacy in the surrounding area.

2.7.6 Groundwater flooding

The Landmark Envirocheck report indicates a potential for groundwater flooding to occur at surface.

2.8 Hydrology

2.8.1 Surface water system and drainage

The surface water features in the vicinity of the site are listed in Table 2.6 and, where appropriate, are marked on the site walkover plan (Hydrock Drawing: 15297-HYD-XX-XX-DR-GE-1002) in Appendix A.

Table 2.6: Surface water features

Feature	Location Relative to Site
Afon Tawe (River Tawe)	35m northwest.
Upper Clydach River	145m northeast.

2.8.2 Surface water abstractions and discharges

Table 2.7 summarises the active licensed surface water abstractions within 1km of the site.

Table 2.7: Surface water abstractions

Location Relative to Site	Purpose of Abstraction
561m north.	Permit start date: 11 th August 1992; no end date. Water may be abstracted from single point. Water supply related to effluent/slurry dilution.
808m southwest.	Permit start date: 6 th March 2007; no end date. Water may be abstracted form a single point. Petrochemicals/hydraulic testing.

There are three active and two historical licensed surface water discharges within 500m of the site. They are listed in Table 2.8.

Table 2.8: Surface water discharges

Location Relative to Site	Purpose of Discharge
<i>Active</i>	
237m northeast.	Dwr Cymru Sewerage network, Sewage discharge storm tank overflow. Discharge River Tawe. Effective.
326m southwest.	Dwr Cymru Sewerage network, Pontardawe Leisure Centre, Ynysderw Road, Pontardawe, SA8 4EG. Sewage discharge storm tank overflow. Discharge River Tawe. Effective.
427m north.	Dwr Cymru Sewerage network, Pat Chowan Court, Herbert Street, Pontardawe, Swansea, SA8 4EA. Sewage discharge storm tank overflow. Discharge River Tawe. Effective.
<i>Expired</i>	
136m northeast.	West Glamorgan Council Swansea Valley, A4067 Glais to Pontardawe outfall. Discharge River Tawe. Consent expired.
255m north.	West Glamorgan Council Swansea Valley A4067 Glais To Pontardawe Outfall. Discharge River Tawe. Consent expired.

2.8.3 Surface water quality

The River Quality of the River Tawe as measured by the Environment Agency's General Quality assessment (GQA) Scheme is Grade A. This means the quality of the River Tawe is very good.

2.8.4 Surface water flooding

The desk study information indicates the proposed development is in a low flood risk area (a chance of flooding between 1 in 1000 (0.1%) and 1 in 100 (1%)).

No further consideration of flood risk is undertaken in this report. Specialist flood risk advice should be sought with regard to drainage and flooding.

2.9 Mining and mineral extraction

The Coal Authority online viewer (<http://mapapps2.bgs.ac.uk/coalauthority/home.html>) indicated that two coal seams (that have been worked) outcrop to the south of the site (both within the Tesco car park, and south of the A4067) and these off-site areas have been classified as development high risk areas. It also indicated that three mine entries are located on the northeast boundary of the site (Ref: 272203-007 'Ynysfechan Outfall; 272203-008 and; 272203-014 'Ynysfechan Colliery').

A 'Consultants Coal Mining Report' was obtained from The Coal Authority and is included in Appendix D. The reader is referred to this for further information, but the salient details are provided below:

- There are no records of past underground mining;
- There are no probable unrecorded shallow workings;
- There are no outcrops recorded within the site boundary; and
- There are three mine adits on/or immediately adjacent to the northeast boundary; these are listed in Table 2.9, below.

Table 2.9: Mine Entries

Entry Type	Reference	Grid Reference	Treatment Description	Mineral
Adit	2722203-007	272308E, 203538N	This adit was investigated by West Glamorgan County Council as part of the A4067 Swansea Valley Trunk Road Scheme in 1987. Drainage works were undertaken as part of the treatment works.	Coal
Adit	2722203-008	272328E, 203512N	This adit was investigated by West Glamorgan County Council as part of the A4067 Swansea Valley Trunk Road Scheme in 1987. Drainage works were undertaken as part of the treatment works.	Coal
Adit	2722203-014	272336E, 203545N	No Description.	Coal

The 'SKM; 13th June 2008, Tesco Store, Gwyn's Drift Pontardawe Extension, Geotechnical Report Adoptable Works; Project No. SE14182; Issue A' report references several drawings obtained from the Neath Port Talbot County Borough Council (formerly West Glamorgan Council) for the A4067 Swansea Valley Route Glais to Pontardawe; these are as follows:

- 26.349/S.I.12 'Abandoned Coal workings' dated 02/1985; and
- 26:1349/Su/N1 'Treatment of N.C.B Adit' dated 11/1986.

These drawings have not been obtained and summaries of these drawings were not given within the report. The Coal Authority have been contacted; however, they do not have any more information than what is included in the table above. Neath Port Talbot County Borough Council were then contacted about the mine treatment records and stated that the records are possibly held within Archives which they couldn't access at the time of writing, due to the Covid-19 Lockdown.

The three recorded adits, could in fact be one, or several phases of the worked adit. Adits are often driven into the hillside via the river bank as this is where the first outcrop would have been found. It is possible that this adit was later replaced/made defunct by excavations on site, hence the 'old coal working level' on historical maps. Regardless, we can assume that same adit extended beneath the old railway line/now A4067 into the hillside, and that this was subsequently 'remediated' or used as drainage for the A4067.

The BGS borehole record 'BH59A' was drilled in 1985, prior to the A4067 trunk road scheme, in the vicinity of the A4067 roundabout, adjacent to the northeast of the site. This borehole located a void, between 4m and 6m below ground level, that is potentially related to either one of the adits or underground working.

The elevation of the void found in BH59A between 32.95m and 30.95m, is below the elevation of the site (33/34m OD), but given that we know the site has been worked, then reprofiled, we can conclude that this void (likely working and/or adit) is associated with the old coal level beneath the site.

BH103 recorded Made Ground to a depth of 31.86m AOD on to sandstone bedrock on-site in the vicinity of the coal adits suggesting that significant reprofiling of the site has been undertaken on site and any shallow coal on site relating to the Glyngwilym seam has been removed and replaced with Made Ground.

The ground conditions described within the SKM report suggest that no coal seams were encountered beneath the site and that thick Made Ground and superficial deposits were encountered.

No planning condition was put against the Tesco development (Planning Condition P2003/0825); however, a note to the developer was put against underground mining and read as follows:

‘Underground mining operations may be been prospected beneath this site and the developer is advised to seek appropriate technical advice in order to decide what precautions if any need to be taken to reduce the risk of damage from subsidence’.

To conclude; the desk study information indicates that coal seams outcrop outside of the site boundary and shallow worked coal seems are unlikely to present on-site and therefore unlikely to pose a risk to the proposed development. The main risk is related to the recorded adits, and whether all of the adits have been treated during the construction of the A4067, Tesco Superstore and car park. Obtaining the records for the treatment of these adits would mean the risk could be reassessed. If these records do not exist then ground investigation would be required to determine the location and condition of these adits.

2.10 Natural ground instability

Alluvium is recorded to the northwest of the site. However, historical ground investigations have recorded Alluvium on site. These soils are compressible and have the potential, when loaded, to result in significant settlement of the ground resulting in damage to structures.

The BGS SuDs report indicates that compressible ground is recorded along the northwest boundary of the site and that increased on-site infiltration may cause unwanted settlement issues.

The Landmark Envirocheck report corroborates this, indicating that other than the risk of compressibility, which is designated as being of ‘moderate’ hazard potential, all other ground stability hazards are designated ‘low’, ‘very low’ or ‘no hazard’.

2.11 Waste management

There are no current or historical waste management sites recorded within 250m of the site.

2.12 Regulatory consultation

Information in the Envirocheck Report (Appendix D), relating to various regulatory controls has been reviewed, with a summary presented below in Table 2.9.

Table 2.9: Regulatory information within 500m of the site

Regulatory Data	Distance from Site	Details	Potential Risk	Comment
Local Authority Pollution Prevention and Controls	50m north.	Authorised petrol filling station and associated car wash.	Yes	Due to its proximity to the site.
	188m northwest.	Authorisation has varied. Coating in drum manufacturing and reconditioning process.	No	Due to being positioned on the opposite side of the River Tawe, which is likely to form a barrier to migrating contamination, and pollution unlikely to affect the site.
Pollution Incidents	46m west.	March 1995; Crude Sewage; Category 3 – minor incident.	No	Due to age and the Category 3 classification of the incident.

Regulatory Data	Distance from Site	Details	Potential Risk	Comment
	67m north.	September 1995; Crude Sewage; Category 3 – minor incident.	No	Due to age and the Category 3 classification of the incident.
	162m north.	September 1994; pollution unknown; Category 3 – minor incident.	No	Due to age and the Category 3 classification of the incident.
	199m northeast.	December 1991; blocked sewer; pollutant unknown; Category 2 – Significant incident.	Yes	Due to the severity of the incident, this may have had an impact on groundwater beneath the site.
	188m northwest.	Inactive; Steel Manufacturers.	No	Due to distance and direction from the site.
	287m east.	Inactive; domestic appliances service and repair.	No	Given the distance from the site, small-scale industry and small volumes of potential contaminants.
	258m northwest.	Active; road haulage services.	No	Due to the small volumes of potential contaminants and its distance from the site.
Control of major accident hazards sites (COMAH)	N/A	No COMAH sites recorded within 500m of the site.	No	
Registered radioactive substances	N/A	No entries on registered radioactive substances were recorded within 500m of the site.	No	-
Notification of installations handling hazardous substances	N/A	No entries on notification of installations handling hazardous substances were recorded within 500m of the site.	No	-

2.13 Consultations

The Neath Port Talbot County Borough Council Environmental Health team was contacted on the 1st May 2020 and stated that:

- They have records in relation to land contamination identified during the construction of the Tesco Superstore and associated car park;
- John Grimes Partnership undertook the quantitative risk assessment and validation reports for the site; and
- These reports were used to discharge associated contaminated land planning conditions for the Tesco Superstore. P2005/0756 Approval of details under condition 28 (contamination) of previous planning consent P2003/0825. Tesco Superstore.

John Grimes Partnership was contacted and the Quantitative Risk Assessment was made available to us; However, the Validation Report was not. This Quantitative Risk Assessment contained borehole and trial pit logs from the Structural Soils Limited site investigation, undertaken for the site (summarised in

Section 2.6). Hydrock can use the above the information to give an indication of ground conditions beneath the site; however, no reliance can be placed upon this information and site investigation will have to be undertaken to confirm the levels of contamination beneath the site.

A record of the correspondence is attached within Appendix D.

2.14 Natural soil chemistry

Information contained within the environmental report (Appendix D) gives indicative (estimated) concentration values for the natural soils at the site for a selection of Contaminants of Potential Concern (CoPC). These have been reproduced in Table 2.10.

Table 2.10: Natural soil chemistry

Element	Arsenic	Cadmium	Chromium	Lead	Nickel
Concentration (mg/kg)	25-35	1.8-3.0	60 - 90	<100	30-45

2.15 Evidence of historical contamination

Previous ground investigations indicate:

- The colliery waste material on site was found to contain some pyrite as well as slag. In both cases, expansion may occur over time due to chemical changes;
- Chemical laboratory testing found elevated concentrations within the Made Ground above appropriate threshold levels of arsenic, copper, nickel, zinc, mercury, selenium and total phenol, of these only mercury and selenium were considered to be of concern;
- The report (Anthony Hunt Associates Limited; Report No. 31070) concluded that significantly elevated concentrations of lead, arsenic, copper and zinc had been recorded, and that for all areas of proposed soft landscaping, 0.50m of clean uncontaminated soil is placed between final ground levels and any Made Ground that is left in place.

The contamination on site was assessed by John Grimes Partnership and validation of the remedial works was also completed by John Grimes Partnership. These reports have not been available for review; however, Neath Porth Talbot County Borough Council was happy with the conclusions of this report to discharge planning condition 28, relating to land contamination for the site. The discharge notice is attached in Appendix D.

2.16 Radon

The radon risk is reported in the environmental report and in a BR 211 Radon Report obtained from the British Geological Survey.

The guidance indicates that the site is in a Radon Affected Area where recorded radon levels in 1-3% of homes are above the action level but no radon protection measures are required for new buildings at this location in line with current guidance.

However, consideration should be given to fitting basic protection measures on the 'as low as reasonably practicable' principle in view of advice given to householders and the legal responsibilities of rental landlords and employers with commercial properties (see reference in Appendix G for further information).

2.17 Unexploded ordnance (UXO)

In general accordance with CIRIA Report C681 (Stone et al 2009), a non-specialist UXO screening exercise has been undertaken for the purposes of ground investigation and is presented in Table 2.11 .

Table 2.11: Non-specialist UXO screening (for the purposes of ground investigation)

Data	Comment	Further Assessment Required
Site History	There is no indication of former military use from the desk study.	No
Post War Development	Historical mapping shows no evidence of bomb damage on site or within the surrounding area.	No
Geology Type	The ground conditions comprise Made Ground over Glaciofluvial Deposits on to the Brithdir Member. The superficial deposits would prevent bombs penetrating to significant depth below the surface without explosion.	No
Surface Cover during WWI	The surface cover during WWII comprised one building and areas of spoil heaps. It is unlikely UXO would remain undetected. The site has been redeveloped since WWII and UXO would have been identified during the construction of the Tesco Superstore.	No
Indicator of Aerial Delivered UXO	Screening against the bomb risk map in Appendix D indicates the site to be in an area where the bomb risk is low.	No

The non-specialist UXO screening exercise has indicated no further assessment is required with regard to UXO in relation to ground investigation. Further assessment may be considered prudent for construction activities.

3. OUTLINE CONCEPTUAL SITE MODEL

3.1 Introduction

The outline Conceptual Model (oCM) incorporates evidence from the site walkover, the Desk Study and previous investigations carried out at the site. The formulation of an outline Conceptual Model is a key component of the LCRM methodology. The oCM incorporates a ground model of the site physical ground conditions and an exposure model of the possible contaminant linkages; it forms the basis for Generic Quantitative Risk Assessment (GQRA) in accordance with current guidelines.

3.2 Ground model

The preliminary ground model presented in Section 2 provides an understanding of the ground conditions and is the basis for preparing the preliminary geotechnical hazard assessment (Section 3.3) and the preliminary geo-environmental exposure model (Section 3.4).

3.3 Geotechnical hazard identification

3.3.1 Context

The preliminary geotechnical hazard identification has been undertaken in accordance with the general requirements of ICE/DETR Document 'Managing Geotechnical Risk' and the HE documents HD 41/15 and CD 622.

The following section sets out the identified geotechnical hazards and the development elements potentially affected (see Table E.1 in Appendix E for further information).

3.3.2 Plausible geotechnical hazards

Plausible geotechnical hazards identified at the site are:

- Uncontrolled Made Ground (variable strength and compressibility).
- Soft/loose compressible ground (low strength and high settlement potential).
- Shrinkage/swelling of the clay fraction of soils under the influence of vegetation.
- Variable lateral and vertical changes in ground conditions.
- Attack of buried concrete by aggressive ground conditions.
- Adverse chemical ground conditions, (e.g. expansive slag).
- Obstructions historical buildings and possible mine adits.
- Shallow groundwater.
- Risk from flooding.
- Loose Made Ground, leading to difficulty with excavation and collapse of side walls.
- Slope stability issues – retaining walls.
- Earthworks – unsuitability of site-won material to be reused as fill.
- Mining.

3.3.3 Potential development elements affected

Development elements potentially affected by geotechnical hazards are:

- Buildings – foundations.
- Buildings – floor slabs.
- Roads and pavements.
- Services.
- General slopes.
- Retaining walls.
- Construction staff, vehicles and plant operators.
- Concrete below ground.
- Earthworks control, inability to place and compact fill.

Health and safety risks to site Contractors and maintenance workers have not been assessed during these works and will need to be considered separately during design.

The above plausible geotechnical hazards and development elements affected have been carried forward for investigation and assessment.

3.4 Geo-environmental exposure model

3.4.1 Context

The preliminary exposure model is used to identify geo-environmental hazards and to establish potential pollution linkages, based on the source-pathway-receptor (SPR) approach.

A viable pollution linkage requires all the components of an SPR to be present. If only one or two are present, there is no linkage and no further assessment is required.

3.4.2 Potential contaminants

For the purpose of this assessment the potential contaminants have been separated according to whether they are likely to have originated from an on-site or off-site source.

Potential on-site sources of contamination

- Made Ground, associated with historical coal mining activities on site and old site buildings, including elevated concentrations of metals, metalloids, asbestos fibres, asbestos containing materials, polycyclic aromatic hydrocarbons (PAH) and petroleum hydrocarbons (S1).
- Made Ground, associated with the construction of the Tesco car park (possibly contaminated fill); contaminants could include metals, metalloids, asbestos fibres, asbestos containing materials, polycyclic aromatic hydrocarbons (PAH) and petroleum hydrocarbons (S2).
- Ground gases (carbon dioxide and methane) from organic materials present in Made Ground Alluvium and/or Glaciofluvial Deposits (S3).
- Radon gases; 1-3% of houses are above the action level (S4).

Potential off-site sources of contamination

- Tramways, 20m northeast and 25m southwest, and Swansea Vale Railway, 30m southeast; contaminants of concern include asbestos containing materials, petroleum hydrocarbons, and polycyclic aromatic hydrocarbons (S5)

- Pontardawe Chemical Works (and associated tanks), 30m northeast, including elevated concentrations of metals and metalloids, chlorides and sulphides, sulphuric acid, asbestos fibres and asbestos containing materials, petroleum hydrocarbons, polychlorinated biphenyls (PCBs) and coal/coke residues (S6);
- Haulage Contractor's Yard, 30m northeast, including elevated concentrations of metals, metalloids, petroleum hydrocarbons, and waste oil (S7);
- Petroleum hydrocarbons migrating from the petrol filling station and car wash, 50m to the north of the site (S8);
- Pontardawe Tin Plate Works, 150m northwest, including elevated concentrations of metals, metalloids, mineral acids, organic acids, oil, organic solvents, asbestos fibres, asbestos containing materials and polychlorinated biphenyls (PCBs) (S9);
- Ground gases (carbon dioxide and methane) from adits, possible mine workings and coal seams adjacent to the site (S10); and
- Ground gases (carbon dioxide and methane) from organic materials in the Alluvium and Glaciofluvial Deposits adjacent to the site (S11).

3.4.3 *Potential receptors*

The following potential receptors in relation to the proposed land use have been identified.

- People (neighbours, site end users) (R1).
- Development end use (buildings, utilities and landscaping) (R2).
- Groundwater: Secondary A aquifer status of the Glaciofluvial and Brithdir Member (R3).
- Surface water: River Tawe 35m northwest of site. (R4).

3.4.4 *Potential pathways*

The following potential pathways have been identified.

- Ingestion, skin contact, inhalation of dust and outdoor air by people (P1).
- Carbon dioxide and methane ingress via permeable soils and/or construction gaps (P2).
- Volatile organic compound (VOC) and petroleum hydrocarbon vapour ingress via permeable soils and/or construction gaps (P3).
- Root uptake by plants (P4).
- Migration of contaminant via leachate migration through the unsaturated zone in the Made Ground, Alluvium and/or Glaciofluvial Deposits (P5).
- Surface water via base flow from groundwater (P6).

Health and safety risks to site development contractors and maintenance workers have not been assessed as part of this study and will need to be considered separately.

The above sources, pathways and receptors have been considered as part of the Preliminary Risk Assessment in accordance with LCRM (2019), are considered to be plausible in the context of this site and have been carried forward for investigation and assessment. An assessment of the Source – Pathway – Receptor linkages is presented in Appendix F (Table F.1).

A summary of the plausible linkages is presented on the Initial Conceptual Model provided in Appendix A (Hydrock Drawing: 15297-HYD-XX-XX-DR-GE-1003).

4. DESK STUDY CONCLUSIONS

4.1 Geotechnical conclusions

The following plausible geotechnical risks are identified.

- Variable Made Ground and Glaciofluvial Deposits - settlement or differential settlement of foundations, floor slabs, roads and infrastructure elements.
- Low strength, compressible Alluvium – risk of shear failure and excessive settlement of foundations, roads and infrastructure elements.
- Shrinkage/swelling of clay – settlement/heave of foundations, especially where located within the influence of trees and vegetation.
- Variable lateral and vertical changes in ground conditions; potential for unforeseen ground conditions and the risks associated with limited data.
- Attack of buried concrete by aggressive ground conditions – the development site may contain Made Ground and potentially sulfate bearing soils.
- Adverse chemical ground conditions, (e.g. expansive slag).
- Below ground obstructions relating to historical buildings and mine adits and the risk of instability of excavations with the impact on construction staff, vehicles and plant operators.
- Loose Made Ground and shallow groundwater, leading to difficulty with excavation due to trench instability.
- Instability of slopes and impact on foundations, floor slabs, roads and infrastructure and construction plant.
- Existing retaining features supporting car park potentially unsuitable to support additional loads.
- Earthworks – unsuitability of site-won material to be reused as fill.

These plausible risks require further investigation and assessment (see Section 6).

4.2 Geo-environmental conclusions

Based on historical and current land uses and in accordance with the processes set out in Appendix G:

- It is considered that it is unlikely that the site would be classified as Contaminated Land under Part 2A of the EPA 1990.
- The overall risk from land contamination at the site is considered to be low for the current development, as it is covered by hardstanding limiting the possibility of direct contact with the soils, as well as the risk of significant rainwater infiltration leading to leaching.
- The overall risk for a redeveloped site is assessed to be moderate, but this would need to be confirmed by appropriate intrusive investigation, testing and assessment of the results of the investigation.

The possible pollutant linkages (for risk levels of moderate or greater) on an un-remediated redeveloped site, as determined by the desk study and walkover, are summarised in Table 4.1:

Table 4.1: Possible Pollutant Linkages (for Risk Levels of Moderate or Greater)

Source(s)	◀ potential Impact on ▶	Receptor(s)
Metals, metalloids, PAH, petroleum hydrocarbons and asbestos in Made Ground below the site.		Site users Neighbours Groundwater
Hydrocarbon fuels, from the adjacent petrol filling station (and car wash) migrating on to the site.		Site users Neighbours Buildings Groundwater
Ground gases (carbon dioxide and methane) from organic materials in the Made Ground, Alluvium and Glaciofluvial Deposits beneath the site.		Site Users Buildings
Ground gases (carbon dioxide and methane) from adits adjacent to site and worked coal seams adjacent to site.		Site Users Buildings
Pontardawe Chemical Works (and associated tanks) including elevated concentrations: metal and metalloids, chlorides and sulphides, sulphuric acid, asbestos fibres and asbestos containing materials, petroleum hydrocarbons, polychlorinated biphenyls (PCBs) and coal/coke residues		Site users Buildings Groundwater

These possible pollutant linkages require further investigation and assessment (see Section 6).

5. UNCERTAINTIES AND LIMITATIONS

5.1 Site-specific comments

Documents relating to the remediation of the site and the treatment of the mine adits adjacent to the site could not be obtained at the time of writing. The records are held in Neath Port Talbot County Borough Council archives, which are currently closed due to the Covid-19 lockdown. Uncertainties therefore remain about the on-site contamination and mine risk posed by the adits adjacent to the site.

5.2 General comments

Hydrock Consultants Limited (Hydrock) has prepared this report in accordance with the instructions of McDonald's Restaurants Limited (the Client), dated April 2020, under the terms of appointment for Hydrock, for the sole and specific use of the Client and parties commissioned by them to undertake work where reliance is placed on this report. Any third parties who use the information contained herein do so at their own risk. Hydrock shall not be responsible for any use of the report or its contents for any purpose other than that for which it was prepared or for use of the report by any parties not defined in Hydrock's appointment.

This report details the findings of work carried out in May 2020. The report has been prepared by Hydrock on the basis of available information obtained during the study period. Although every reasonable effort has been made to gather all relevant information, not all potential environmental constraints or liabilities associated with the site may have been revealed.

Groundwater data are only representative of the dates on which they were obtained and both levels and quality may vary.

Information provided by third parties has been used in good faith and is taken at face value; however, Hydrock cannot guarantee its accuracy or completeness.

Where the existing report(s) prepared by others have been provided by the Client, it is assumed that these have been either commissioned by the Client, or can be assigned to the Client, and can be relied upon by Hydrock. Should this not be the case Hydrock should be informed immediately as additional work may be required. Hydrock is not responsible for any factual errors or omissions in the supplied data, or for the opinions and recommendations of others. It is possible that the conditions described may have since changed through natural processes or later activities.

The work has been carried out in general accordance with recognised best practice. The various methodologies used are referenced in Appendix G. Unless otherwise stated, no assessment has been made for the presence of radioactive substances or unexploded ordnance. Where the phrase 'suitable for use' is used in this report, it is in keeping with the terminology used in planning control and does not imply any specific warranty or guarantee offered by Hydrock.

The non-specialist UXO screening has been undertaken for the purposes of ground investigation only (i.e. low risk activity in accordance with CIRIA Report C681). Further assessment should be undertaken with regards to other higher risk activities e.g. construction.

Please note that notwithstanding any site observations concerning the presence or otherwise of archaeological sites, asbestos-containing materials or invasive weeds, this report does not constitute a formal survey of these potential constraints and specialist advice should be sought.

Any site boundary line depicted on plans does not imply legal ownership of land.

6. RECOMMENDATIONS FOR FURTHER WORK

6.1 Ground investigation objectives

In order to confirm the actual risks to receptors and confirm the ground conditions with respect to potential geotechnical and geo-environmental risks, an appropriate intrusive investigation will need to be undertaken. This investigation will need to:

- determine the depth and distribution of Made Ground and natural strata across the site;
- determine the soil strength/density profile beneath the site;
- determine the depth/level of groundwater beneath the site;
- assess the geometry and extent of adits immediately adjacent to and/or beneath the site.
- determine the ground gas concentrations beneath the site;
- determine CBRs to assist with pavement design;
- assess trench stability, overbreak potential and 'diggability';
- allow soil infiltration rate testing;
- allow sampling for chemical and geotechnical laboratory testing;
- allow soil classification to allow geotechnical characterisation and determine suitability for reuse of soils within earthworks;
- obtain information in terms of Aggressive Chemical Environment for Concrete Class (ACEC Class).

Following investigation, assessment will be required to:

- update the Ground Model;
- update the Geotechnical Risk Register;
- provide Geotechnical Design recommendations;
- update the Conceptual Site Model (CSM), including identification of plausible pollution linkages;
- undertake generic quantitative risk assessment of potential chemical contaminants to establish 'suitability for use' under the current planning regime;
- discuss potential environmental liabilities associated with land contamination (soil, water and gas); and
- provide outline mitigation recommendations to ensure the site is 'suitable for use'.

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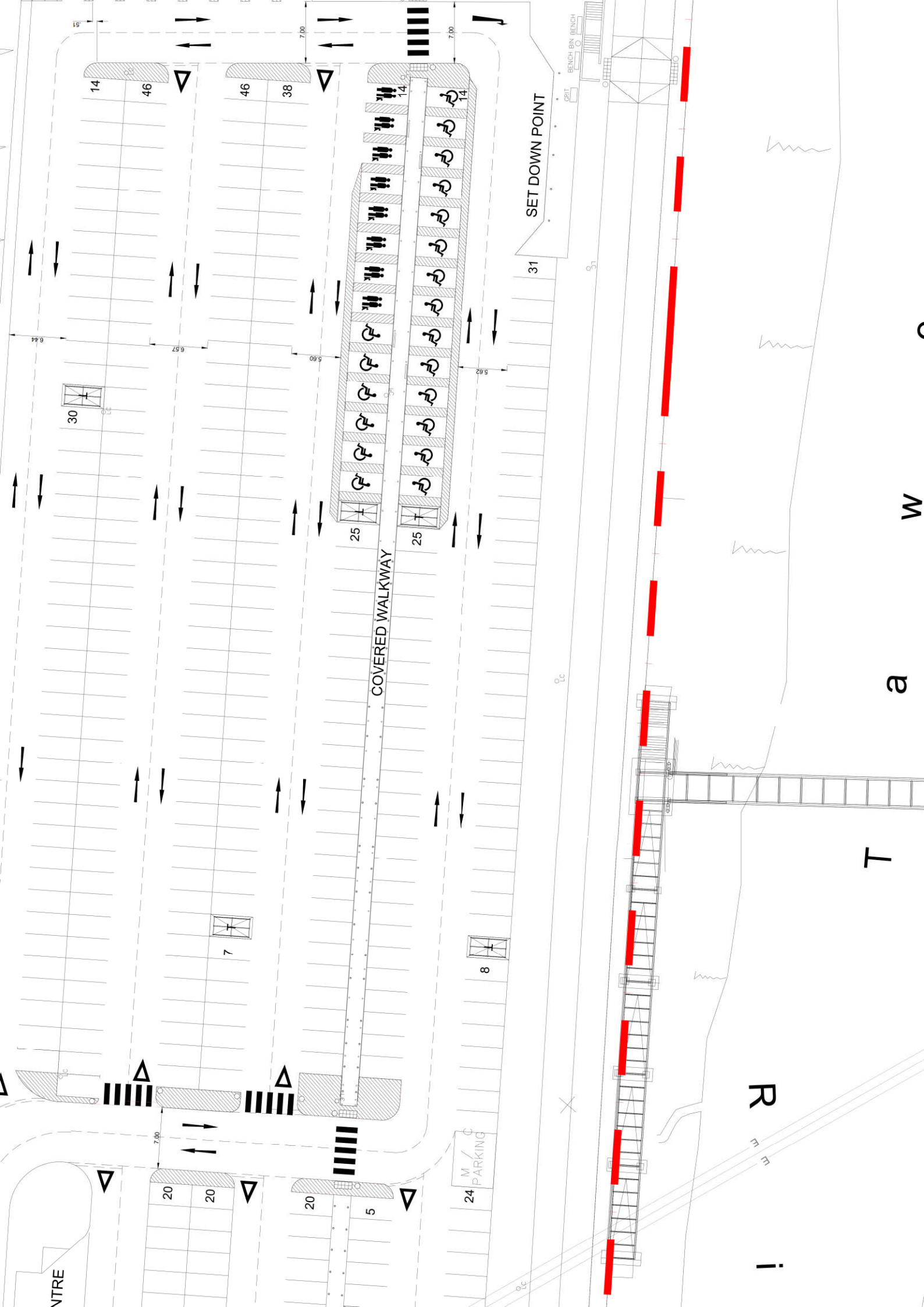
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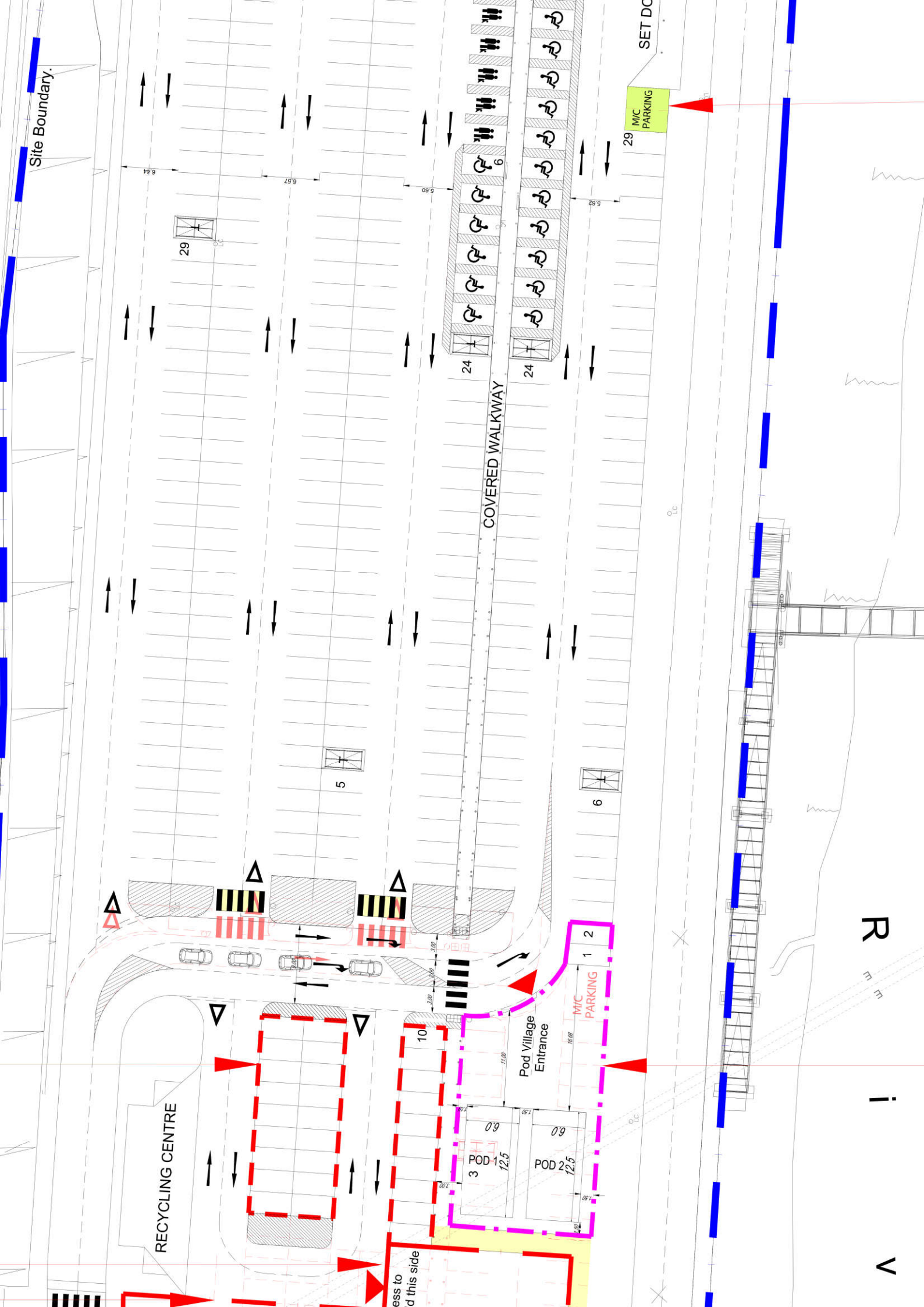
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Appendix A

Drawings



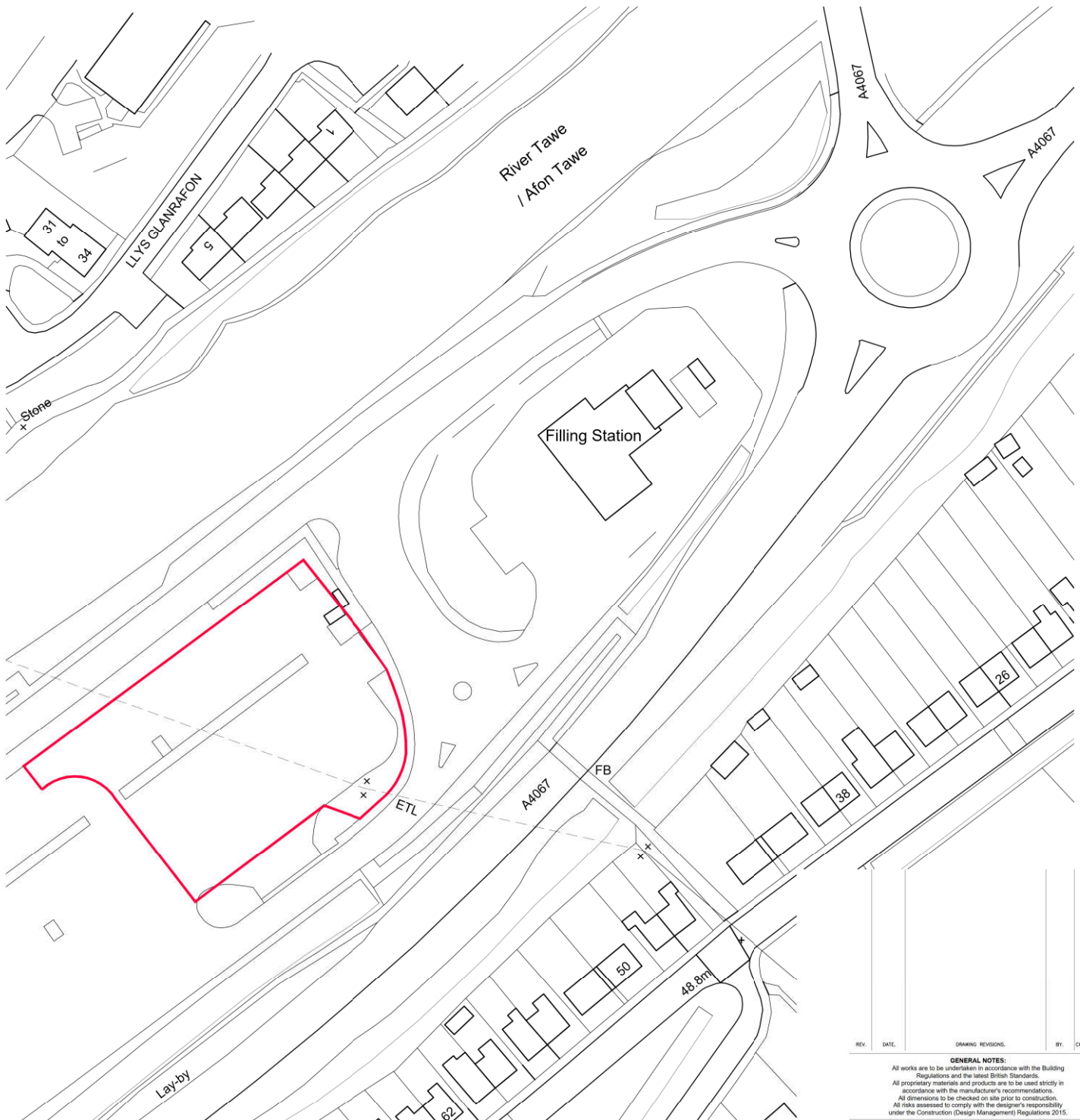




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Application Boundary:



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REV. DATE. DRAWING REVISIONS. BY. CHECKED

GENERAL NOTES:
All works are to be undertaken in accordance with the Building Regulations and the latest British Standards.
All proprietary materials and products are to be used strictly in accordance with the manufacturer's recommendations.
All dimensions to be checked on site prior to construction.
All risks assessed to comply with the designer's responsibility under the Construction (Design Management) Regulations 2015.

PROPOSED DEVELOPMENT AT STORE No : --

Tesco, Gwyn's Drift. TBC

PONTARDAWE SA8 3AZ

ON BEHALF OF : --

McDonald's Restaurants Ltd

DRAWING TITLE : --

Site Location Plan

DRAWN BY : JK CHECKED BY : DRAWING No. : 6682-SA-XXXX-AL01

SCALE & SIZE : 1:1250@A4 DATE : March 2020

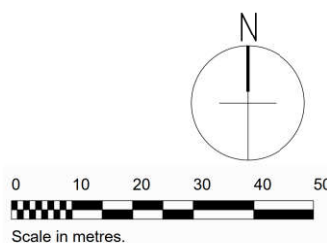


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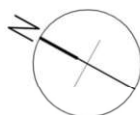
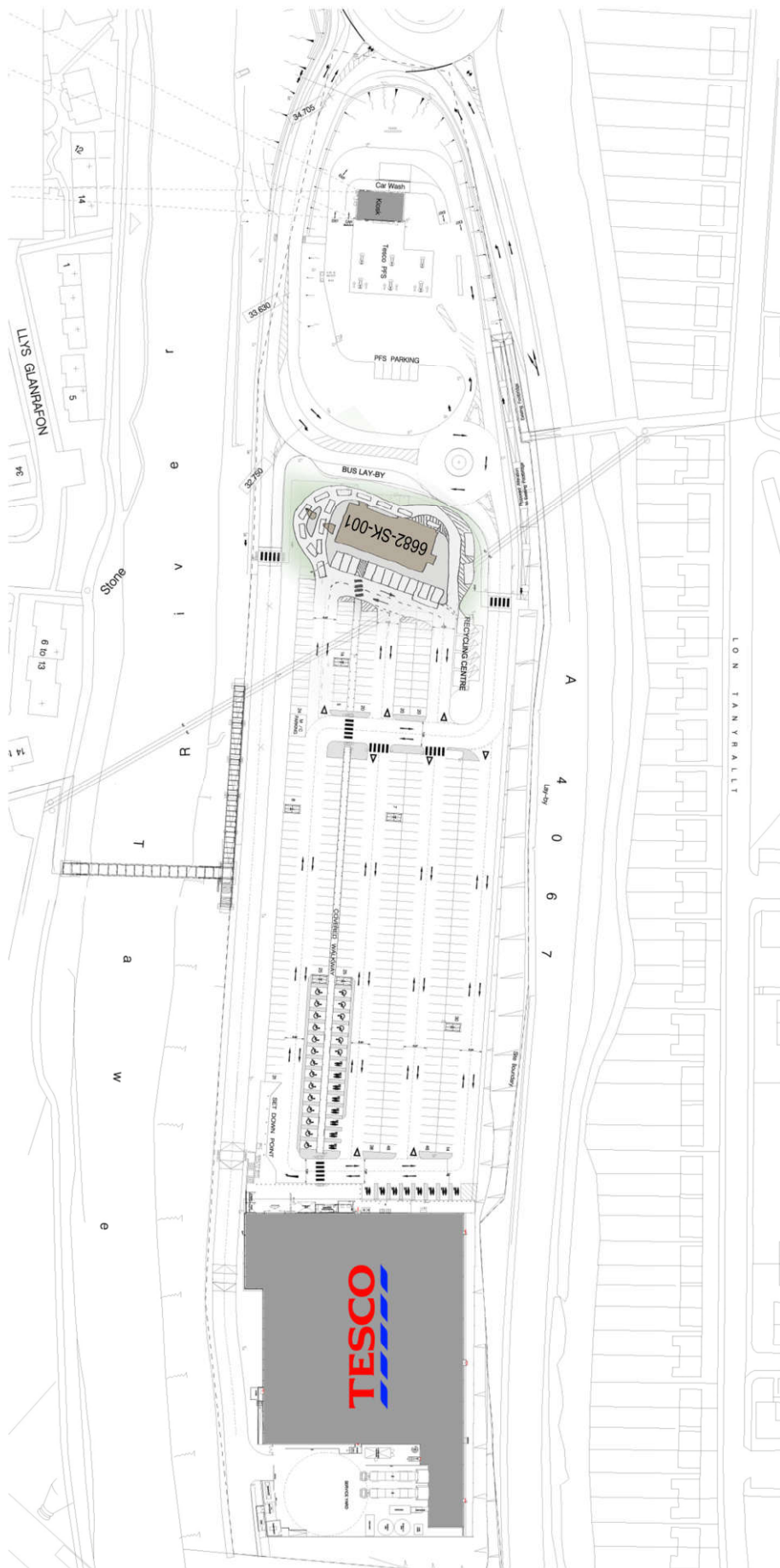
architects ■ designers ■ project managers

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Notes:
Key Site Plan drawings are not to scale.
This drawing is to be read in conjunction with
all other sketch schemes.

[illegible]

GENERAL NOTES:

All works are to be undertaken in accordance with the Building Regulations and the latest British Standards.

All proprietary materials and products are to be used strictly in accordance with the manufacturers' recommendations.

All dimensions to be checked on site prior to construction.

All risks assessed to comply with the designers responsibility under the construction (design management) regulations 2007.

STORE NO. :-

Pontardawe
Tesco Site

ON BEHALF OF : —
McDonald's Restaurants Ltd

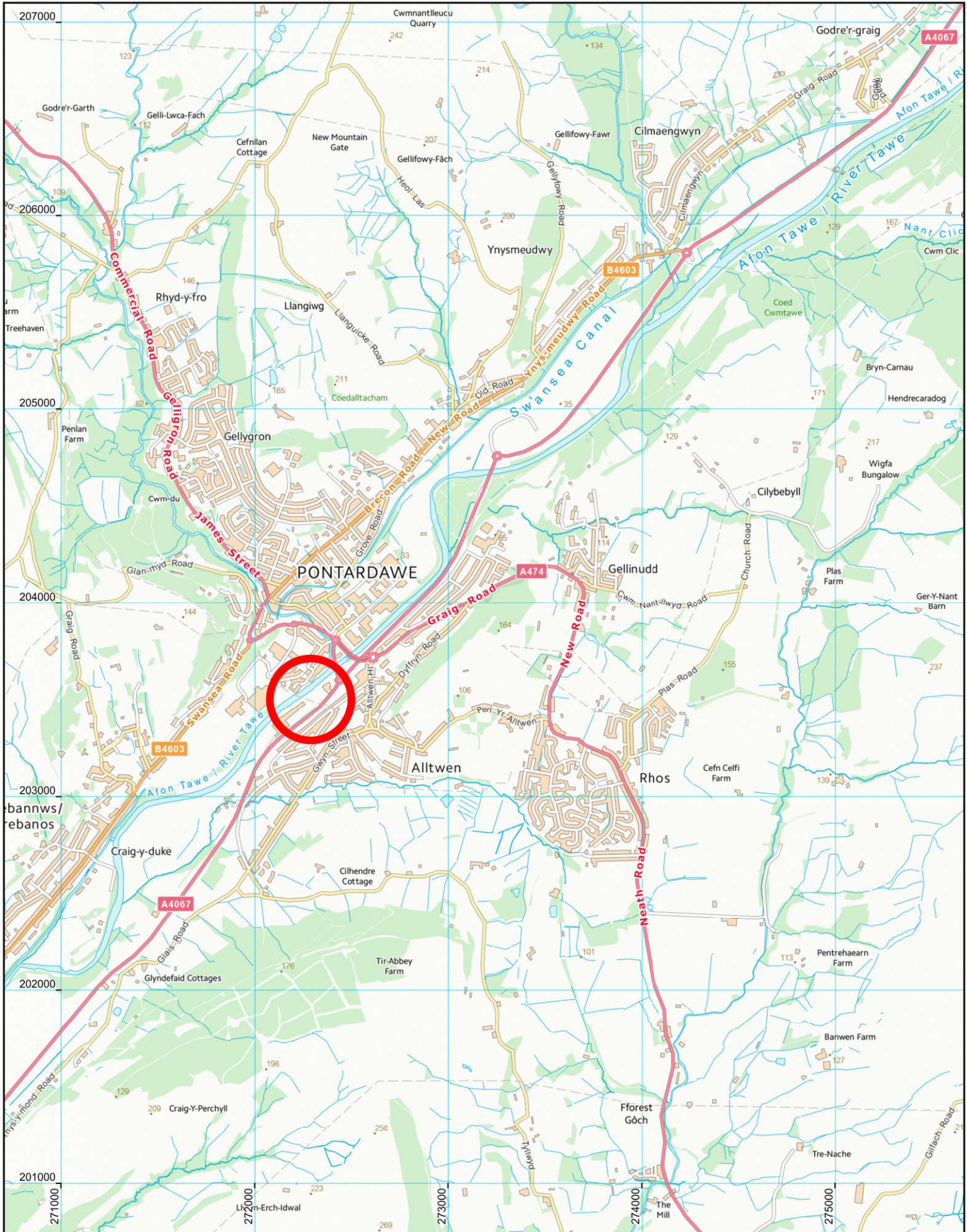
DRAWING TITLE :
Key Site Plan

DRAWN BY SM	CHECKED BY 	DRAWING NO. 6682-SK-002	REV. No. -
SCALE & SIZE A4	DATE Nov 2013		



architects ■ designers ■ project managers

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Site Ref: SN70

0 500 Metres

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t: +44(0) 2920 023 665
e: cardiff@hydrock.com

CLIENT

McDonald's Restaurants Limited

PROJECT

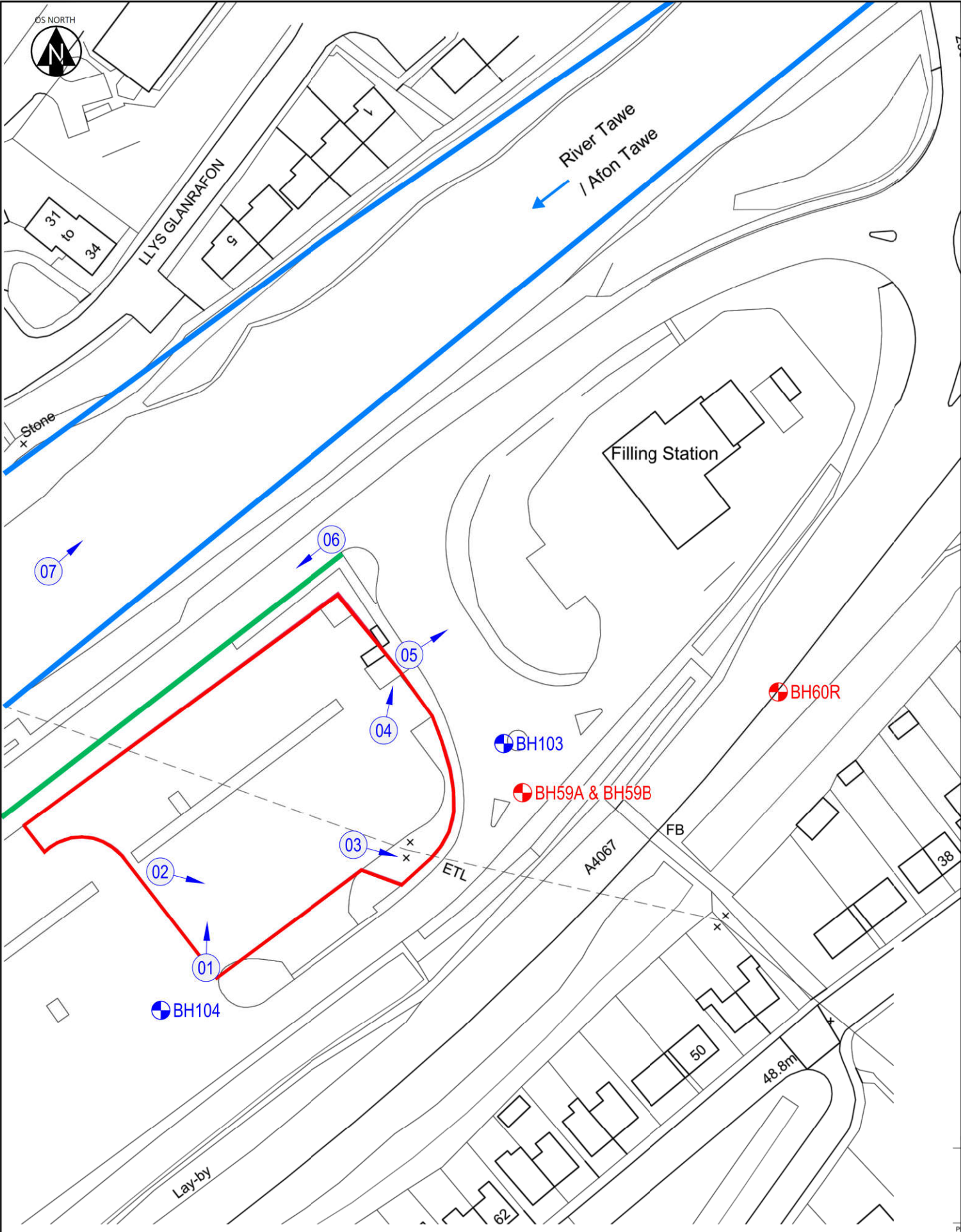
McDonald's Pontardawe

P1	FIRST ISSUE	EP	30/04/20	MH	30/04/20	AE	30/04/20
REV.	REVISION NOTES/COMMENTS						
	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	

TITLE

SITE LOCATION PLAN

HYDROCK PROJECT NO.	C-15297-C	SCALE @ A4	1:25,000
PURPOSE OF ISSUE	SUITABLE FOR INFORMATION	STATUS	S2
DRAWING NO. (PROJECT CODE-ORIGINATOR-ZONE-LEVEL-TYPE-ROLE-NUMBER)	15297-HYD-XX-XX-DR-GE-1001	REVISION	P1



KEY  Site boundary  BGS Borehole  Photo location and reference  Structural Soils Borehole 2003		NOTES 1. All dimensions are to be checked on site before the commencement of works. Any discrepancies are to be reported to the Architect & Engineer for verification. Figured dimensions only are to be taken from this drawing. 2. This drawing is to be read in conjunction with all relevant Engineers' and Service Engineers' drawings and specifications. 3. This drawing has been based on the following drawings and information: Site Location_Plan_6682_SA_XXXX_AL01.		4. All borehole positions are approximate and based on visual estimations from historical plans.		 5-19 Cowbridge Road East Cardiff CF11 9AB t: +44(0) 2920 023 665 e: cardiff@hydrock.com CLIENT McDonald's Restaurants Limited PROJECT McDonald's Pontardawe		TITLE SITE WALKOVER PLAN HYDROCK PROJECT NO. C-15297-C SCALE @ A4 NTS PURPOSE OF ISSUE SUITABLE FOR INFORMATION DRAWING NO. (PROJECT - ORIGINATOR VOLUME-LEVEL-TYPE-ROLE-NUMBER) 15297-HYD-XX-XX-DR-GE-1002 STATUS S2 REVISION P1	
P1 FIRST ISSUE EP05/05/20MH05/05/20AE05/05/20		REV REVISION NOTES/COMMENTS DRAWN BYDATECHECKED BYDATEAPPROVED BYDATE							



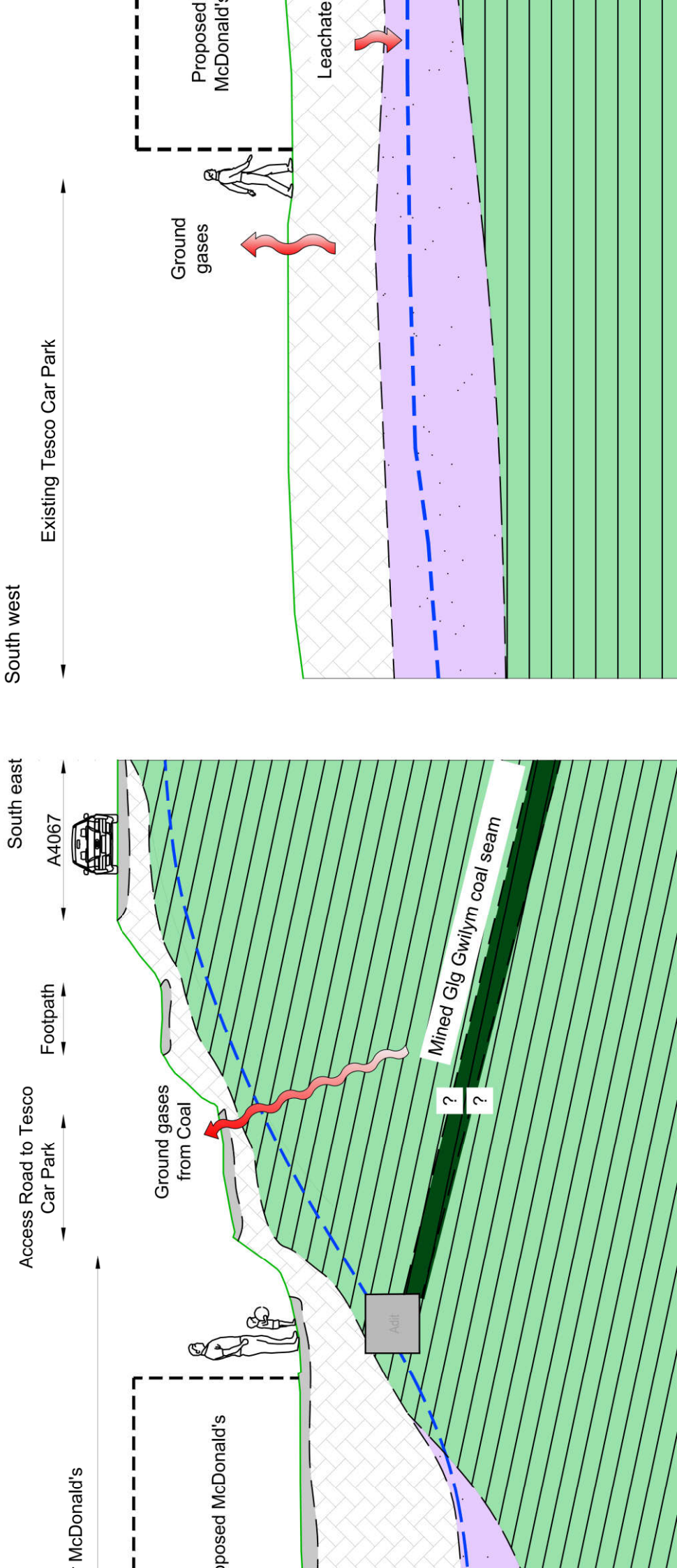
biphenyls (PCBs) and coal/coke residues.	
S7. Haulage Contractors Yard 30m northeast including elevated concentrations of metals, metalloids, petroleum hydrocarbons, and waste oil.	P2. Carbon dioxide and
S8. Petroleum hydrocarbons migrating from the petrol filling station and car wash, 50m to the north of the site.	P3. Volatile organic compounds from construction gaps.
S9. Pontardawe Tin Plate Works 150m northwest including elevated concentrations of metals, metalloids, mineral acids, organic acids, oil, organic solvents, asbestos fibres, asbestos containing materials and polychlorinated biphenyls (PCBs).	P4. Root uptake by plants.
S10. Ground gases (carbon dioxide and methane) from adits, possible mine workings and coal seams adjacent to the site.	P5. Migration of contaminants through Alluvium and/or Clay.
S11. Ground gases (carbon dioxide and methane) from organic materials in the Alluvium and Glaciofluvial Deposits adjacent to the site.	P6. Surface water via

A-A'

A'

B

Section



Appendix B

Field Reconnaissance Photographs

Desk Study Photograph 1	
Date: 21/04/2020	
Direction Photograph Taken: Looking north.	
Description: Existing Tesco car park.	

Desk Study Photograph 2	
Date: 21/04/2020	
Direction Photograph Taken: Looking east.	
Description: Photo of overhead powerlines crossing the site.	

Desk Study Photograph 3	
Date: 21/04/2020	
Direction Photograph Taken: Looking east.	
Description: Slope up to A4067. View of footbridge crossing A4067.	

Desk Study Photograph 4	
Date: 21/04/2020	
Direction Photograph Taken: Looking north.	
Description: View of covers in the north of the site. Relating to onsite drainage?	

Desk Study Photograph 5	
Date: 21/04/2020	
Direction Photograph Taken: Looking north.	
Description: Photo of Tesco fuel station, north of the site.	

Desk Study Photograph 6	
Date: 21/04/2020	
Direction Photograph Taken: Looking southwest.	
Description: Reinforced soil slope, supporting the car park. In the right of the photo; access road for deliveries to Tesco.	

Desk Study Photograph 7	
Date: 21/04/2020	
Direction Photograph Taken: Looking northeast.	
Description: View of River Tawe, adjacent to the site.	

Appendix C

Historical Ordnance Survey Maps

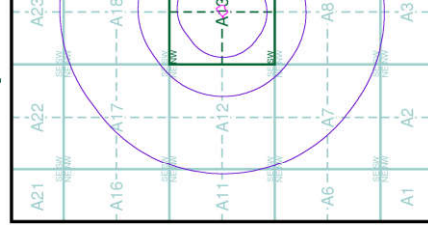
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Glamorganshire
Glamorganshire
Glamorganshire
Glamorganshire
Glamorganshire
Ordnance Survey Plan
Ordnance Survey Plan
10K Raster Mapping
10K Raster Mapping
VectorMap Local

	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil, parish or community boundary
	District, Unitary, Metropolitan, London Borough boundary		Constituency boundary

	Chalk Pit, Clay Pit or Quarry		Gravel Pit
	Sand Pit		Disused Pit or Quarry
	Refuse or Slag Heap		Lake, Loch or Pond
	Dunes		Boulders
	Coniferous Trees		Non-Coniferous Trees
	Orchard		Scrub
	Bracken		Heath
	Marsh		Reeds
	Building		Shingle
	Glasshouse		Sand
	Sloping Masonry		Pylon
	Electricity Transmission Line		Pole

	Gravel Pit		Other Pits
	Quarry		Shingle
	Osiers		Reeds
	Deciduous		Marsh
	Brushwood		Instrumental Contour
	Furze		Minor Roads
	Arrow denotes flow of water		Fenced Un-Fenced
	Site of Antiquities		Sunken Road
	Pump, Guide Post, Signal Post		Road over Railway
	Surface Level		Railway over Road
	Road over River or Canal		Level Crossing
	Road over Stream		Road over River or Canal
	County Boundary (Geographical)		Road over Stream
	County & Civil Parish Boundary		County Boundary (Geographical)

Historical Map - Slice



Order Details

Order Number:	2
Customer Ref:	C
National Grid Reference:	2
Slice:	A
Site Area (Ha):	0
Search Buffer (m):	1

Site Details

	Non-coniferous trees		Coniferous trees
	Positioned tree		Coppice or Osiers
	Heath		Marsh, Salt Marsh or Reeds
	Flow arrows		Mean low water (springs)
	Mean high water (springs)		Electricity transmission line (with poles)
	Telephone line (where shown)		Triangulation

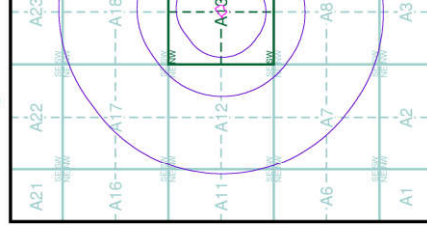
	Water feature		Mean high water (springs)
	Mean low water (springs)		Telephone line (where shown)
	Bench mark		Electricity transmission line (where shown)

	Geographical County		Administrative County, County Borough or County of City
	Municipal Borough, Urban or Rural District, Borough or District Council		Borough, Burgh or County Constituency
	Shown only when not coincident with other boundaries		Civil Parish
	Shown alternately when coincidence of boundaries occurs		Boundary Post or Stone
	Police Station		Pol Sta

Mapping Type
Glamorganshire
Glamorganshire
Glamorganshire
Glamorganshire
Glamorganshire
Glamorganshire
Ordnance Survey Plan
Ordnance Survey Plan
Ordnance Survey Plan
10K Raster Mapping
10K Raster Mapping
VectorMap Local

Government and Administrative Buildings	Military and Industrial Buildings	Government and Administrative Buildings	Military and Industrial Buildings
Partly Demolished Buildings	Demolished Buildings	Partly Demolished Buildings	Demolished Buildings
Built-Up Area with Fireproof Buildings Predominant	Built-Up Area with Non-Fireproof Buildings Predominant	Built-Up Area with Fireproof Buildings Predominant	Built-Up Area with Non-Fireproof Buildings Predominant
Individual Fireproof Building	Prominent Industrial Building	Individual Fireproof Building	Prominent Industrial Building
Individual Dwelling, Fireproof	Ruins of an Individual Dwelling	Individual Dwelling, Fireproof	Ruins of an Individual Dwelling
Factory or Mill Chimney	Factory or Mill without Chimney	Factory or Mill Chimney	Factory or Mill without Chimney
Operating Shaft or Mine	Non-Operating Shaft or Mine	Operating Shaft or Mine	Non-Operating Shaft or Mine
Pit	Gas Pump or Service Station	Pit	Gas Pump or Service Station
Oil or Natural Gas Derrick	Power Station	Oil or Natural Gas Derrick	Power Station
Cemetery	Triangulation Point on Burial Mound	Cemetery	Triangulation Point on Burial Mound
Bench Mark	Telegraph Office	Bench Mark	Telegraph Office
Radio Station	Airfield or Seaplane Base	Radio Station	Airfield or Seaplane Base
Cut	Highway under Construction	Cut	Highway under Construction
Small Bridge	Dismantled Railroad	Small Bridge	Dismantled Railroad
Double-track Railroad with First Class Station	Railroad Under Construction	Double-track Railroad with First Class Station	Railroad Under Construction
Shore Embankment	Water Gauge	Shore Embankment	Water Gauge
Yard and Communication Areas	Subway Entrance	Yard and Communication Areas	Subway Entrance
Prominent Fireproof Building	Demolished Buildings	Prominent Fireproof Building	Demolished Buildings
Non-fireproof Building (non-dwelling)	Built-Up Area with Non-Fireproof Buildings Predominant	Non-fireproof Building (non-dwelling)	Built-Up Area with Non-Fireproof Buildings Predominant
Factory, mill, and flour mill, with chimneys	Individual Fireproof Building	Factory, mill, and flour mill, with chimneys	Individual Fireproof Building
Power Station, drawn to scale	Individual Dwelling, Fireproof	Power Station, drawn to scale	Individual Dwelling, Fireproof
Radio Station, drawn to scale	Individual Fireproof Building	Radio Station, drawn to scale	Individual Fireproof Building
Abandoned Open-pit Mine or Quarry	Individual Fireproof Building	Abandoned Open-pit Mine or Quarry	Individual Fireproof Building
Oil Deposit or Well	Individual Fireproof Building	Oil Deposit or Well	Individual Fireproof Building
Fuel Storage Tanks	Individual Fireproof Building	Fuel Storage Tanks	Individual Fireproof Building
Drill Hole	Individual Fireproof Building	Drill Hole	Individual Fireproof Building
Triangulation Point on Burial Mound	Individual Fireproof Building	Triangulation Point on Burial Mound	Individual Fireproof Building
Double-track Railroad and Station Building	Individual Fireproof Building	Double-track Railroad and Station Building	Individual Fireproof Building
Deciduous Forest	Individual Fireproof Building	Deciduous Forest	Individual Fireproof Building
Scattered Vegetation	Individual Fireproof Building	Scattered Vegetation	Individual Fireproof Building
Wet Ground	Individual Fireproof Building	Wet Ground	Individual Fireproof Building
Citrus Orchard	Individual Fireproof Building	Citrus Orchard	Individual Fireproof Building
Values for prominent elevations	Individual Fireproof Building	Values for prominent elevations	Individual Fireproof Building
Numbers for spot elevations, depth soundings, contour lines, etc.	Individual Fireproof Building	Numbers for spot elevations, depth soundings, contour lines, etc.	Individual Fireproof Building
Velocity of the current, width of river bed, depth of river	Individual Fireproof Building	Velocity of the current, width of river bed, depth of river	Individual Fireproof Building
Fractional terms: length and capacity of bridges; depth of	Individual Fireproof Building	Fractional terms: length and capacity of bridges; depth of	Individual Fireproof Building
ford and condition of the river bottom; height of forest and	Individual Fireproof Building	ford and condition of the river bottom; height of forest and	Individual Fireproof Building
the diameter of trees	Individual Fireproof Building	the diameter of trees	Individual Fireproof Building
Phabet (For reference and phonetic interpretation of map text)	Individual Fireproof Building	Phabet (For reference and phonetic interpretation of map text)	Individual Fireproof Building

Russian Map - Slic



Order Details

Order Number: 2
Customer Ref: C
National Grid Reference: 2
Slice: A
Site Area (Ha): 0
Search Buffer (m): 1

Site Details

Published 1884

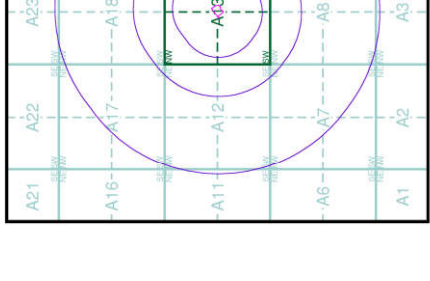
Source map scale

The historical maps shown were reprinted at the scale adopted for England, Wales and the 1:2,500 scale was adopted for the 1:10,560 maps. The maps were used to update the 1:10,560 maps often some years later than the source maps were based on the Cassini Project county or group of counties, giving areas. In the late 1940 s, a Provisional 1:10,560 mapping from a number of unfinished - with all military camps maps were initially overprinted with 1:10,000 maps were produced using the revision process continued until revision 10 years or so for urban areas.

Map Name(s) and Date

00800
1884
1:10,560

Historical Map - Slice



Order Details

Order Number: 2
Customer Ref: C
National Grid Reference: 2
Slice: A
Site Area (Ha): 0
Search Buffer (m): 1

Site Details



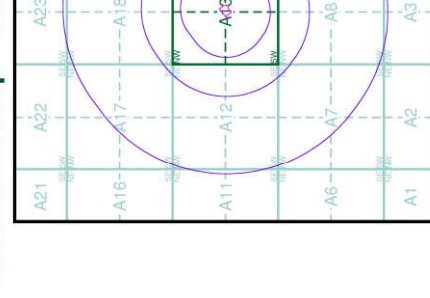
The historical maps shown were reprinted at the scale adopted for England, i.e. at the 1:2,500 scale was adopted for use to update the 1:10,560 maps, often some years later than the source were based on the Cassini Project county or group of counties, giving areas. In the late 1940's, a Provisional 1:10,560 mapping from a number of unfinished - with all military camps - maps were initially overprinted with 1:10,000 maps were produced using the revision process continued until reprinted 10 years or so for urban areas.

The historical maps shown were reprinted at the scale adopted for England, i.e. at the 1:2,500 scale was adopted for use to update the 1:10,560 maps, often some years later than the source were based on the Cassini Project county or group of counties, giving areas. In the late 1940's, a Provisional 1:10,560 mapping from a number of unfinished - with all military camps - maps were initially overprinted with 1:10,000 maps were produced using the revision process continued until reprinted 10 years or so for urban areas.

008SE
1900
1:10,56C

0
0
0

0
-
-
-



Order Number:
Customer Ref:
National Grid Ref:
Slice:
Site Area (Ha):
Search Buffer (m):

Order Number:
Customer Ref:
National Grid Ref:
Slice:
Site Area (Ha):
Search Buffer (m):

Site Details

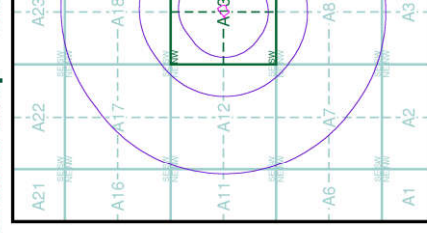
Published 1921
Source map scale

The historical maps shown were reprinted at the scale adopted for England, i.e. at the 1:2,500 scale was adopted for use to update the 1:10,560 maps, often some years later than the source were based on the Cassini Project county or group of counties, giving areas. In the late 1940's, a Provisional 1:10,560 mapping from a number of unfinished - with all military camps - maps were initially overprinted with 1:10,000 maps were produced using the revision process continued until reprinted 10 years or so for urban areas.

Map Name(s) and D

008SE
1921
1.10 560

Historical Map - Sli



Order Details

Order Number: 20
Customer Ref: C
National Grid Reference: 20
Slice: A
Site Area (Ha): 0
Search Buffer (m): 1

Site Details

[illegible]

This is a vertical strip of a historical map of Swansea, Wales. It shows a dense urban area with numerous streets, buildings, and industrial sites. A prominent purple line is drawn across the map, likely indicating a specific route or boundary. Key features labeled include 'Mines-Jago', 'St. Peter Church', 'Gasometer', 'Swansea Bay', and various streets like 'Ty-n-y-moant' and 'Ty-n-y-moant'. The map also shows the 'Swansea River' and 'Swansea Bay' at the top. The overall style is that of a traditional cadastral or topographical map from the late 19th or early 20th century.

This is a detailed historical map of the Craig-ghm area. The map shows a grid system with coordinates 203800 and 203900. Key features include:

- Streets:** Craig-ghm, School, Quarry, and Chemical Works.
- Landmarks:** Quarry, School, and Chemical Works.
- Other Labels:** Craig-ghm, Quarry, School, Chemical Works, and various smaller labels like "Craig-ghm" and "Quarry".
- Grid System:** A grid system is visible with coordinates 203800 and 203900.
- Annotations:** A pink diamond highlights a specific location near the "Chemical Works" and "Craig-ghm" area.

[illegible]

THE TRIANGLE

Swine Works

Cottages

The Upper East

Scale: 1 mile = 1.6 kilometers



This is a detailed historical map of the Craig y Duke area in North Wales. The map shows the River Llanallwyr flowing through the landscape, with several bridges crossing it. The village of Craig y Duke is prominently featured, with its church and other buildings clearly marked. The map includes a grid system with letters A through H and numbers 1 through 10. A scale bar at the bottom indicates distances in miles and feet. A purple line is drawn across the map, starting from the bottom left and extending towards the top right, passing through the village and the river. The map is titled 'Craig y Duke' and 'North Wales'.

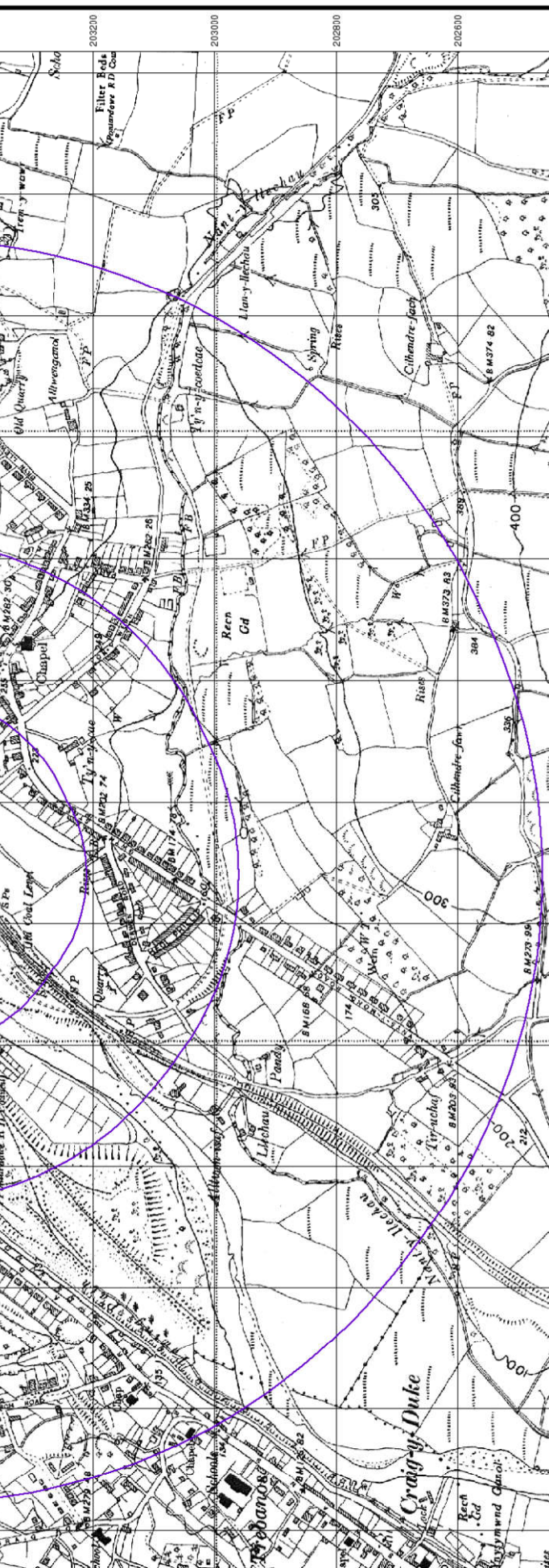
[illegible]

Source map sca

008SE
1942
1:10,56C

Order Number:
Customer Ref:
National Grid Reference:
Slice:
Site Area (Ha):
Search Buffer (m):

Site Details

[illegible][illegible][illegible]

The map shows the Craig-y-Duke area in North Wales. Key features include the River Cillindre-fach, the River Cillindre-fawr, and the River Cillindre-fawr. The map includes contour lines, a grid, and various place names. A purple line is drawn across the map, likely indicating a proposed route or boundary.

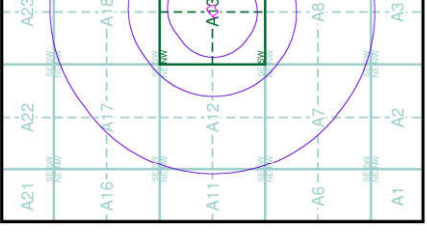
Published 1964

The historical maps shown were produced at the scale adopted for England, Wales and Scotland, that is, at the 1:2,500 scale was adopted for the 1:10,560 maps. The maps were often some years later than the surveys on which they were based on the Cassini Project. The maps were of county or group of counties, giving details of the 1:10,560 mapping from a number of sheets. The 1:10,560 maps were unfinished - with all military camps, towns and villages overprinted with the 1:10,000 maps were produced using the revision process continued until revision of 10 years or so for urban areas.

Map Name(s) and Date

SN70SW
1964
1:10.560

Historical Map - Sli



Order Details

Order Number:
Customer Ref:
National Grid Reference:
Slice:
Site Area (Ha):
Search Buffer (m):

Site Details

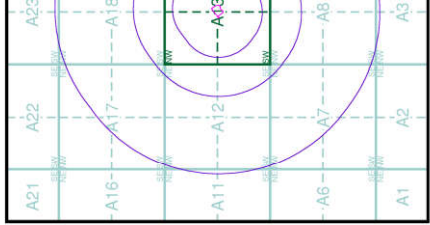
Published 1968
Source map scale

The historical maps shown were reissued at the scale adopted for England, Wales and the 1:2,500 scale was adopted for the 1:10,560 maps used to update the 1:10,560 maps often some years later than the source maps were based on the Cassini Project county or group of counties, giving areas. In the late 1940 s, a Provisional 1:10,560 mapping from a number of unfinished - with all military camps maps were initially overprinted with 1:10,000 maps were produced using the revision process continued until reissued 10 years or so for urban areas

Map Name(s) and

SN70SW
1968
1:10,560

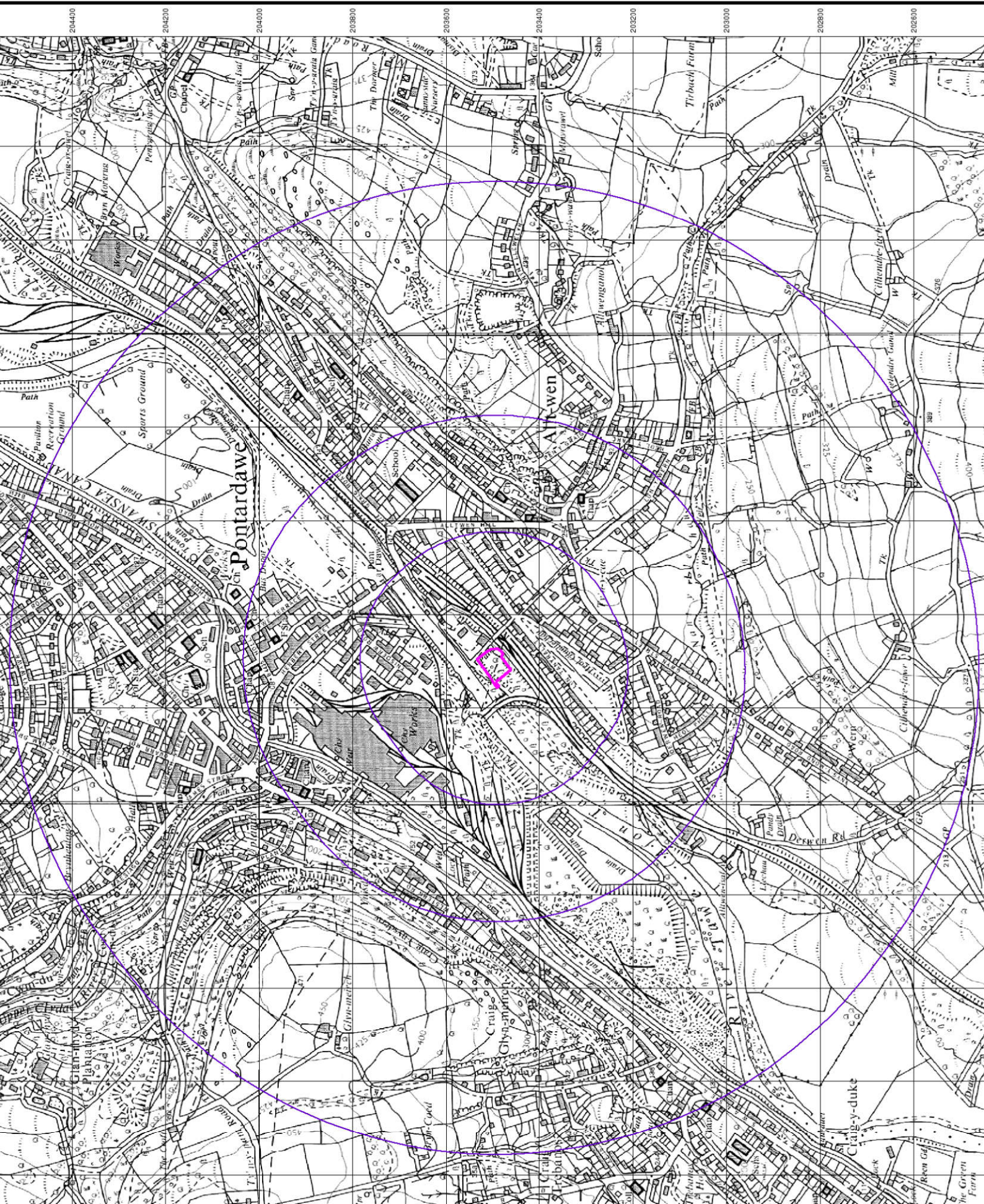
Historical Map - Slice



Order Details

Order Number: 2
Customer Ref: C
National Grid Reference: 2
Slice: A
Site Area (Ha): 0
Search Buffer (m): 1

Site Details



Published 1976

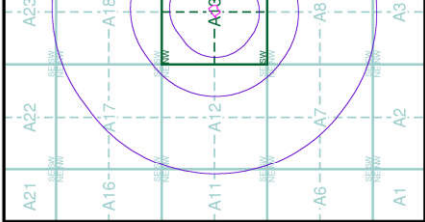
Source map scale

These maps were produced by the Ordnance Survey between 1950 and 1997, and cover the whole of Great Britain. The maps are produced at 1:25,000 scale, showing detailed land use, with colour-coded areas for built-up, non-developed areas. Buildings are shown in black, and uses (such as hospitals, post offices, etc.) are shown in red. They were produced by the Russian military intelligence services, and were used to plan the invasion of the U.K. The detailed information on the maps was used to plan the invasion of the U.K. The detailed information on the maps was used to plan the invasion of the U.K.

Map Name(s) and Date

SN70SW
1976
1:10,000

Russian Map - Slice



Order Details

Order Number: 2
Customer Ref: C
National Grid Reference: 2
Slice: A
Site Area (Ha): 0
Search Buffer (m): 1

Site Details

The historical maps shown were reprinted at the scale adopted for England, i.e. at the 1:2,500 scale was adopted for the 1:10,560 maps and was used to update the 1:10,560 maps, often some years later than the sun were based on the Cassini Project county or group of counties, giving areas. In the late 1940's, a Provisional 1:10,560 mapping from a number of unfinished - with all military camps maps were initially overprinted with 1:10,000 maps were produced using revision process continued until re 10 years or so for urban areas.

SN70SW
1982
1:10,000

Order Number: 20
Customer Ref: C
National Grid Reference: 20
Slice: A
Site Area (Ha): 0
Search Buffer (m): 1

Site Details

Published 1992

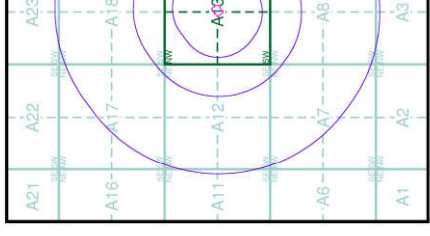
Source map scale

The historical maps shown were reissued at the scale adopted for England, Wales and Northern Ireland at the 1:2,500 scale was adopted for the 1:10,560 maps used to update the 1:10,560 maps often some years later than the source maps were based on the Cassini Project areas. In the late 1940 s, a Provisional 1:10,560 mapping from a number of county or group of counties, giving areas. In the late 1940 s, a Provisional 1:10,560 mapping from a number of county or group of counties, giving areas. In the late 1940 s, a Provisional 1:10,560 mapping from a number of county or group of counties, giving areas.

Map Name(s) and

SN70SW
1992
1:10,000

Historical Map - Slice



Order Details

Order Number: 2
Customer Ref: C
National Grid Reference: 2
Slice: A
Site Area (Ha): 0
Search Buffer (m): 1

Site Details



Published 1999

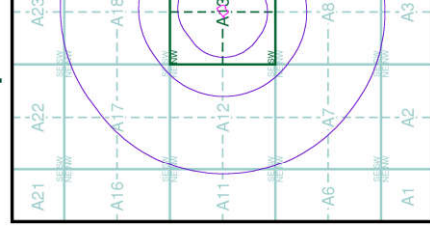
Source map scale

The historical maps shown were produced at a scale of 1:10,000 colour raster mapping. This map is highly detailed showing building footprints, roads, tracks and paths. Road names and relevant road number and classification codes are included county, unitary authority, and

Map Name(s) and

SN70SW
1999
1:10,000

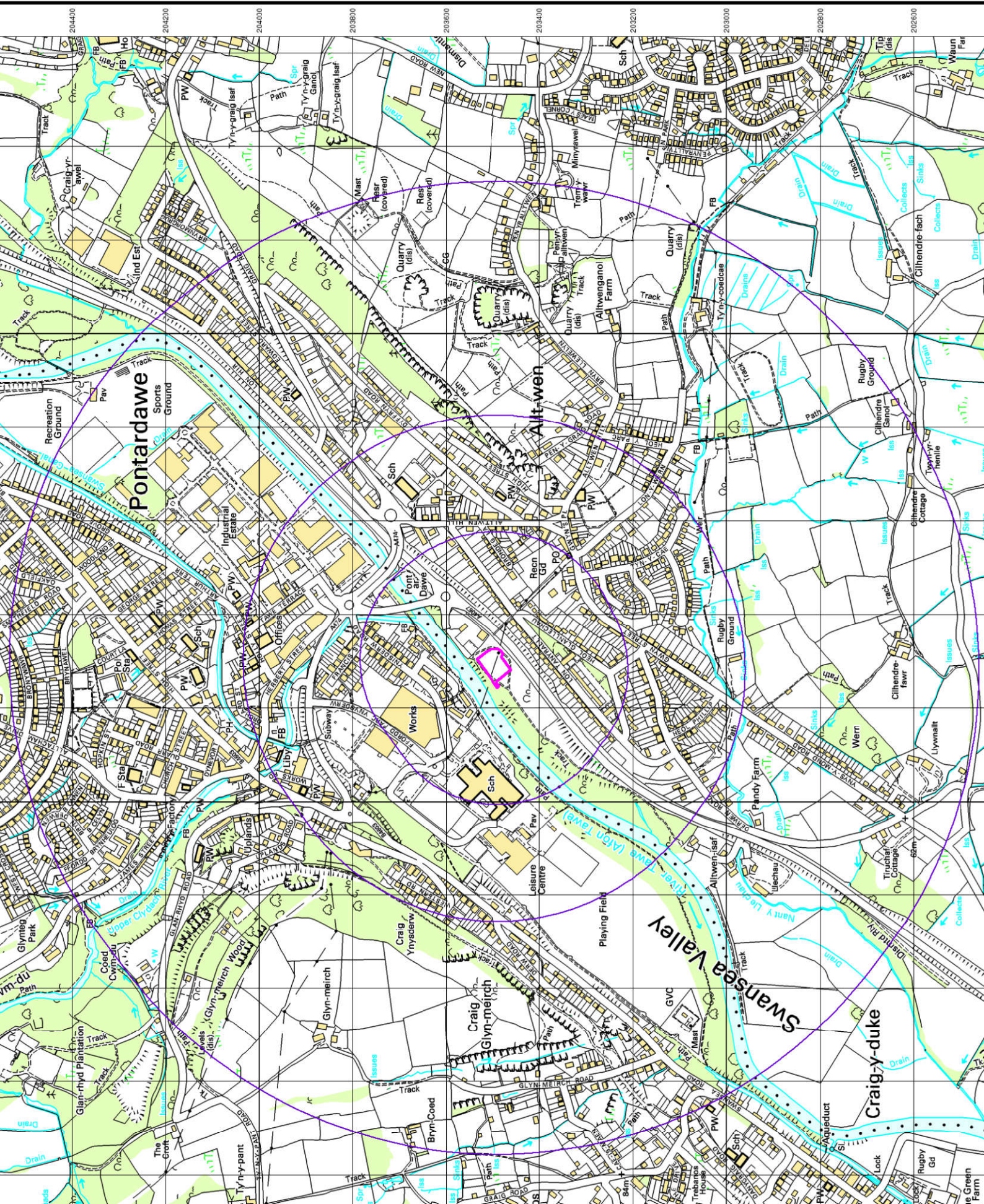
Historical Map - Slice



Order Details

Order Number: 2
Customer Ref: C
National Grid Reference: 2
Slice: A
Site Area (Ha): 0
Search Buffer (m): 1

Site Details



Published 2006

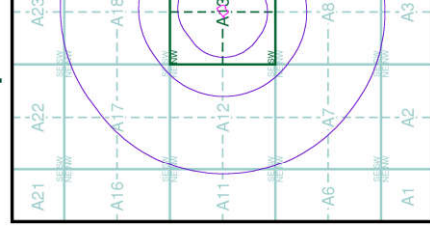
Source map scale

The historical maps shown were produced at a scale of 1:10,000 colour raster mapping. This is highly detailed showing building footprints, roads, tracks and paths. Road names and relevant road number and classification is included county, unitary authority, and

Map Name(s) and

SN70SW
2006
1:10,000

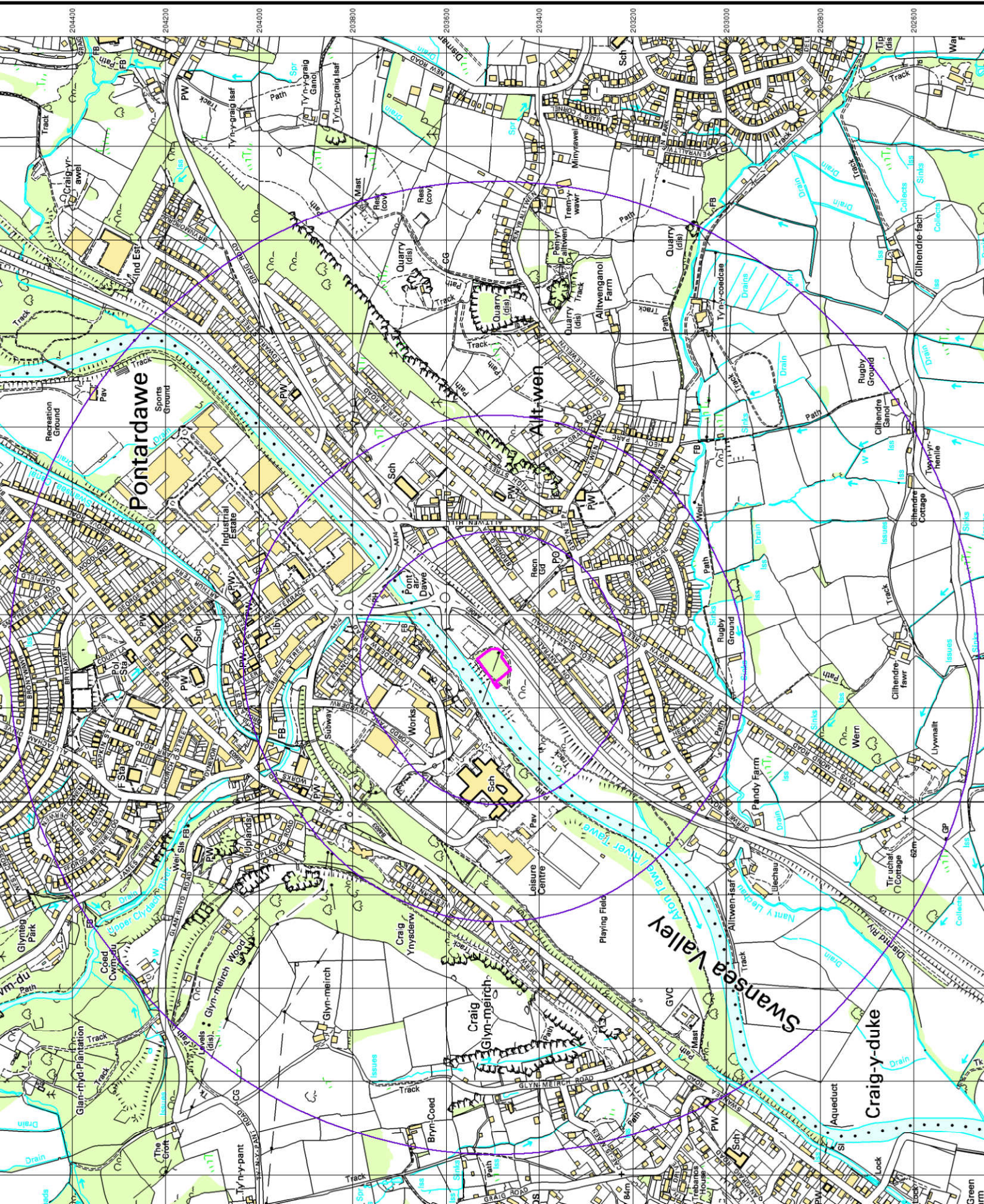
Historical Map - Site



Order Details

Order Number: 20060101
Customer Ref: C000000001
National Grid Reference: 203800 204400
Slice: A
Site Area (Ha): 0.1
Search Buffer (m): 1

Site Details



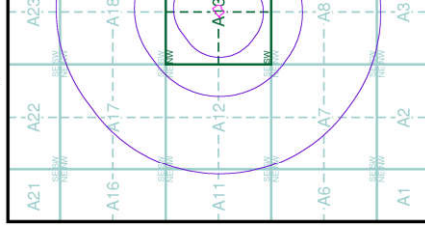
Source map sca

VectorMap Local (Raster) is Ordnance Survey's vector mapping product. These maps are derived from a simple vector dataset at a nominal scale of 1:25,000 across Great Britain, that has been designed to be used at a nominal scale of 1:25,000. VectorMap Local is derived from large scale (covering major towns and cities) and small scale (covering rural areas), and 1:25,000 scale (covering river estuary areas).

Map Name(s) and [

SN70SW
2020
Variable

Historical Map - Slide



Order Details

Order Number: 20
Customer Ref: C
National Grid Reference: 20
Slice: A
Site Area (Ha): 0
Search Buffer (m): 1

Site Details

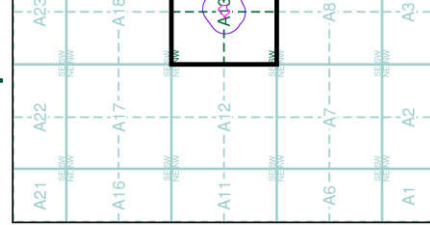
Mapping Type
Glamorganshire
Glamorganshire
Glamorganshire
Glamorganshire
Ordnance Survey Plan
Additional SIMs
Ordnance Survey Plan
Additional SIMs
Ordnance Survey Plan
Large-Scale National Grid Data
Large-Scale National Grid Data
Historical Aerial Photography

	Cliff		Slopes		Top
	Rock		Boulders		Positioned Boulder
	Non-Coniferous Tree (surveyed)		Non-Coniferous Trees (not surveyed)		Orchard Tree
	Coppice, Osier		Rough Grassland		Direction of water flow
	Triangulation Station		Antiquity (site of)		Electricity Transmission Line
	Electricity Pylon		Bench Mark		Roofed Building
	Glazed Roof Building		Civil parish/community boundary		District boundary
	County boundary		Boundary post/stone		Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

	Inactive Quarry, Chalk Pit or Clay Pit		Active Quarry, Chalk Pit or Clay Pit		Slopes
	Rock		Boulders		Roofed Building
	Non-Coniferous Tree (surveyed)		Non-Coniferous Trees (not surveyed)		Orchard Tree
	Coppice, Osier		Rough Grassland		Direction of water flow
	Triangulation Station		Antiquity (site of)		Electricity Pylon
	Electricity Transmission Line		County Boundary (Geographical)		County & Civil Parish Boundary
	Civil Parish Boundary		Admin. County or County Bor. Boundary		London Borough Boundary
	Symbol marking point where boundary mereing changes		Beer House		Pillar, Pole or Post
	Post Office		Public Convenience		Public House
	Pump		Signal Box or Bridge		Electricity Pole, Pillar

	Quarry		Gravel Pit		Shingle
	Clay Pit		Sloping Masonry		Flat Rock
	Reeds		Osiers		Wood
	Furze		Brushwood		Orchard
	Ford		Stepping Stones		Lock
	Waterfall		Altitude at Trig. Station		Surface Level
	Antiquities (site of)		Embankment		Road crossing Railway
	Level Crossing		Road over River or Canal		Road over single stream
	County Boundary (Geographical)		County & Civil Parish Boundary		Administrative County & Civil Parish Boundary
	County Borough Boundary (England)		County Borough Boundary (Scotland)		County Boundary (Scotland)

Historical Map - See



Order Details

Order Number:	2
Customer Ref:	C
National Grid Reference:	2
Slice:	A
Site Area (Ha):	0
Search Buffer (m):	1

Site Details

The historical maps shown were reprojected to the Mercator projection at the scale adopted for England, Wales and Northern Ireland, and at the 1:2,500 scale was adopted for the whole of what were considered to be the British Isles. The published date given for the survey data. Before 1938, all OS maps were projected to the Transverse Mercator Projection, with independent surveying giving rise to significant inaccuracies.

The historical maps shown were reprojected to the Mercator projection at the scale adopted for England, Wales and Northern Ireland, and at the 1:2,500 scale was adopted for the whole of what were considered to be the British Isles. The published date given for the survey data. Before 1938, all OS maps were projected to the Transverse Mercator Projection, with independent surveying giving rise to significant inaccuracies.

1

1:2,500

A2

Order Number:
Customer Ref:
National Grid Reference:
Slice:
Site Area (Ha):
Search Buffer (m):

Order Number:
Customer Ref:
National Grid Reference:
Slice:
Site Area (Ha):
Search Buffer (m):

Site Details

The historical maps shown were reprojected to the scale adopted for England, i.e. the 1:2,500 scale was adopted for the whole of what were considered to be the British Isles. The published date given for the survey data. Before 1938, all OS maps were projected, with independent surveys giving rise to significant inaccuracies.

008 11 1896 1:2,500	008 15 1896 1:2,500
---------------------------	---------------------------

A 4x4 grid of cells, labeled A1 through A16. The columns are labeled A1, A2, A3, A4 from left to right. The rows are labeled 1, 2, 3, 4 from bottom to top. Cell A13 is highlighted with a purple oval and a thick black border.

Order Number: 20
Customer Ref: C
National Grid Reference: 20
Slice: A
Site Area (Ha): 0
Search Buffer (m): 1

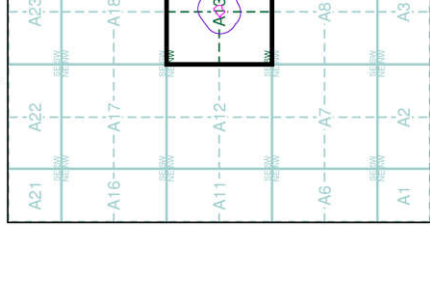
Published 1918
Source map scale

The historical maps shown were reissued at the scale adopted for England, Wales and Scotland in 1918. The published date given is the surveyed date. Before 1938, all Ordnance Survey maps were in the Old English Projection, with independent surveying giving rise to significant inaccuracies.

Map Name(s) and Date

008_11	1918	1:2,500
008_15	1918	1:2,500

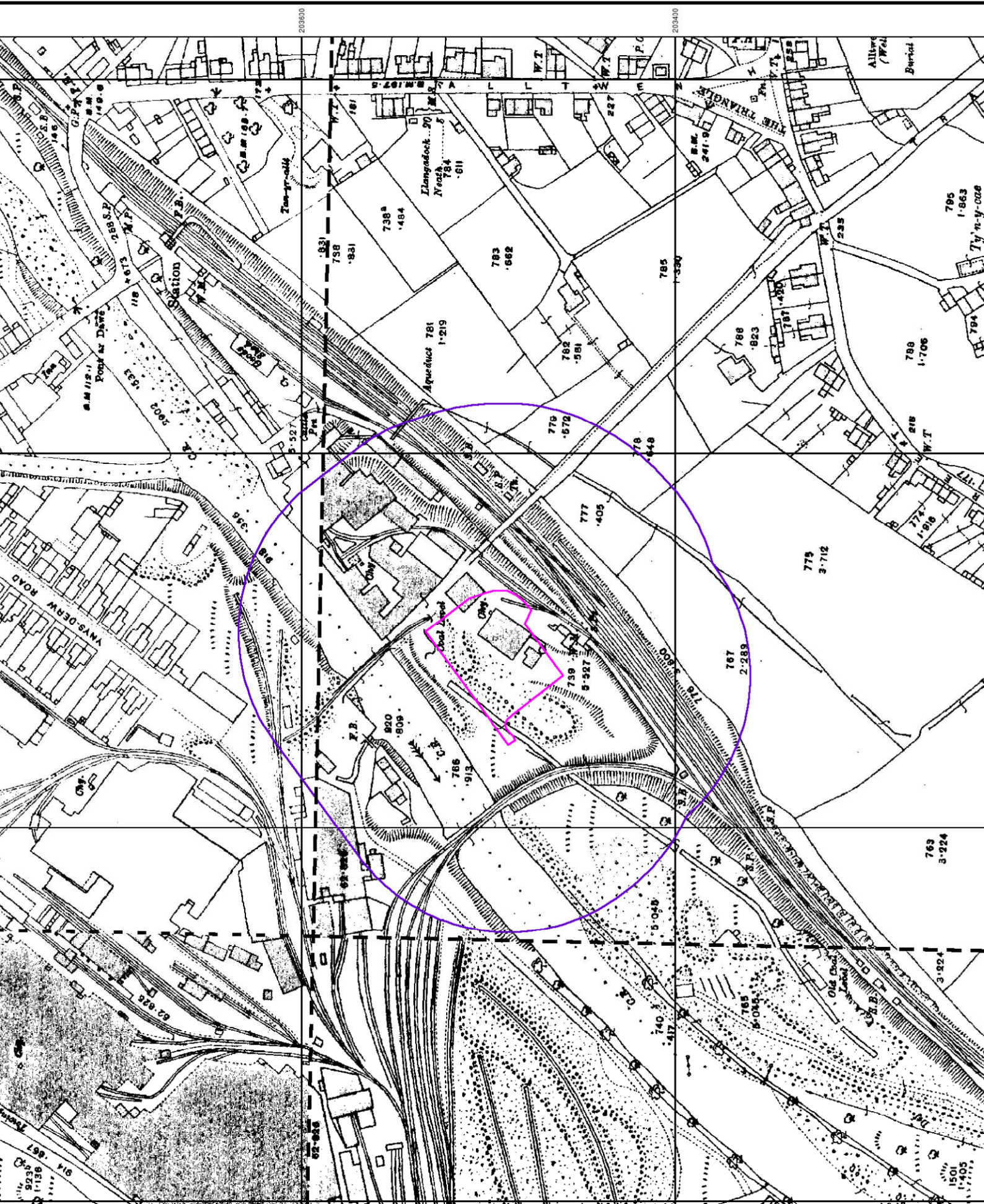
Historical Map - Section



Order Details

Order Number: 2
Customer Ref: C
National Grid Reference: 2
Slice: A
Site Area (Ha): 0
Search Buffer (m): 1

Site Details



Published 1941

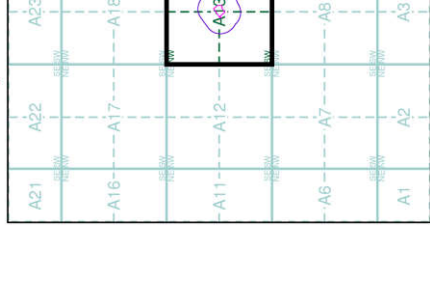
Source map scale

The historical maps shown were reissued at the scale adopted for England, Wales and the 1:2,500 scale was adopted for the whole of what were covered by the published date given in the survey date. Before 1938, all OS maps were projected on the Ordnance Survey Projection, with independent surveying giving rise to significant inaccuracies.

Map Name(s) and Date

008_11	1941	1:2,500
008_15	1941	1:2,500

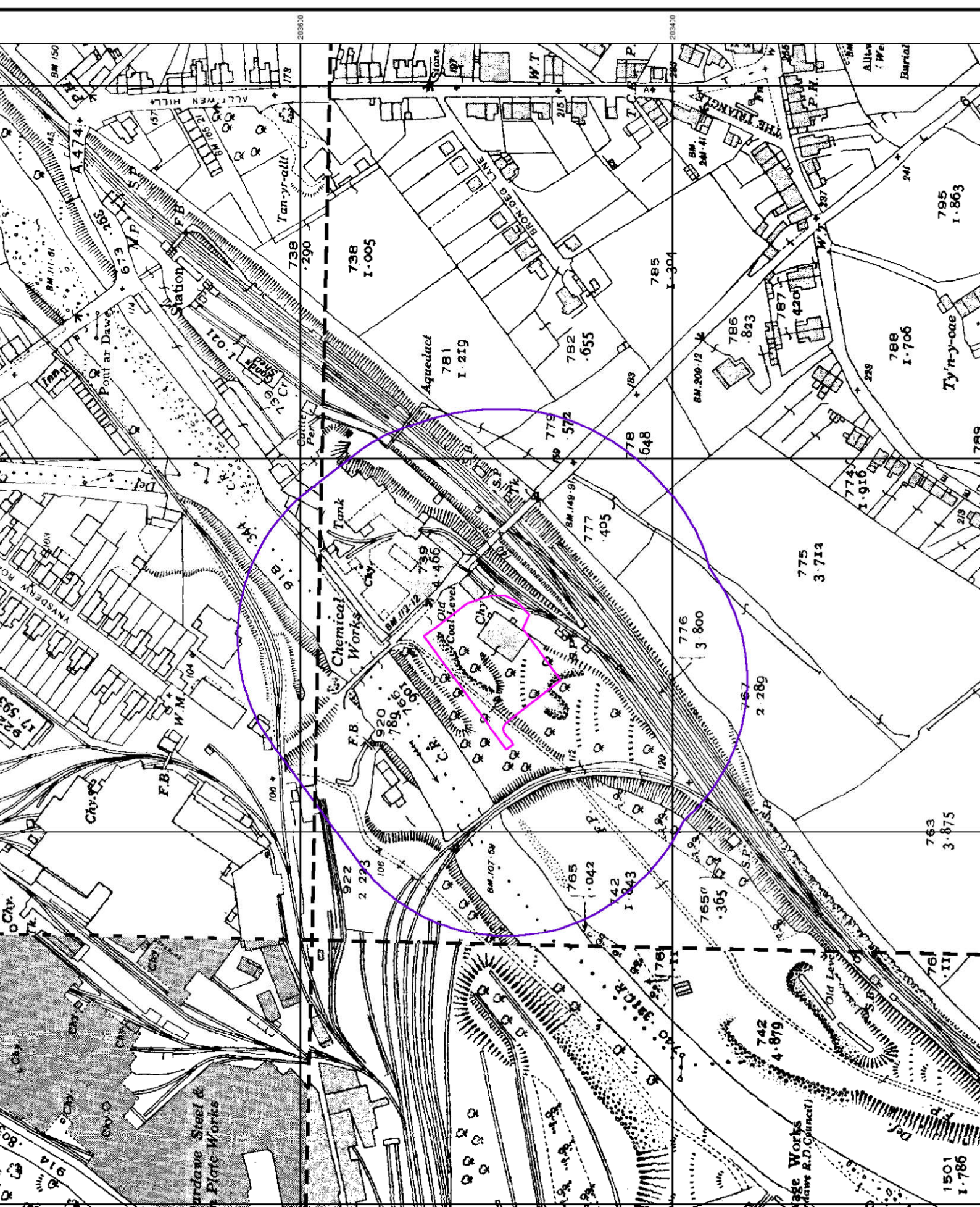
Historical Map - Section



Order Details

Order Number: 2
Customer Ref: C
National Grid Reference: 2
Slice: A
Site Area (Ha): 0
Search Buffer (m): 1

Site Details



The historical maps shown were reprojected to the Mercator projection at the scale adopted for England, Wales and Northern Ireland, and at the 1:2,500 scale was adopted for Great Britain. The whole of what were covered. The published date given for the surveyed date. Before 1938, all OS maps were projected to the OS 3600 Projection, with independent surveys giving rise to significant inaccuracies.

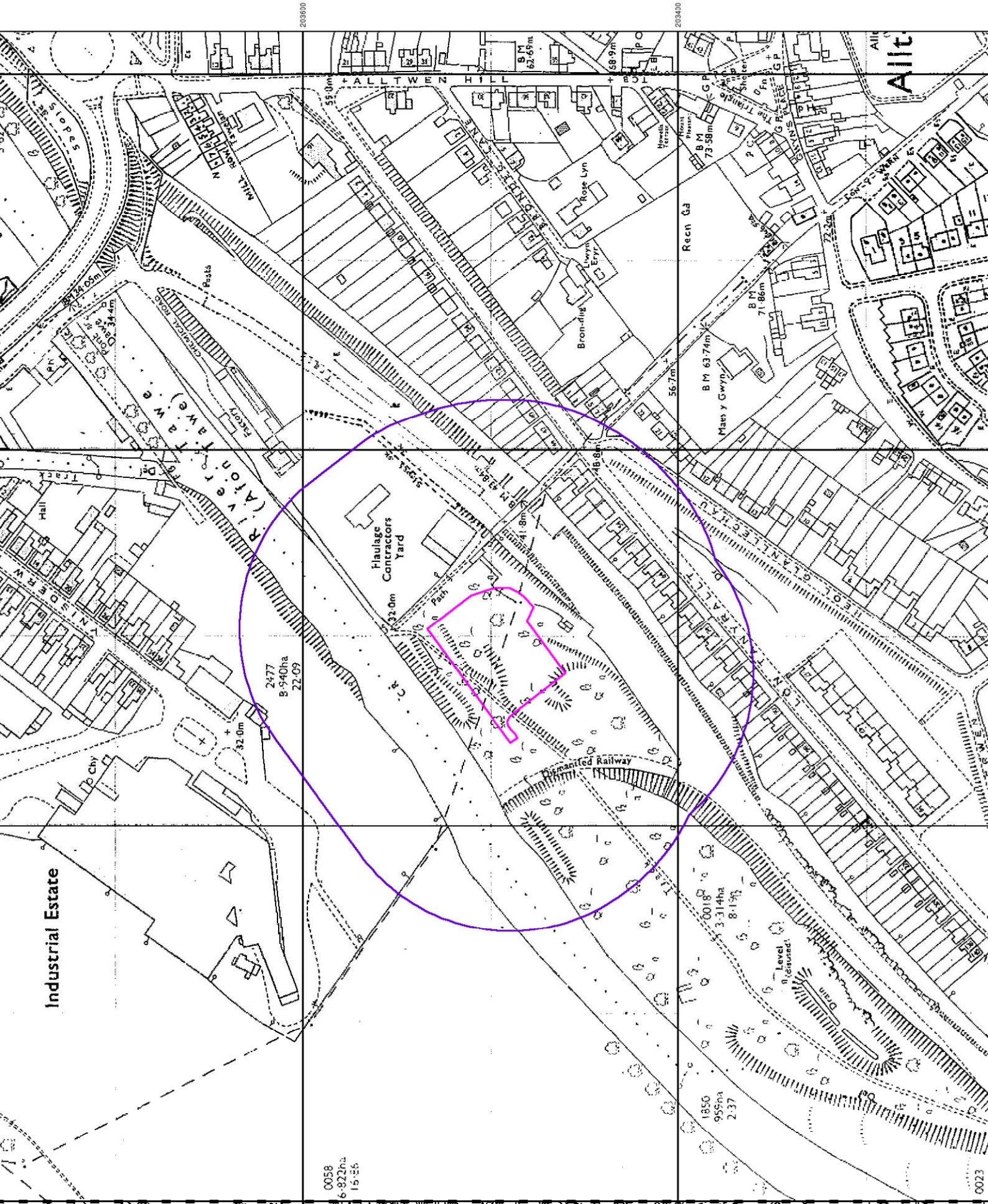
SN7103
1962
1:2.500

Order Number: 20
Customer Ref: C
National Grid Reference: 20
Slice: A
Site Area (Ha): 0
Search Buffer (m): 1

This is a detailed black and white topographic map of a residential and industrial area. The map shows a grid of streets, including 'ALLTWN HILL' and 'T. D. W. (A. N. E.)'. A large purple circle is drawn around a central area, and a smaller pink circle is drawn around a specific building within that area. The map includes various labels for buildings, streets, and landmarks, such as 'Works', 'Railway Station', and 'Ty-n-y-coe'. The map is oriented with North at the top.

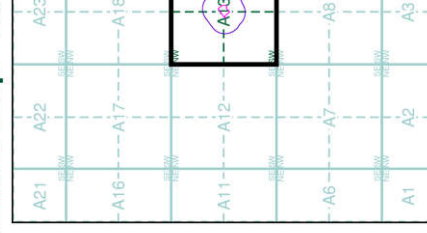
Source map sca

Industrial Estate



Map Name(s) and [

Historical Map - Se



Order Number: 20
Customer Ref: C
National Grid Reference: 20
Slice: A
Site Area (Ha): 0
Search Buffer (m): 1

Site Details

Published 1973
Source map scale
The historical maps shown were reissued at the scale adopted for England, Wales and Scotland in 1973. The published date given is the surveyed date. Before 1938, all OS maps were projected, with independent surveying giving rise to significant inaccuracies.

Map Name(s) and Date

SN7203

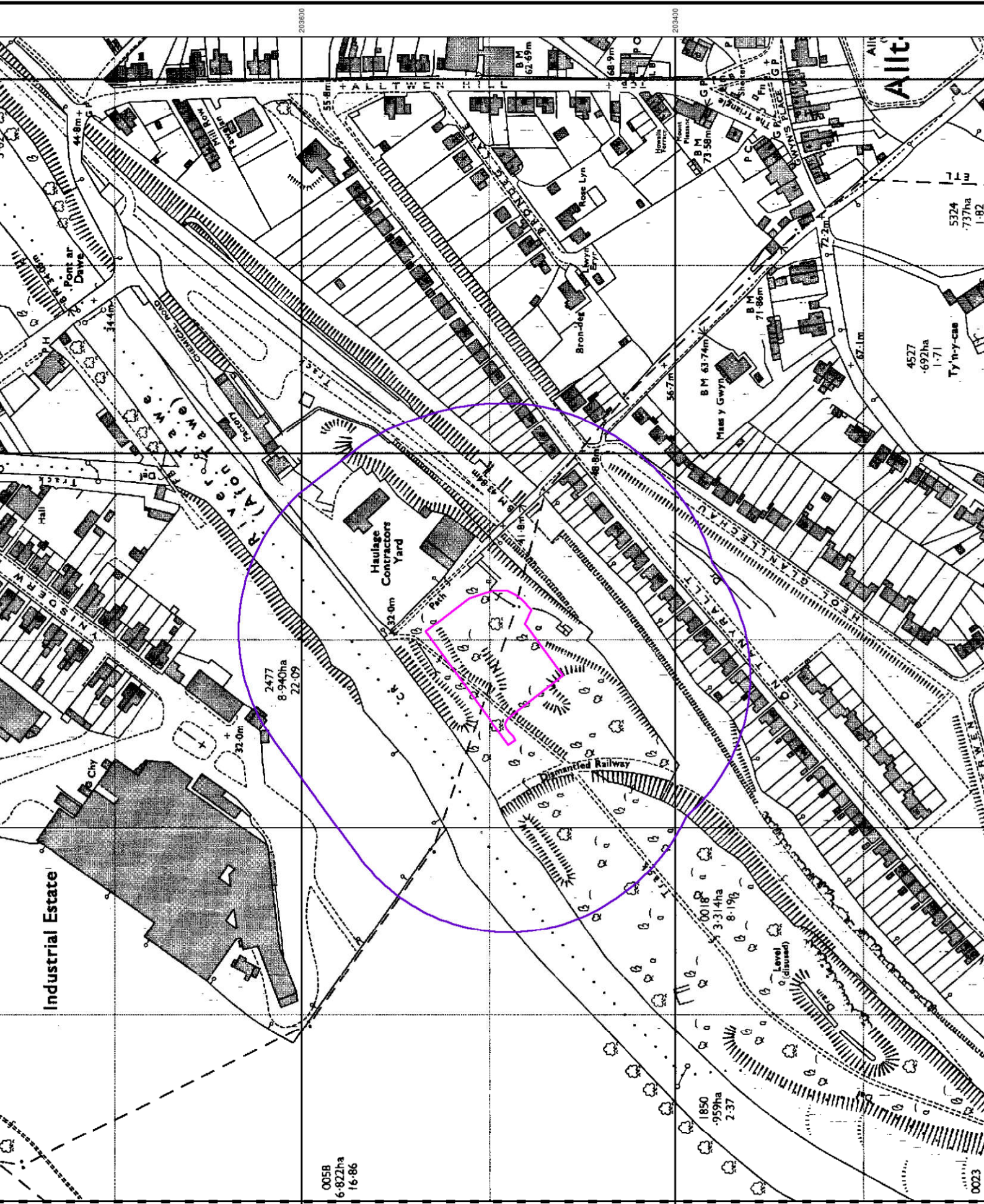
1973

1:2,500

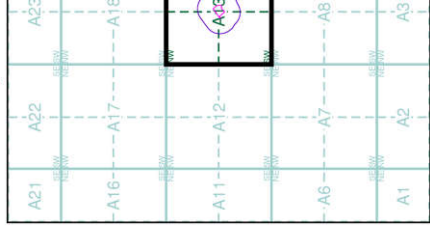
Historical Map - Section

Order Details
Order Number: 203400
Customer Ref: 0023
National Grid Reference: 203400
Slice: A12
Site Area (Ha): 0.01
Search Buffer (m): 1

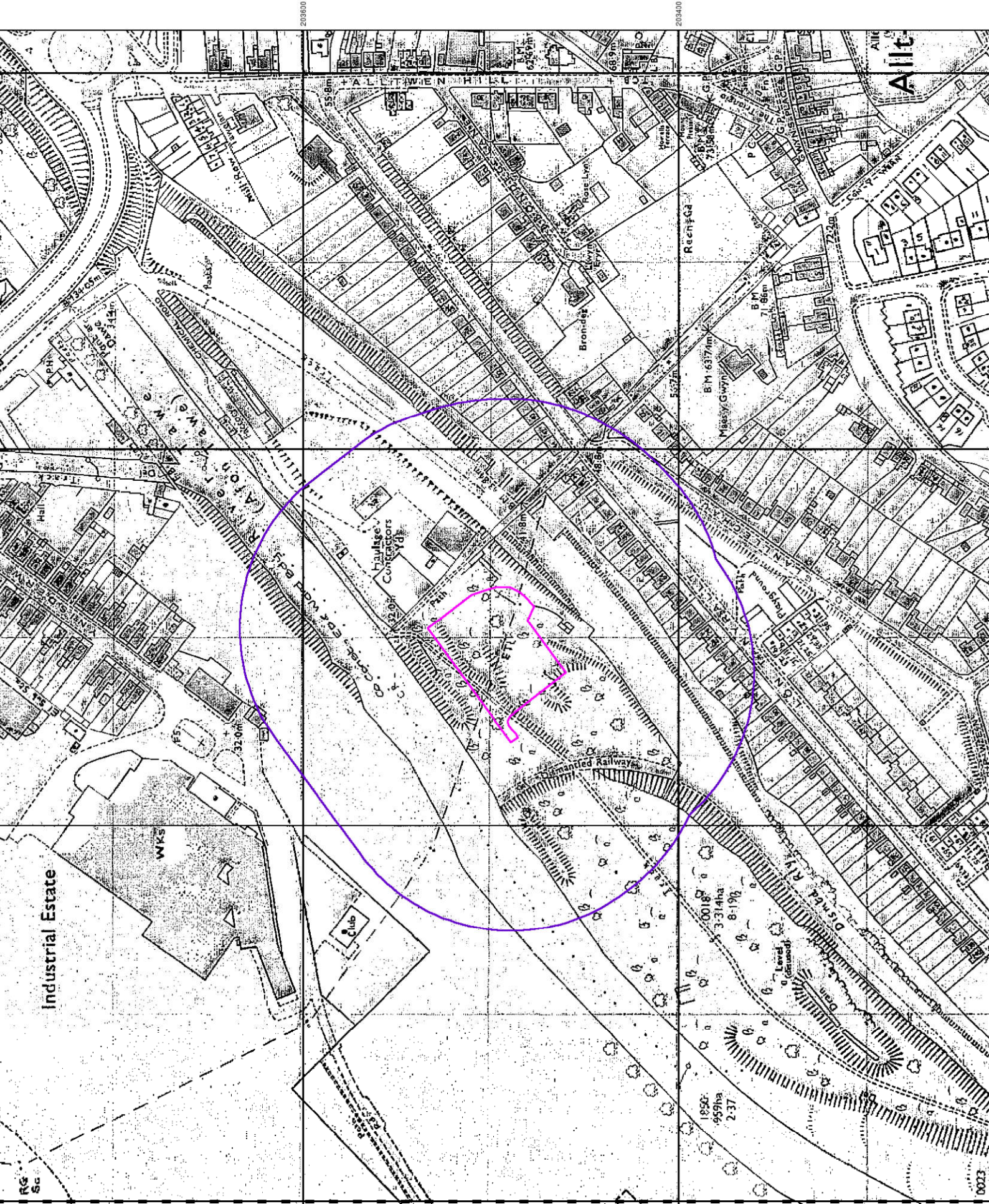
Site Details



SN7103
1984
1:2,500



Order Number: 2
Customer Ref: C
National Grid Reference: 2
Slice: A
Site Area (Ha): 0
Search Buffer (m): 1



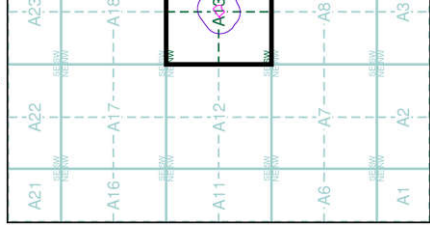
Published 1988
Source map scale

The SIM cards (Ordnance Survey) further, minor editions of mapping between the main editions as an a 1994, and contain detailed information. These maps were produced at bot

Map Name(s) and

SN7103
1989
1:2,500

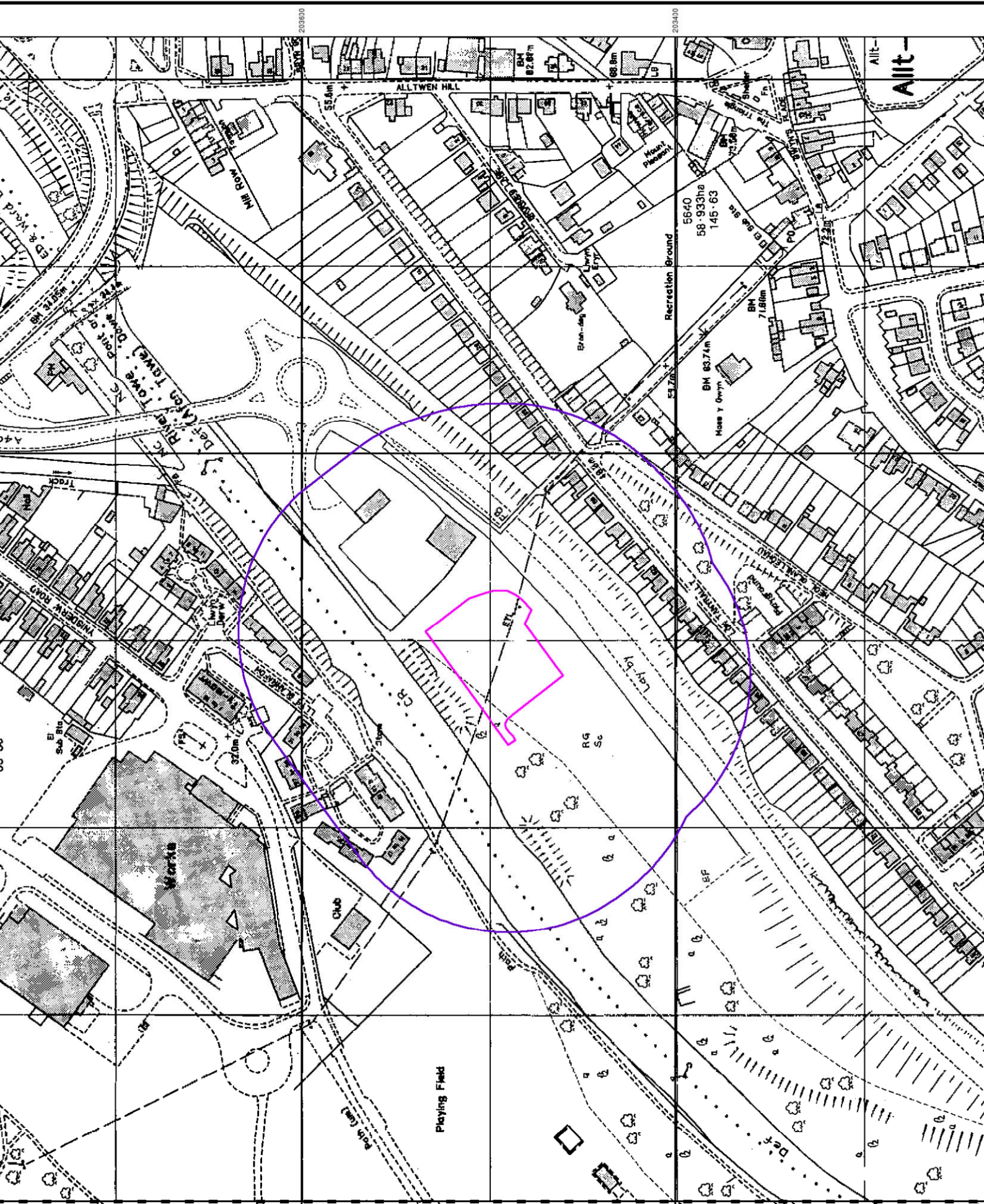
Historical Map - Se



Order Details

Order Number: 2
Customer Ref: C
National Grid Reference: 2
Slice: A
Site Area (Ha): 0
Search Buffer (m): 1

Site Details



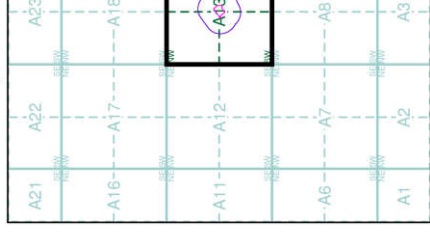
Published 1989
Source map scale

The historical maps shown were re-surveyed at the scale adopted for England, Wales and Scotland in 1989, at the scale of 1:2,500. The published date given is the date of the original survey. Before 1938, all OS maps were surveyed at the scale of 1:25,000. The published date given is the date of the original survey. Before 1938, all OS maps were surveyed at the scale of 1:25,000. The published date given is the date of the original survey. Before 1938, all OS maps were surveyed at the scale of 1:25,000.

Map Name(s) and Date

SN7203
1989
1:2,500

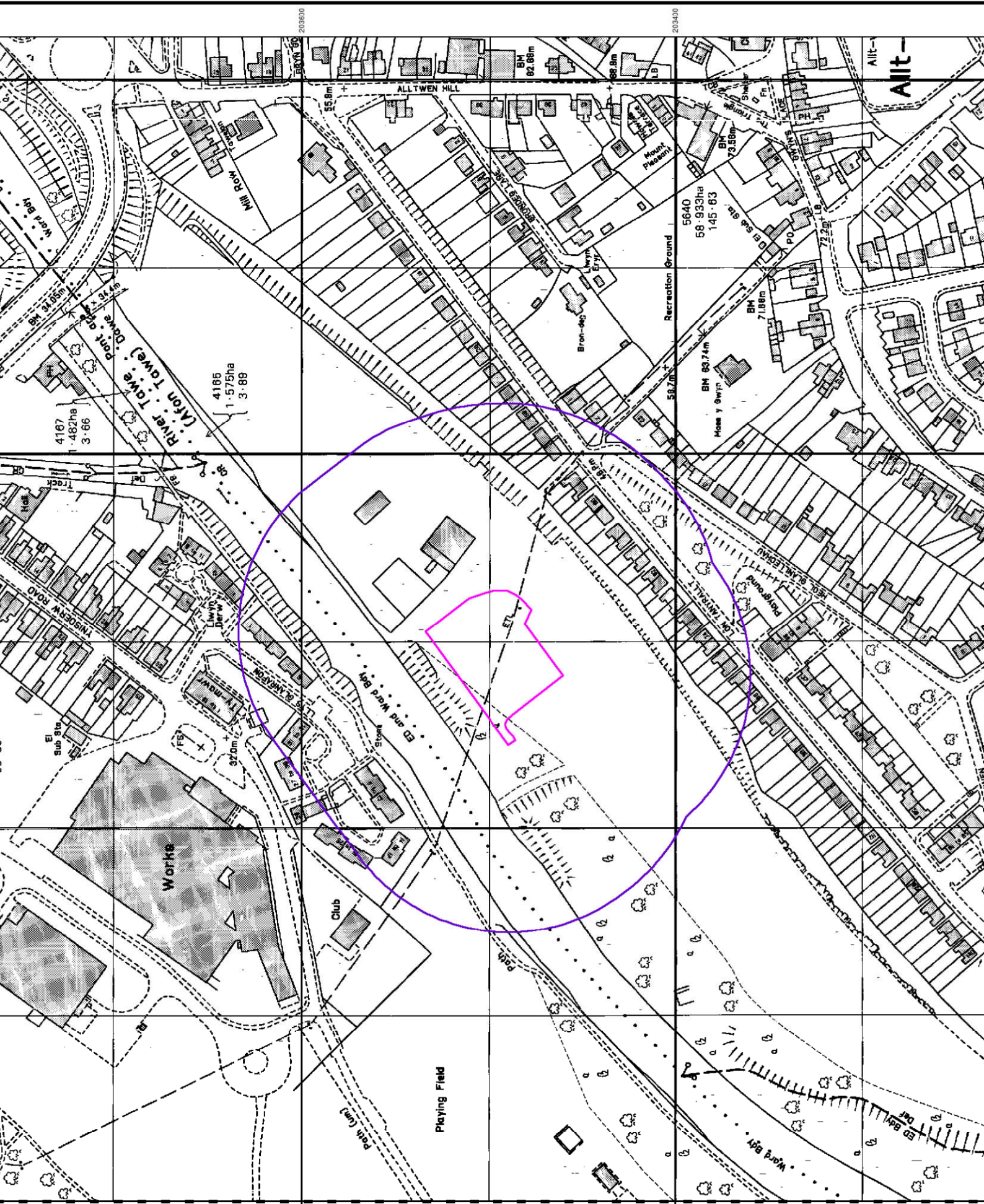
Historical Map - See

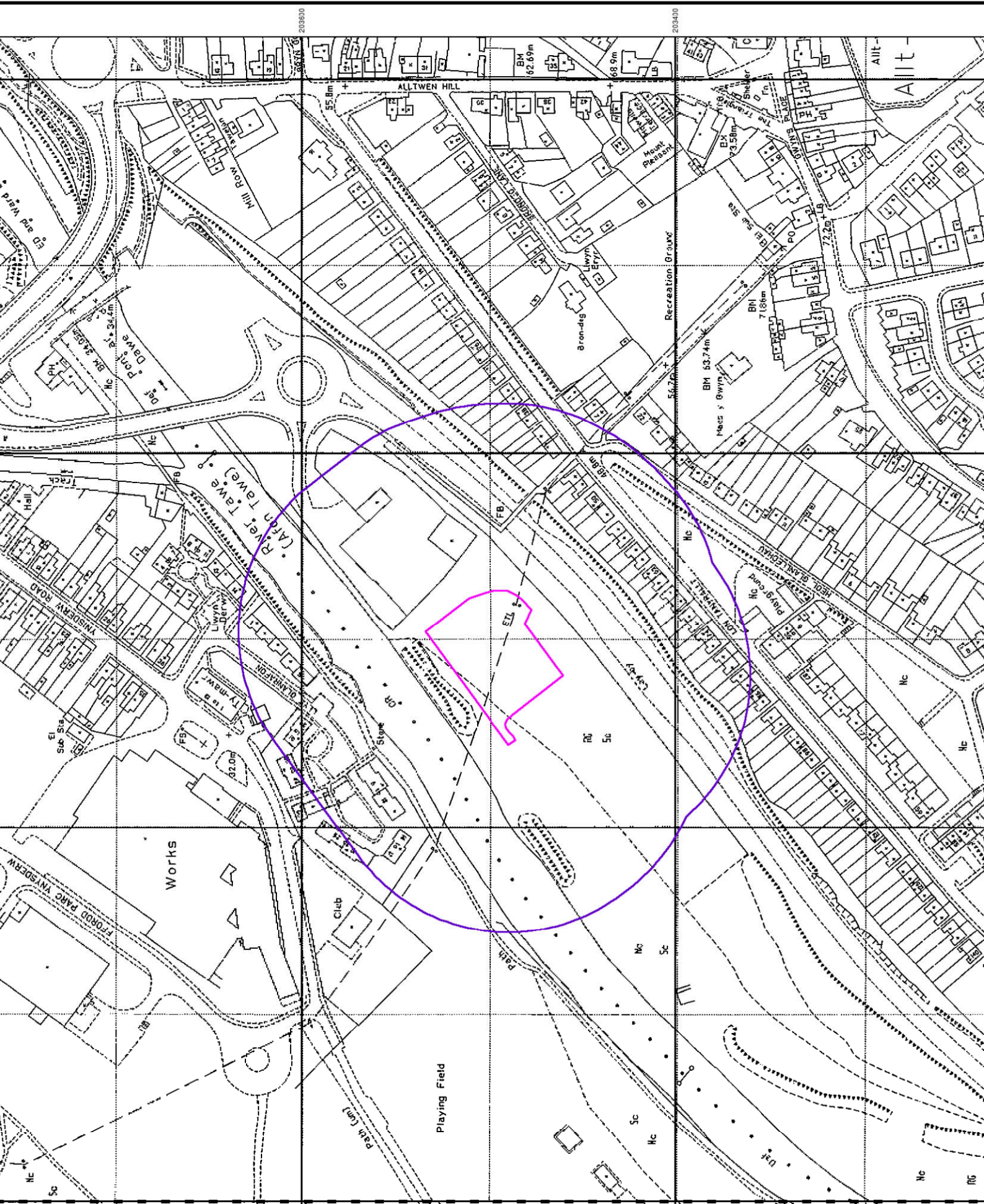
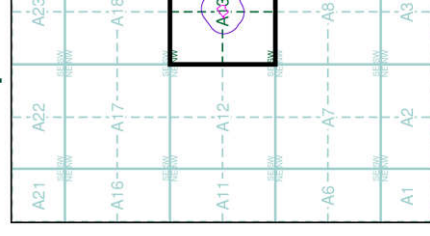


Order Details

Order Number: 2
Customer Ref: C
National Grid Reference: 2
Slice: A
Site Area (Ha): 0
Search Buffer (m): 1

Site Details





Source map sca

1
1
1
1
1
1

A21	A22	A23
-----	-----	-----

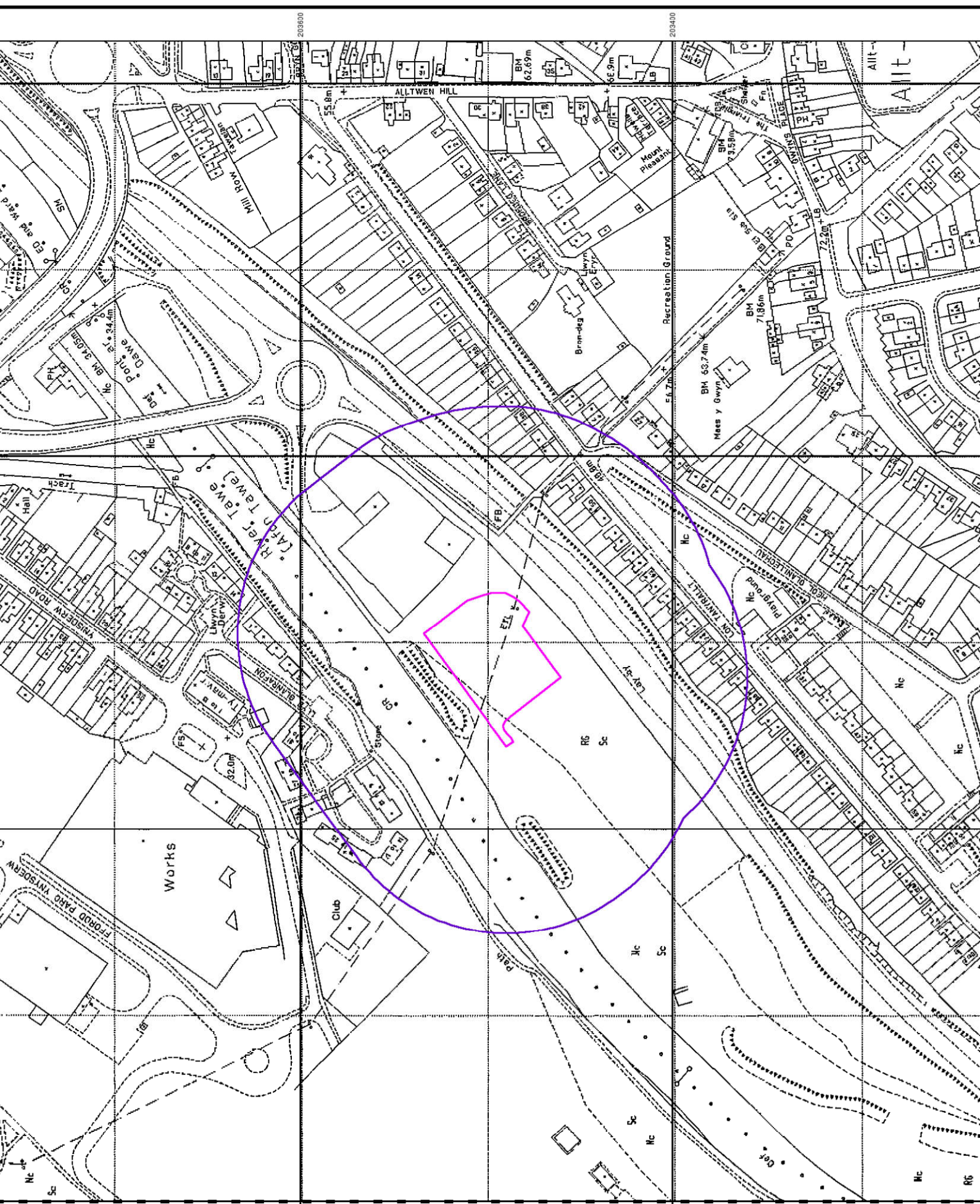


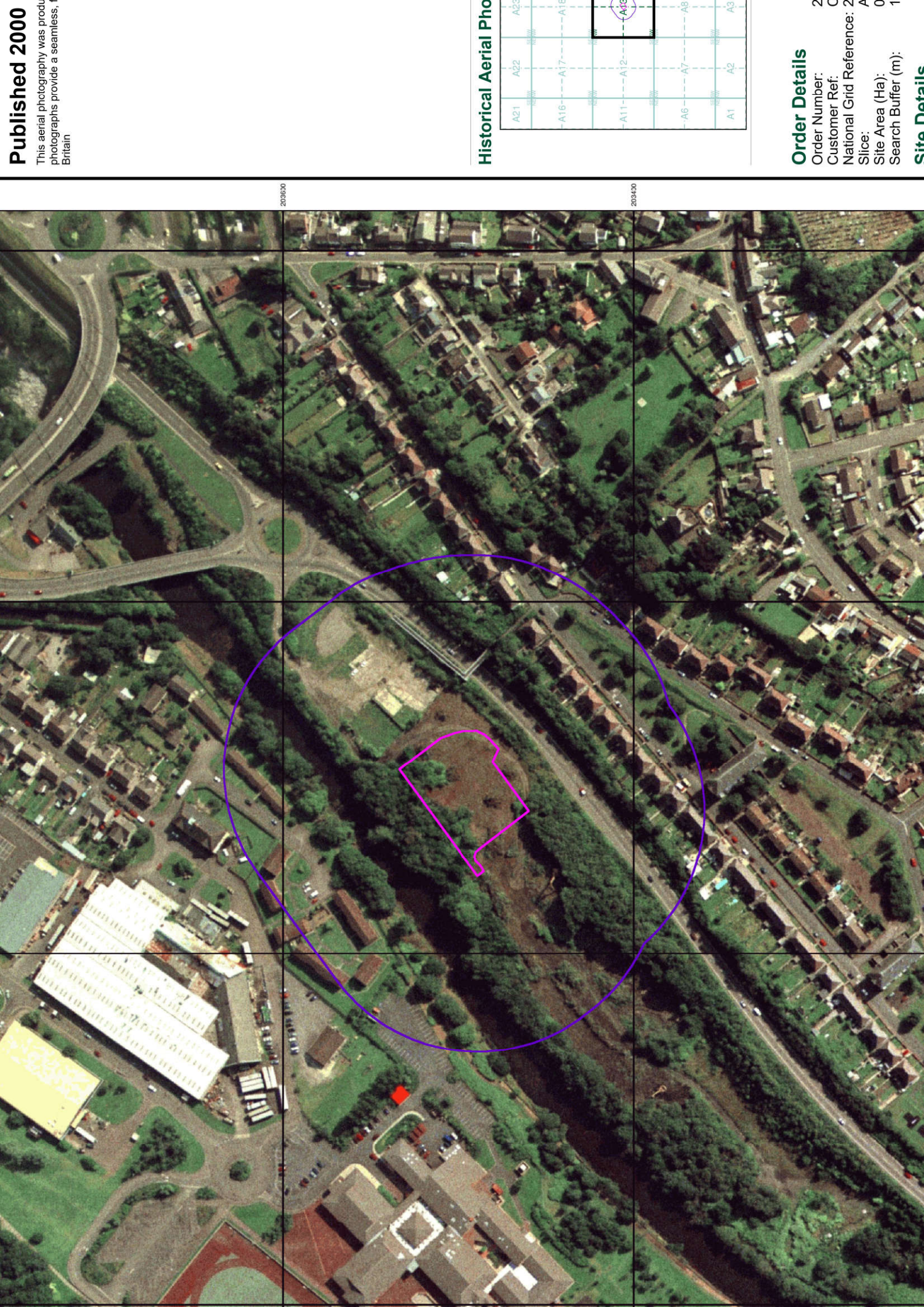
Order Number:

Customer Ref.
National Grid Refer

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

Site Details





Appendix D

Desk Study Research Information

Envirocheck

Database Report



Hydrock

Groundwater Vulnerability

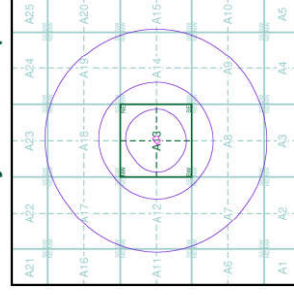
General
Specified Site Specified Buffer(s) Bearing Reference Point
Site Map ID

Agency and Hydrological

Bedrock Aquifers
High Vulnerability, Principal Aquifer
High Vulnerability, Secondary Aquifer
Medium Vulnerability, Principal Aquifer
Medium Vulnerability, Secondary Aquifer
Low Vulnerability, Principal Aquifer
Low Vulnerability, Secondary Aquifer
Unproductive Aquifer
Soluble Rock

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 241492517_1_1
Customer Ref: C-15297-C_1
National Grid Reference: 272290, 203500
Site: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

Tesco Stores Ltd, Gwyns Drift, Alltwen, Pontardawe, SWANSEA SA8 3AZ



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Hydrock

Bedrock Aquifer Designation

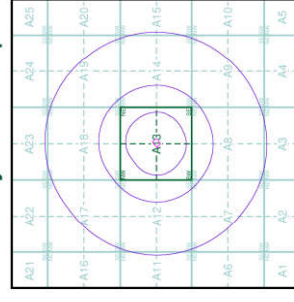
General
Specified Site Specified Buffer(s) Bearing Reference Point
Site Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 241492517 1_1
Customer Ref: C-15297-C_1
National Grid Reference: 272290, 203500
Site: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

Tesco Stores Ltd, Gwyns Drift, Alltwn, Pontardawe, SWANSEA SA8 3AZ



Tel: 0844 844 9952
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Hydrock

Superficial Aquifer Designation

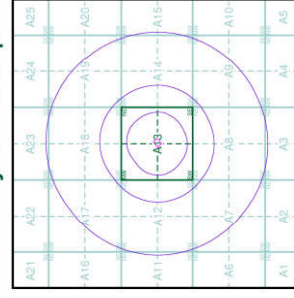
General
Specified Site Specified Buffer(s) Bearing Reference Point
Site Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 241492517 1_1
Customer Ref: C-15297-C_1
National Grid Reference: 272290, 203500
Site: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

Tesco Stores Ltd, Gwyns Drift, Alltwn, Pontardawe, SWANSEA SA8 3AZ

Landmark
INFORMATION GROUP

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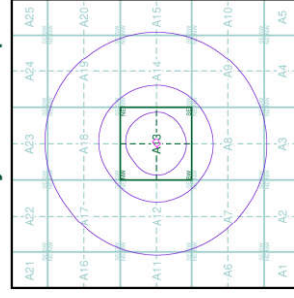


Hydrock

Sensitive Land Uses

- General**
- Specified Site
 - Specified Buffer(s)
 - Map ID
 - Bearing Reference Point
- 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: 241492517 1_1
Customer Ref: C-15297-C_1
National Grid Reference: 277290, 203500
Site: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

Tesco Stores Ltd, Gwyns Drift, Alltwn, Pontardawe, SWANSEA SA8 3AZ



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Hydrock

BGS Flood GFS Data

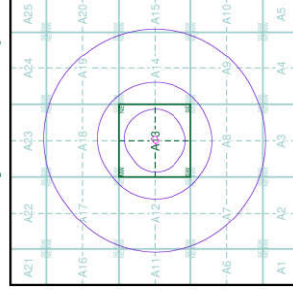
General

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

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: 241492517 1_1
Customer Ref: C-15297-C_1
National Grid Reference: 272290, 203500
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

Tesco Stores Ltd, Gwyns Drift, Alltwn, Pontardawe, SWANSEA SA8 3AZ



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Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

241492517_1_1

Customer Reference:

C-15297-C

National Grid Reference:

272290, 203500

Slice:

A

Site Area (Ha):

0.31

Search Buffer (m):

1000

Site Details:

Tesco Stores Ltd, Gwyns Drift
Alltwen
Pontardawe
SWANSEA
SA8 3AZ

Client Details:

Mr R Swayne
Hydrock Consultants
Over Court Barns
Over Lane
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Bristol
BS32 4DF

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	50
Hazardous Substances	-
Geological	54
Industrial Land Use	67
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Introduction

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

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 2		3	15	15
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 11		2		3
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 11		Yes		
Pollution Incidents to Controlled Waters	pg 12		5	41	33
Prosecutions Relating to Authorised Processes	pg 25			1	
Registered Radioactive Substances					
River Quality	pg 25		3	1	
River Quality Biology Sampling Points	pg 26		1		
River Quality Chemistry Sampling Points	pg 27		2	1	
Substantiated Pollution Incident Register	pg 29				3
Water Abstractions	pg 30				2 (*4)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 31	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 31	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 31	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 31	Yes		n/a	n/a
Flooding from Rivers or Sea without Defences	pg 31		Yes	n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 32		5	30	123

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 50			1	
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 50	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 50	1		3	4
Potentially Infilled Land (Water)	pg 50		5	13	39
Registered Landfill Sites	pg 53			1	
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

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 54	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 54	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 62		1	2	15
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 65	Yes	n/a	n/a	n/a
Mining Instability	pg 65	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 65	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 65		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 65	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 65	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 66		Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 66	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures	pg 66	Yes	n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 67		2	14	49
Fuel Station Entries	pg 72		1		4
Points of Interest - Commercial Services	pg 73		2	2	17
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 75		1	3	19
Points of Interest - Public Infrastructure	pg 77		2	3	18
Points of Interest - Recreational and Environmental	pg 79		2	4	5
Gas Pipelines	pg 80				1
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland	pg 81			2	13
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves	pg 82				1
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (SE)	0	1	272288 203495
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	18	1	272288 203550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (E)	24	1	272350 203495
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	46	1	272250 203550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	63	1	272300 203400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	74	1	272400 203500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	117	1	272300 203650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	124	1	272450 203500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (W)	145	1	272100 203500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	156	1	272450 203600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	167	1	272150 203350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	245	1	272550 203600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	245	1	272050 203650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	260	1	272000 203400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	261	1	272450 203750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	271	1	272050 203300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (W)	295	1	271950 203500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	326	1	271950 203350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	336	1	272100 203800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	336	1	271950 203650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	342	1	272000 203250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	353	1	272150 203850

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	358	1	272000 203750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (W)	362	1	271900 203600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	367	1	272350 203100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	372	1	271900 203350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (SW)	393	1	271900 203300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (W)	399	1	271850 203550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (SW)	419	1	271900 203250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (W)	445	1	271800 203500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12SE (W)	446	1	271800 203450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (W)	449	1	271800 203550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	483	1	271800 203300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	495	1	271750 203495
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (W)	495	1	271750 203500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	496	1	271750 203450
1	Discharge Consents Operator: West Glamorgan County Council Property Type: Undefined Or Other Location: Swansea Valley A4067 Glais To Ponta, A4067 Glais To Pontardawe Outfal, Glais To Pontardawe Outfall B Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0032202 Permit Version: 1 Effective Date: 1st December 1986 Issued Date: 1st December 1986 Revocation Date: 2nd November 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: River Tawe Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	136	2	272400 203630

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Swo Alloy Industrial Site Soc 19 Authority: Natural Resources Wales Catchment Area: TAWC -CONFLUENCE WITH TWRCH TO TIDAL LIMIT Reference: BW2302901 Permit Version: 1 Effective Date: 22nd July 1966 Issued Date: 22nd July 1966 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Tawe Status: Surrendered Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	237	2	272464 203709
2	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Swo Alloy Industrial Site Soc 19 Authority: Natural Resources Wales Catchment Area: TAWC -CONFLUENCE WITH TWRCH TO TIDAL LIMIT Reference: Bw2302901 Permit Version: 1 Effective Date: 22nd July 1966 Issued Date: 22nd July 1966 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Tawe Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	237	2	272464 203709
2	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Pontardawe 2 To R Tawe Cso Swansea, Pontardawe No 2 Into R Tawe Cso, Trebanos Authority: Natural Resources Wales Catchment Area: TAWC -CONFLUENCE WITH TWRCH TO TIDAL LIMIT Reference: Bc0016801 Permit Version: 2 Effective Date: 31st March 2007 Issued Date: 21st March 2007 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Tawe Status: Effective Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	264	2	272482 203729
2	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Pontardawe 2 To R Tawe Cso Swansea, Pontardawe No 2 Into R Tawe Cso, Trebanos Authority: Natural Resources Wales Catchment Area: TAWC -CONFLUENCE WITH TWRCH TO TIDAL LIMIT Reference: Bc0016801 Permit Version: 2 Effective Date: 31st March 2007 Issued Date: 21st March 2007 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Tawe Status: Effective Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	264	2	272482 203729

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	Discharge Consents Operator: West Glamorgan County Council Property Type: Undefined Or Other Location: Swansea Valley A4067 Glais To Ponta, A4067 Glais To Pontardawe Outfal, Glais To Pontardawe Outfall C Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0032203 Permit Version: 1 Effective Date: 1st December 1986 Issued Date: 1st December 1986 Revocation Date: 2nd November 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Upper Clydach Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A13NE (N)	255	2	272400 203770
4	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Sso Pontardawe No. 2 Swansea Authority: Natural Resources Wales Catchment Area: River Tawe Reference: BC0016801 Permit Version: 1 Effective Date: 22nd July 1966 Issued Date: 22nd July 1966 Revocation Date: 30th March 2007 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: River Tawe Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	299	2	272510 203750
4	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Pontardawe 2 To R Tawe Cso Swansea, In Car Park, End Of Tawe Terrace, Pontardawe, Sa8 4ep Authority: Natural Resources Wales Catchment Area: Tawe -CONFLUENCE WITH TWRCH TO TIDAL LIMIT Reference: Bc0016801 Permit Version: 3 Effective Date: 21st October 2019 Issued Date: 21st October 2019 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Tawe Status: Effective Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	301	2	272515 203749
5	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Pontardawe Leis Centre Cso Swansea, Rear Pontardawe Leisure Centre, Ynysderw Road, Pontardawe, Sa8 4eg Authority: Natural Resources Wales Catchment Area: Tawe -CONFLUENCE WITH TWRCH TO TIDAL LIMIT Reference: Bw4108701 Permit Version: 4 Effective Date: 21st October 2019 Issued Date: 21st October 2019 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Afon Tawe Status: Effective Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	326	2	271976 203304

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewage Disposal Works Location: Pontardawe Leis Centre Cso Swansea, Pontardawe Leisure Centre, Ynysderw Road, Trebanos, Sa8 4eg Authority: Natural Resources Wales Catchment Area: TAWC -CONFLUENCE WITH TWRCH TO TIDAL LIMIT Reference: Bw4108701 Permit Version: 3 Effective Date: 31st March 2007 Issued Date: 21st March 2007 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Tawe Status: Effective Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	326	2	271976 203304
5	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewage Disposal Works Location: Pontardawe Leis Centre Cso Swansea, Pontardawe Leisure Centre, Ynysderw Road, Trebanos, Sa8 4eg Authority: Natural Resources Wales Catchment Area: TAWC -CONFLUENCE WITH TWRCH TO TIDAL LIMIT Reference: Bw4108701 Permit Version: 3 Effective Date: 31st March 2007 Issued Date: 21st March 2007 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Tawe Status: Effective Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	326	2	271976 203304
6	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: 100m D/S Pontardawe Leis Centre Npt, 100m D/S Pontardawe Leisure Cent, Pontardawe, Neath Port Talbot Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bw4108701 Permit Version: 2 Effective Date: 7th March 2005 Issued Date: 7th March 2005 Revocation Date: 30th March 2007 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Tawe Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	363	2	271980 203240
6	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: 100m D/S Pontardawe Leis Centre Npt, 100m D/S Pontardawe Leisure Cent, Pontardawe, Neath Port Talbot Authority: Natural Resources Wales Catchment Area: River Tawe Reference: BW4108701 Permit Version: 1 Effective Date: 20th October 1989 Issued Date: 20th October 1989 Revocation Date: 6th March 2005 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: River Tawe Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	363	2	271980 203240

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Swo. Alltwn (Soc 18) Authority: Natural Resources Wales Catchment Area: TAWC -CONFLUENCE WITH TWRCH TO TIDAL LIMIT Reference: BW2303001 Permit Version: 1 Effective Date: 22nd July 1966 Issued Date: 22nd July 1966 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Tawe Status: Surrendered Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	363	2	271979 203241
6	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Swo. Alltwn (Soc 18) Authority: Natural Resources Wales Catchment Area: TAWC -CONFLUENCE WITH TWRCH TO TIDAL LIMIT Reference: Bw2303001 Permit Version: 1 Effective Date: 22nd July 1966 Issued Date: 22nd July 1966 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Tawe Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	363	2	271979 203241
7	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Cso At Dilwyn Arms Pontardawe Cross Npt, Pat Chohan Court, Herbert Street, Pontardawe, Swansea, Sa8 4ea Authority: Natural Resources Wales Catchment Area: UPPER CLYDACH - HEADWATERS TO CONFLUENCE WITH TAWC Reference: Bp0343601 Permit Version: 3 Effective Date: 25th October 2019 Issued Date: 25th October 2019 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Upper Clydach Status: Effective Positional Accuracy: Located by supplier to within 10m	A18SW (N)	427	2	272172 203939
7	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Dilwyn Arms Pontardawe Cross Npt, Pontardawe Cross, Neath Port Talbot Authority: Natural Resources Wales Catchment Area: UPPER CLYDACH - HEADWATERS TO CONFLUENCE WITH TAWC Reference: Bp0343601 Permit Version: 2 Effective Date: 31st March 2009 Issued Date: 6th March 2009 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Upper Clydach Status: Effective Positional Accuracy: Located by supplier to within 10m	A18SW (N)	427	2	272172 203939

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Dilwyn Arms Pontardawe Cross Npt, Pontardawe Cross, Neath Port Talbot Authority: Natural Resources Wales Catchment Area: UPPER CLYDACH - HEADWATERS TO CONFLUENCE WITH TAWE Reference: Bp0343601 Permit Version: 2 Effective Date: 31st March 2009 Issued Date: 6th March 2009 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Upper Clydach Status: Effective Positional Accuracy: Located by supplier to within 10m	A18SW (N)	427	2	272172 203939
8	Discharge Consents Operator: Mr K H Palmer Property Type: Domestic Property (Single) Location: 46 Derwen Road Alltwn Swansea, Alltwn, Sa8 3au Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bp0297001 Permit Version: 1 Effective Date: 11th April 2002 Issued Date: 11th April 2002 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Nant Y Llechau 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	A8NW (SW)	515	2	272050 203000
8	Discharge Consents Operator: G Davies Property Type: Domestic Property (Single) Location: 48 Derwen Road, Alltwn, Pontardawe, Swansea, Sa8 3au Authority: Natural Resources Wales Catchment Area: TAWE -CONFLUENCE WITH TWRCH TO TIDAL LIMIT Reference: Bp0129401 Permit Version: 2 Effective Date: 26th November 2012 Issued Date: 26th November 2012 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Into Land Environment: Receiving Water: Groundwater Via Infiltration System Status: Effective Positional Accuracy: Approximate location provided by supplier	A8NW (SW)	539	2	272000 203000
8	Discharge Consents Operator: Mr G Davies Property Type: Domestic Property (Single) Location: 48 Derwen Road, Alltwn, Pontardawe, Swansea, Sa8 3au Authority: Natural Resources Wales Catchment Area: River Tawe Reference: BP0129401 Permit Version: 1 Effective Date: 5th September 1989 Issued Date: 5th September 1989 Revocation Date: 25th November 2012 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Into Land Environment: Receiving Water: To Land Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	A8NW (SW)	539	2	272000 203000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	Discharge Consents Operator: Betsworth J W Property Type: Domestic Property (Single) Location: 48 Derwen Road, Alltwn, Pontardawe, Swansea, Sa8 3au Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0141201 Permit Version: 1 Effective Date: 20th December 1988 Issued Date: 20th December 1988 Revocation Date: 10th October 1994 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: To Land Status: Consent expired Positional Accuracy: Approximate location provided by supplier	A8NW (SW)	539	2	272000 203000
8	Discharge Consents Operator: Mr Brian Pridmore Property Type: Domestic Property (Single) Location: Septic Tank Serving 47 Derwen Road, Alltwn, Pontardawe, Swansea, Sa8 3au Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Npswqd006606 Permit Version: 1 Effective Date: 1st May 2009 Issued Date: 1st May 2009 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Gw 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	A8NW (SW)	560	2	271963 203000
8	Discharge Consents Operator: Gareth Davies Property Type: Not Supplied Location: 50 Derwen Rd Alltwn Pontardawe, 50 Derwen Road, Alltwn, Pontardawe, Neath Port Talbot, Sa8 3au Authority: Natural Resources Wales Catchment Area: Tawe -CONFLUENCE WITH TWRCH TO TIDAL LIMIT Reference: Bp0368101 Permit Version: 1 Effective Date: 16th November 2007 Issued Date: 16th November 2007 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Nant Y Llechau Status: Effective Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	576	2	271980 202970
9	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Dilwyn Arms Pontardawe Cross Npt, Pontardawe Cross, Neath Port Talbot Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bp0343601 Permit Version: 1 Effective Date: 31st March 2008 Issued Date: 7th March 2005 Revocation Date: 30th March 2009 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Upper Clydach Status: Consent without application (Water Resources Act 1991, Schedule 10) Positional Accuracy: Located by supplier to within 10m	A18SW (NW)	542	2	272068 204020

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: James Street Cso, In Front Of 7 Compass Row, Pontardawe, Swansea, Sa8 4ls Authority: Natural Resources Wales Catchment Area: UPPER CLYDACH - HEADWATERS TO CONFLUENCE WITH TAWE Reference: Wqd005714 Permit Version: 2 Effective Date: 21st October 2019 Issued Date: 21st October 2019 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Upper Clydach River Status: Effective Positional Accuracy: Located by supplier to within 10m	A18SW (NW)	682	2	271993 204139
10	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: James Street Cso, Pontardawe, Neath Port Talbot Authority: Natural Resources Wales Catchment Area: UPPER CLYDACH - HEADWATERS TO CONFLUENCE WITH TAWE Reference: Wqd005714 Permit Version: 1 Effective Date: 31st March 2009 Issued Date: 28th January 2009 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Upper Clydach River Status: Effective Positional Accuracy: Located by supplier to within 10m	A18SW (NW)	682	2	271993 204139
10	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: James Street Cso, Pontardawe, Neath Port Talbot Authority: Natural Resources Wales Catchment Area: UPPER CLYDACH - HEADWATERS TO CONFLUENCE WITH TAWE Reference: Wqd005714 Permit Version: 1 Effective Date: 31st March 2009 Issued Date: 28th January 2009 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Upper Clydach River Status: Effective Positional Accuracy: Located by supplier to within 10m	A18SW (NW)	682	2	271993 204139
10	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: James Street Cso, Pontardawe, Neath Port Talbot Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Npswqd005714 Permit Version: 1 Effective Date: 31st March 2009 Issued Date: 28th January 2009 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Upper Clydach River 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 (NW)	682	2	271993 204139

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Ditch Bel Canal Cso Nr Arthur Terr, Dithc Below Canal Cso, Nr Arthur Terrace, Pontardawe, Neath Port Talbot Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bw2302701 Permit Version: 2 Effective Date: 7th March 2005 Issued Date: 7th March 2005 Revocation Date: 31st March 2007 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Unknown Water Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A18NE (N)	695	2	272500 204200
11	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Ditch Bel Canal Cso Nr Arthur Terr, Dithc Below Canal Cso, Nr Arthur Terrace, Pontardawe, Neath Port Talbot Authority: Natural Resources Wales Catchment Area: River Tawe Reference: BW2302701 Permit Version: 1 Effective Date: 20th October 1989 Issued Date: 20th October 1989 Revocation Date: 6th March 2005 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Unnamed Stream Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	A18NE (N)	695	2	272500 204200
12	Discharge Consents Operator: Worts S J Property Type: Undefined Or Other Location: 37 Glynmeirch Rd Trebanos Pontardaw, Trebanos Pontardawe Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bm0018701 Permit Version: 1 Effective Date: 3rd September 1981 Issued Date: 3rd September 1981 Revocation Date: 2nd July 1994 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Underground Strata Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A12SW (W)	856	2	271400 203350
13	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Water Supply Grid Location: Brynllwellyn Chl.Overf Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bp0174001 Permit Version: 1 Effective Date: 2nd October 1989 Issued Date: 2nd October 1989 Revocation Date: 14th March 1994 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: To Land Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A15NW (E)	995	2	273300 203700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	Prosecutions Relating to Controlled Waters Location: Pontardawe Leisure Centre, Ynysderw Road, Pontardawe, SWANSEA, West Glamorgan, SA8 4EG Prosecution Text: EA News Release 12/04/1999, (Case 1 of 2), Polluting River Tawe with sewage on 18th March 1998 due to a blocked sewer. Prosecution Act: WRA91 s85(3) Hearing Date: 7th April 1999 Verdict: Guilty Fine: 2000 Cost: 400 Positional Accuracy: Manually positioned to the road within the address or location	A13NW (N)	138	4	272272 203667
14	Prosecutions Relating to Controlled Waters Location: Pontardawe Leisure Centre, Ynysderw Road, Pontardawe, SWANSEA, West Glamorgan, SA8 4EG Prosecution Text: EA News Release 01/03/1999 (Case 2 of 2), Polluting River Tawe with sewage on 18th March 1998 due to a blocked sewer. Prosecution Act: WRA91 s85(6) Hearing Date: 26th February 1999 Verdict: Guilty Fine: 1000 Cost: 240 Positional Accuracy: Manually positioned to the road within the address or location	A13NW (N)	143	4	272272 203672
15	Local Authority Pollution Prevention and Controls Name: Tesco Stores Ltd Location: Gwyns Drift, Pontardawe, Sa8 4bz Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/109 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	49	3	272356 203546
16	Local Authority Pollution Prevention and Controls Name: Economic Packaging Limited Location: Ynysderw Road, Pontardawe, SWANSEA, West Glamorgan, SA8 4EH Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/55 Dated: 9th May 1997 Process Type: Local Authority Air Pollution Control Description: PG6/15 Coating in drum manufacturing and reconditioning processes Status: Authorisation has varied Positional Accuracy: Automatically positioned to the address	A13NW (NW)	188	3	272193 203685
17	Local Authority Pollution Prevention and Controls Name: Avenue GarageD W M Ltd Location: Swansea Road, Pontardawe, SWANSEA, West Glamorgan, SA8 4AA Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/81 Dated: 8th April 1999 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Automatically positioned to the address	A12SE (W)	510	3	271737 203443
18	Local Authority Pollution Prevention and Controls Name: Pontardawe Foundry & Engineering Co Ltd Location: Holly Street, Pontardawe, SWANSEA, West Glamorgan, SA Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: e3/1/22 Dated: 22nd August 1994 Process Type: Local Authority Air Pollution Control Description: PG2/4 Iron, steel and non-ferrous metal foundry processes Status: Authorisation has varied Positional Accuracy: Manually positioned to the road within the address or location	A18SE (N)	532	3	272405 204056
19	Local Authority Pollution Prevention and Controls Name: Wall Colmonoy Limited Location: Alloy Industrial Estate, Pontardawe, SWANSEA, West Glamorgan, SA8 4HL Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/56 Dated: 18th November 1997 Process Type: Local Authority Air Pollution Control Description: PG6/35 Metal and other thermal spraying processes Status: Authorised Positional Accuracy: Automatically positioned to the address	A19NW (NE)	772	3	272719 204184
	Nearest Surface Water Feature	A13NW (NW)	21	-	272264 203529

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Storm Overflow Location: Stone Shelter Near, PONTARDAWE Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Weather Incident Date: 11th March 1995 Incident Reference: 23326 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (W)	46	4	272200 203500
21	Pollution Incidents to Controlled Waters Property Type: Not Given Location: River, To Pontardawe, Leisure Centre Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 25th September 1995 Incident Reference: 26331 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (N)	67	4	272300 203600
22	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Confluence Of, Upper Clydach And Tawe Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Not Supplied Incident Date: 18th September 1994 Incident Reference: 21167 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (N)	162	4	272300 203695
22	Pollution Incidents to Controlled Waters Property Type: Council Premises Location: Leisure Centre, PONTARDAWE Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Weather Incident Date: 3rd March 1995 Incident Reference: 23194 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (N)	167	4	272300 203700
23	Pollution Incidents to Controlled Waters Property Type: Council Premises Location: Leisure Centre, PONTARDAWE Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Blocked Sewer Incident Date: 27th December 1991 Incident Reference: 1843 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	199	4	272500 203600
24	Pollution Incidents to Controlled Waters Property Type: Road Location: Bridge, PONTARDAWE Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Poor Operational Practise Incident Date: 2nd July 1991 Incident Reference: 960 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Effluent Discharge Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	254	4	272500 203695

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Old Bridge, PONTARDAWE Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Not Supplied Incident Date: 6th December 1991 Incident Reference: 1661 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	257	4	272500 203700
25	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Opposite Leisure Centre, Playing Field On Left Bank Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: River Tawe; Overflow Incident Date: 12th November 1997 Incident Reference: 34213 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (W)	260	4	272000 203400
25	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Storm Water Outlet On, The Alltwen Side, Opposite Leisure Centre Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: River Tawe; Overflow Incident Date: 28th October 1997 Incident Reference: 34084 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (W)	262	4	272000 203395
26	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Glais, PONTARDAWE Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Deliberate Act Incident Date: 25th August 1994 Incident Reference: 20686 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Direct Discharge Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (N)	262	4	272305 203795
26	Pollution Incidents to Controlled Waters Property Type: Not Given Location: GLAIS Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Deliberate Act Incident Date: 23rd August 1994 Incident Reference: 20682 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Direct Discharge Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (N)	262	4	272300 203795
26	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Glais Bridge, And Upstream Authority: Environment Agency, Welsh Region Pollutant: Agricultural: Silage Liquor Note: Deliberate Act Incident Date: 23rd August 1994 Incident Reference: 20682 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Direct Discharge Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (N)	267	4	272300 203800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Clydach, TREBANOS Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Deliberate Act Incident Date: 23rd August 1994 Incident Reference: 20682 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Direct Discharge Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (N)	267	4	272305 203800
27	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Leisure Centre, PONTARDAWE Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 9th October 1995 Incident Reference: 26513 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	331	4	272500 203800
28	Pollution Incidents to Controlled Waters Property Type: Not Given Location: ALLTWEN Authority: Environment Agency, Welsh Region Pollutant: Farm Effluent/Slurry Note: Not Supplied Incident Date: 13th April 1995 Incident Reference: 23755 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	333	4	272500 203200
29	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Surface Runoff Location: A & M Transport, Ynisderw Road Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Deliberate Act Incident Date: 6th May 1992 Incident Reference: 4585 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SE (NE)	349	4	272450 203850
30	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Canal Aqueduct, PONTARDAWE Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Upper Clydach; Overflow Incident Date: 13th September 1997 Incident Reference: 33674 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (N)	369	4	272210 203890
30	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Pontardawe Cross, Pontardawe, SWANSEA Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Upper Clydach; Overflow Incident Date: 13th September 1997 Incident Reference: 33674 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (N)	371	4	272205 203890

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	Pollution Incidents to Controlled Waters Property Type: Not Given Location: At Pontardawe Cross, Seen From Bridge, By Traffic Lights Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Upper Clydach; Overflow Incident Date: 3rd June 1997 Incident Reference: 32453 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (N)	372	4	272200 203890
30	Pollution Incidents to Controlled Waters Property Type: Not Given Location: In Pontardawe, Close To Cross Behind, Dillwyn Arms Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Upper Clydach; Overflow Incident Date: 21st August 1997 Incident Reference: 33308 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (N)	373	4	272195 203890
30	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Behind Dillwyn Arms, PONTARDAWE Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Upper Clydach; Overflow Incident Date: 13th September 1997 Incident Reference: 33674 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (N)	374	4	272210 203895
30	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Rear Dillwyn Arms, PONTARDAWE Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Blocked Sewer Incident Date: 13th July 1996 Incident Reference: 29208 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (N)	375	4	272205 203895
30	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Dillwyn Arms, Protection Station Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Blocked Sewer Incident Date: 13th July 1996 Incident Reference: 29208 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (N)	377	4	272200 203895
30	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Under Canal Aqueduct By, The Paradise Nightclub Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Upper Clydach; Overflow Incident Date: 21st August 1997 Incident Reference: 33308 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (N)	378	4	272195 203895

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Rear Of Dillwyn Arms, PONTARDAWE Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Upper Clydach; Overflow Incident Date: 13th September 1997 Incident Reference: 33674 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (N)	379	4	272210 203900
30	Pollution Incidents to Controlled Waters Property Type: Not Given Location: At Pontardawe Cross Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Blockage Incident Date: 3rd June 1997 Incident Reference: 32453 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (N)	380	4	272205 203900
30	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Upper Clydach Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Blocked Sewer Incident Date: 13th July 1996 Incident Reference: 29208 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (N)	382	4	272200 203900
30	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Near Aqueduct, PONTARDAWE Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Upper Clydach; Overflow Incident Date: 3rd June 1997 Incident Reference: 32453 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (N)	383	4	272195 203900
30	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Near Paradise Nightclub, PONTARDAWE Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Upper Clydach; Overflow Incident Date: 3rd June 1997 Incident Reference: 32453 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (N)	384	4	272210 203905
30	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Near Paradise Nightclub, PONTARDAWE Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Blockage Incident Date: 3rd June 1997 Incident Reference: 32453 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (N)	385	4	272205 203905

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Near Aqueduct, PONTARDAWE Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Blockage Incident Date: 3rd June 1997 Incident Reference: 32453 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (N)	386	4	272200 203905
30	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Rear Of Paradise Nightclub, PONTARDAWE Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Blockage Incident Date: 3rd June 1997 Incident Reference: 32453 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (N)	388	4	272195 203905
30	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Outside Paradise Nightclub, PONTARDAWE Authority: Environment Agency, Welsh Region Pollutant: Sewage Debris/Litter Note: Upper Clydach; Overflow Incident Date: 11th February 1998 Incident Reference: 34779 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (N)	389	4	272210 203910
30	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Rear Of Paradise Nightclub, PONTARDAWE Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Upper Clydach; Overflow Incident Date: 3rd June 1997 Incident Reference: 32453 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (N)	390	4	272205 203910
31	Pollution Incidents to Controlled Waters Property Type: Not Given Location: 500 Yards U/S Picnic Site Above Cwmgiedd, Enters On Left Bank Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Upper Clydach; Overflow Incident Date: 13th October 1997 Incident Reference: 34337 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	413	4	272105 203895
31	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Upper Clydach Authority: Environment Agency, Welsh Region Pollutant: Natural Foam Note: Poor Management Control Incident Date: 3rd May 1996 Incident Reference: 28324 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	416	4	272100 203895

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Dilwyn Arms Crude Sewage Overflow Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Upper Clydach; Overflow Incident Date: 9th February 1998 Incident Reference: 34738 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	418	4	272105 203900
31	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Sewerage Location: Upper Clydach Authority: Environment Agency, Welsh Region Pollutant: Natural Foam Note: Poor Operational Practise Incident Date: 3rd May 1996 Incident Reference: 28324 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	420	4	272100 203900
31	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Rear Of Dilwyn Hotel, Close To The Aqueduct Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Upper Clydach; Overflow Incident Date: 12th August 1997 Incident Reference: 33221 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	422	4	272105 203905
31	Pollution Incidents to Controlled Waters Property Type: Not Given Location: PONTARDAWE Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Upper Clydach; Overflow Incident Date: 3rd October 1997 Incident Reference: 33966 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	425	4	272100 203905
32	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Pontardawe Square Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Upper Clydach; Overflow Incident Date: 29th December 1997 Incident Reference: 34393 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SE (N)	417	4	272300 203950
33	Pollution Incidents to Controlled Waters Property Type: Not Given Location: 200M Down From, Leisure Centre, PONTARDAWE Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: River Tawe; Overflow Incident Date: 15th March 1998 Incident Reference: 35678 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A12SE (SW)	450	4	271900 203200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	Pollution Incidents to Controlled Waters Property Type: Council Premises Location: Location Description Not Available Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Not Supplied Incident Date: 24th May 1991 Incident Reference: 770 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NW (S)	467	4	272200 203000
34	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Stream, Below Building Developments Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Llan Llechau (Tributary Of River Tawe); Run-Off Incident Date: 20th June 1997 Incident Reference: 32915 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Poor Management Control Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NW (S)	517	4	272200 202950
35	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Cso/Pipe, Dingle Farm, Near Nightclub Authority: Environment Agency, Welsh Region Pollutant: Sewage - Treated Effluent Note: Blocked Sewer Incident Date: 21st September 1996 Incident Reference: 30126 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	472	4	272000 203895
35	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, Welsh Region Pollutant: Miscellaneous - Fire water / Foam Note: Not Supplied Incident Date: 20th August 1995 Incident Reference: 25791 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	476	4	272000 203900
36	Pollution Incidents to Controlled Waters Property Type: Not Given Location: ABERNANT Authority: Environment Agency, Welsh Region Pollutant: Sewage - Treated Effluent Note: Not Supplied Incident Date: 27th September 1995 Incident Reference: 26350 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SW (E)	482	4	272800 203400
37	Pollution Incidents to Controlled Waters Property Type: Not Given Location: The Crossroads, PONTARDAWE Authority: Environment Agency, Welsh Region Pollutant: Light Oil Note: Not Supplied Incident Date: 15th July 1991 Incident Reference: 1034 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (N)	510	4	272100 204000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
38	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Between, Rhydyfro And Pontardawe Authority: Environment Agency, Welsh Region Pollutant: Sewage - Septic Tank Effluent Note: Not Supplied Incident Date: 22nd April 1991 Incident Reference: 180 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	532	4	272050 204000
38	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Near Canal Overflow, PONTARDAWE Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Blockage Incident Date: 7th January 1997 Incident Reference: 30798 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	551	4	272005 203995
38	Pollution Incidents to Controlled Waters Property Type: Coal Location: Confluence, With Tawe Authority: Environment Agency, Welsh Region Pollutant: Foam/Soap Suds Note: Weather Incident Date: 13th February 1991 Incident Reference: 2020 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Runoff Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	554	4	272000 203995
38	Pollution Incidents to Controlled Waters Property Type: Coal Location: Road Bridge, PONTARDAWE Authority: Environment Agency, Welsh Region Pollutant: Cement/Mortar Note: Poor Operational Practise Incident Date: 4th January 1991 Incident Reference: 2238 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	558	4	272000 204000
38	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Castle Hotel, PONTARDAWE Authority: Environment Agency, Welsh Region Pollutant: Sewage - Treated Effluent Note: Not Supplied Incident Date: 27th February 1995 Incident Reference: 23324 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	578	4	272010 204030
39	Pollution Incidents to Controlled Waters Property Type: Road Location: PONTARDAWE Authority: Environment Agency, Welsh Region Pollutant: Foam/Soap Suds Note: Deliberate Act Incident Date: 17th January 1991 Incident Reference: 4018 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Direct Discharge Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A18SE (N)	575	4	272400 204100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
40	Pollution Incidents to Controlled Waters Property Type: Not Given Location: PONTARDAWE Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Weather Incident Date: 9th June 1991 Incident Reference: 787 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (N)	603	4	272100 204100
41	Pollution Incidents to Controlled Waters Property Type: Not Given Location: PONTARDAWE Authority: Environment Agency, Welsh Region Pollutant: Light Oil Note: Deliberate Act Incident Date: 31st August 1994 Incident Reference: 20705 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Direct Discharge Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	644	4	272000 204100
42	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Downstream Of Footbridge At, Primary School Authority: Environment Agency, Welsh Region Pollutant: Algae Note: Blocked Sewer Incident Date: 8th July 1996 Incident Reference: 29115 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SE (SE)	733	4	273000 203200
42	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Near Westlake Public House, From Rhos To, ALLTWEN Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Blocked Sewer Incident Date: 8th July 1996 Incident Reference: 29115 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SE (SE)	735	4	273000 203195
42	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Rear Of Garden Of, 200M Upstream Of Sun Inn, ALLTWEN Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Blocked Sewer Incident Date: 8th July 1996 Incident Reference: 29115 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SE (SE)	740	4	273005 203195
43	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Cwmdu Glan Area, Pontabraham And Tycroes, Rear Of Jones Street, PONTARDAWE Authority: Environment Agency, Welsh Region Pollutant: Rubble/Litter Or Solids Note: Blocked Sewer Incident Date: 6th March 1996 Incident Reference: 27731 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (NW)	735	4	271985 204195

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
43	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Storm Overflow Location: PONTARDAWE Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Blocked Sewer Incident Date: 6th March 1996 Incident Reference: 27731 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (NW)	737	4	271980 204195
43	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Pontardawe Past Traffic Lights, 20 Yards Up Road To The Estate Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Blocked Sewer Incident Date: 6th March 1996 Incident Reference: 27731 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (NW)	740	4	271985 204200
43	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Storm Overflow Location: Cwmdu Glan Area, PONTARDAWE Authority: Environment Agency, Welsh Region Pollutant: Rubble/Litter Or Solids Note: Blocked Sewer Incident Date: 6th March 1996 Incident Reference: 27731 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (NW)	742	4	271980 204200
44	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Fforwdd Tawe, Opposite Pelican Public House, PONTARDAWE Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Accidental Spillage/Leakage Incident Date: 3rd April 1996 Incident Reference: 27835 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	762	4	272300 204295
44	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Surface Water Outfall Location: Fforwdd Tawe, Opposite Somerfield Supermarket Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Accidental Spillage/Leakage Incident Date: 3rd April 1996 Incident Reference: 27835 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	767	4	272300 204300
45	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Opposite Baird Wear Factory Authority: Environment Agency, Welsh Region Pollutant: Coal Solids Note: Blocked Sewer Incident Date: 18th July 1996 Incident Reference: 29211 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	780	4	271900 204200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
46	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Dram, Road/Footpath Authority: Environment Agency, Welsh Region Pollutant: Mining Water Note: Not Supplied Incident Date: 28th March 1995 Incident Reference: 23368 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NE (SE)	799	4	273000 203060
47	Pollution Incidents to Controlled Waters Property Type: Not Given Location: PONTARDAWE Authority: Environment Agency, Welsh Region Pollutant: Light Oil Note: Upper Clydach Incident Date: 16th March 1998 Incident Reference: 35075 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	821	4	272000 204295
47	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Crude Sewage Overflow Up From, Pontardawe On Ammanford Road, 200 Yards On Left Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 26th February 1997 Incident Reference: 31376 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	825	4	272000 204300
48	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Ponty Bypass, Rear Snack Bar, Lt Bank-Stream From Alltwn Side Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Tributary Of River Tawe; Overflow Incident Date: 16th December 1997 Incident Reference: 34396 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	833	4	273000 203995
48	Pollution Incidents to Controlled Waters Property Type: Not Given Location: 89 Graig Road, Gellinidal Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Not Supplied Incident Date: 30th May 1995 Incident Reference: 24221 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	836	4	273000 204000
49	Pollution Incidents to Controlled Waters Property Type: Not Given Location: By Leisure Centre, Pontardawe; By Concrete Wall, Alltwn Side Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: River Tawe; Overflow Incident Date: 11th September 1997 Incident Reference: 33516 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	891	4	271500 203000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
50	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Storm Overflow Location: Opposite Morris Cohen Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Blocked Sewer Incident Date: 19th August 1991 Incident Reference: 1393 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	914	4	271800 204295
50	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Storm Overflow Location: George, Cohne Factory, PONTARDAWE Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Blocked Sewer Incident Date: 18th September 1994 Incident Reference: 21270 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	918	4	271800 204300
51	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Near Gwyn Hotel, St Marys Church, PONTARDULAI Authority: Environment Agency, Welsh Region Pollutant: Light Oil Note: Not Supplied Incident Date: 18th July 1996 Incident Reference: 29201 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	953	4	272700 204400
52	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Off Bryn Morrug, Path At End Of Lane, Running Accross Field Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: River Tawe; Overflow Incident Date: 12th November 1997 Incident Reference: 34268 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A15SW (E)	978	4	273300 203400
53	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Graig Road, Garw Valley, Pontardawe, SWANSEA Authority: Environment Agency, Welsh Region Pollutant: Sewage - Treated Effluent Note: Deliberate Act Incident Date: 21st February 1996 Incident Reference: 27421 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	982	4	272500 204495
53	Pollution Incidents to Controlled Waters Property Type: Domestic/Residential Location: Graig Road, Gellinudd, PONTARDAWE Authority: Environment Agency, Welsh Region Pollutant: Sewage - Treated Effluent Note: Deliberate Act Incident Date: 21st February 1996 Incident Reference: 27421 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	986	4	272500 204500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
54	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Pontardawe At, Cinders Pool Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: River Tawe Incident Date: 20th April 1998 Incident Reference: 35536 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	998	4	272800 204400
55	Prosecutions Relating to Authorised Processes Location: Alladin Works, Alltwen, Pontardawe, Swansea, SA8 3 Prosecution Text: Failing To Comply With A Condition Of His Waste Management Licence And Disposing Of Controlled Waste Except Under And In Accordance With A Waste Management Licence. Prosecution Act: Epa90s33 Hearing Date: 4th December 2001 Verdict: Guilty Fine: 500 Costs: 1096 Positional Accuracy: Manually positioned within the geographical locality	A14SW (SE)	373	4	272654 203312
	River Quality Name: Tawe GQA Grade: River Quality A Reach: Conf. Upper Clydach-Conf.Nant Cwm Ddu Estimated Distance (km): 2.8 Flow Rate: Flow less than 10 cumecs Flow Type: River Year: 2000	A13NW (NW)	39	4	272253 203543
	River Quality Name: Tawe GQA Grade: River Quality A Reach: Above Trebanos Stw - Conf Upper Clydach Estimated Distance (km): 1.8 Flow Rate: Flow less than 20 cumecs Flow Type: River Year: 2000	A13NW (NW)	39	4	272253 203543
	River Quality Name: Upper Clydach GQA Grade: River Quality B Reach: Conf.Afon Tawe - Conf. A. Egel Estimated Distance (km): 2.9 Flow Rate: Flow less than 1.25 cumecs Flow Type: River Year: 2000	A13NW (NW)	39	4	272253 203543
	River Quality Name: Swansea Canal GQA Grade: River Quality A Reach: Outfall To Tawe - Intake From Tawe Estimated Distance (km): 10.5 Flow Rate: Flow greater than 80 cumecs Flow Type: Canal Year: 2000	A13NW (NW)	335	4	271949 203649

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
56	River Quality Biology Sampling Points Name: Tawe Reach: Above Trebanos Sewage Treatment Works To Confluence Upper Clydach Estimated Distance: 1.80 Positional Accuracy: Located by supplier to within 100m Year: 1990 GQA Grade: River Quality Biology GQA Grade B - Good Year: 1995 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2000 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2002 GQA Grade: River Quality Biology GQA Grade Not Supplied Year: 2003 GQA Grade: River Quality Biology GQA Grade Not Supplied 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 A - Very Good Year: 2008 GQA Grade: River Quality Biology GQA Grade A - Very Good Year: 2009 GQA Grade: River Quality Biology GQA Grade A - Very Good	A13NE (NE)	116	4	272400 203600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
57	River Quality Chemistry Sampling Points Name: Tawe Reach: Confluence Upper Clydach To Confluence Nant Cwm Ddu Estimated Distance: 2.80 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade D - Fair 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 A - Very Good Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade A - Very 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	A13NE (NE)	246	4	272474 203711

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
57	River Quality Chemistry Sampling Points Name: Tawe Reach: Confluence Nant Cwm Ddu To Confluence Afon Twrch Estimated Distance: 4.70 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade B - 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 A - Very Good Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade A - Very 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	A13NE (NE)	246	4	272474 203711

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
58	River Quality Chemistry Sampling Points Name: Upper Clydach Reach: Confluence Afon Tawe To Confluence A. Egel Estimated Distance: 2.90 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade A - Very 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 B - Good Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade B - 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 B - Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade B - 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	A13NE (N)	283	4	272387 203804
59	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 3rd March 2015 Incident Reference: 1317716 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Contaminated Water: Suspended Solids	A19SW (NE)	692	2	272798 204018
60	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 12th October 2001 Incident Reference: 36180 Water Impact: Category 3 - Minor Incident Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Inert : Construction / Demolition Material	A12SW (W)	952	2	271346 203175

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
60	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 7th September 2001 Incident Reference: 29494 Water Impact: Category 4 - No Impact Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Specific Waste Materials: Commercial Waste	A7NW (W)	970	2	271334 203156
61	Water Abstractions Operator: British Waterways Board Licence Number: 22/59/1/0107 Permit Version: 100 Location: Swansea Canal Swansea Valley Authority: Environment Agency, Welsh Region Abstraction: Water Supply Related: Effluent/Slurry Dilution Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Swansea Canal Swansea Valley Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th August 1992 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A18SE (N)	561	4	272430 204080
62	Water Abstractions Operator: Nacap Land & Marine Licence Number: 22/59/1/0129 Permit Version: 1 Location: River Tawe At Pontardawe Authority: Environment Agency, Welsh Region Abstraction: Petrochemicals: Hydraulic Testing Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 6th March 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	808	4	271590 203015
	Water Abstractions Operator: Pontardawe Golf Club Licence Number: 22/59/1/0111 Permit Version: 100 Location: Trib Of The Upper Clydach Authority: Environment Agency, Welsh Region Abstraction: Golf Courses: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Trib Of The Upper Clydach Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1675	4	272060 205190
	Water Abstractions Operator: Pontardawe Golf Club Licence Number: 22/59/1/0111 Permit Version: 101 Location: Trib Of The Upper Clydach Authority: Natural Resources Wales Abstraction: Golf Courses: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 29th August 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1691	2	272090 205210

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Pontardawe Golf Club Licence Number: 22/59/1/0111 Permit Version: Not Supplied Location: Land At Pontardawe Golf Club Authority: Natural Resources Wales Abstraction: Golf Courses: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1691	2	272090 205210
	Water Abstractions Operator: Mr T Jones Licence Number: 22/59/1/0049 Permit Version: 100 Location: Spring In Field No. 229 At Wernddu Isaf Authority: Environment Agency, Welsh Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Spring In Field No. 229 At Wernddu Isaf Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 30th March 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A4SE (SE)	1775	4	273270 201980
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: <40% Superficial: <90% Patchiness: 3-10m Superficial Thickness: High Superficial Recharge:	A13SE (SE)	0	2	272288 203495
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SE (SE)	0	2	272288 203495
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SE (SE)	0	2	272288 203495
	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)	0	2	272276 203514
	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)	2	2	272270 203512
	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 (N)	129	2	272284 203660
	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 (NE)	183	2	272440 203656
	Areas Benefiting from Flood Defences None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flood Water Storage Areas None				
	Flood Defences None				
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 700.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Tawe Catchment Name: Tawe Primacy: 1	A13NW (NW)	35	5	272255 203540
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Upper Clydach River Catchment Name: Tawe Primacy: 1	A13NE (NE)	146	5	272393 203649
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 125.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Tawe Catchment Name: Tawe Primacy: 1	A13NE (NE)	146	5	272393 203649
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Upper Clydach River Catchment Name: Tawe Primacy: 1	A13NE (NE)	163	5	272389 203673
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 218.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Upper Clydach River Catchment Name: Tawe Primacy: 1	A13NE (NE)	165	5	272389 203675
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A13NE (NE)	258	5	272495 203708
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 509.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Tawe Catchment Name: Tawe Primacy: 1	A13NE (NE)	260	5	272487 203717
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A13NE (NE)	260	5	272487 203717

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
71	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 1146.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Swansea Canal Catchment Name: Tawe Primacy: 1	A13NW (NW)	327	5	272027 203735
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 100.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Upper Clydach River Catchment Name: Tawe Primacy: 1	A18SE (N)	328	5	272324 203860
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A18SE (N)	328	5	272324 203860
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A13SW (SW)	387	5	271996 203191
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Upper Clydach River Catchment Name: Tawe Primacy: 1	A18SW (N)	403	5	272258 203933
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 138.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Upper Clydach River Catchment Name: Tawe Primacy: 1	A18SW (N)	404	5	272255 203934
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 227.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant y Llechau Catchment Name: Tawe Primacy: 1	A8NE (S)	407	5	272385 203067
78	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 1234.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Swansea Canal Catchment Name: Tawe Primacy: 1	A18SW (NW)	425	5	272114 203913
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8NE (S)	430	5	272416 203052

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 72.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant y Llechau Catchment Name: Tawe Primacy: 1	A8NE (S)	430	5	272416 203052
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A12SE (SW)	437	5	271947 203167
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 111.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant y Llechau Catchment Name: Tawe Primacy: 1	A8NE (SE)	441	5	272478 203065
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.5 Watercourse Level: Underground Permanent: True Watercourse Name: Upper Clydach River Catchment Name: Tawe Primacy: 1	A18SW (N)	443	5	272122 203936
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8NE (S)	447	5	272420 203036
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 89.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Upper Clydach River Catchment Name: Tawe Primacy: 1	A18SW (N)	448	5	272113 203938
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8NE (S)	456	5	272470 203046
87	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 769.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Tawe Catchment Name: Tawe Primacy: 1	A12SE (SW)	460	5	271918 203164
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8NE (S)	464	5	272425 203019

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 43.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8NE (S)	466	5	272426 203017
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8NE (S)	473	5	272479 203031
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.0 Watercourse Level: Underground Permanent: True Watercourse Name: Nant y Llechau Catchment Name: Tawe Primacy: 1	A8NW (S)	474	5	272220 202990
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant y Llechau Catchment Name: Tawe Primacy: 1	A8NW (S)	481	5	272217 202984
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 88.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8NE (SE)	483	5	272486 203023
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 181.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8NE (SE)	489	5	272563 203055
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 226.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant y Llechau Catchment Name: Tawe Primacy: 1	A8NE (SE)	489	5	272563 203055
96	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.6 Watercourse Level: Underground Permanent: True Watercourse Name: Nant y Llechau Catchment Name: Tawe Primacy: 1	A8NW (S)	492	5	272207 202974
97	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 120.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8NE (S)	499	5	272394 202974

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
98	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 633.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant y Llechau Catchment Name: Tawe Primacy: 1	A8NW (S)	501	5	272133 202982
99	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8NE (S)	503	5	272425 202978
100	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 69.6 Watercourse Level: Underground Permanent: True Watercourse Name: Upper Clydach River Catchment Name: Tawe Primacy: 1	A18SW (NW)	527	5	272058 203998
101	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: Tawe Primacy: 1	A8NE (S)	569	5	272514 202941
102	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 27.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8NE (S)	569	5	272514 202941
103	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 108.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8NE (S)	570	5	272516 202941
104	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 204.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Upper Clydach River Catchment Name: Tawe Primacy: 1	A18SW (NW)	591	5	272049 204066
105	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 183.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A18SW (NW)	603	5	272013 204061
106	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 86.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8NW (SW)	604	5	272041 202907

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
107	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 47.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 2	A8NW (SW)	607	5	271983 202931
108	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 101.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8NW (S)	619	5	272068 202880
109	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 53.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A9NW (SE)	621	5	272772 203055
110	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 53.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant y Llechau Catchment Name: Tawe Primacy: 1	A9NW (SE)	621	5	272772 203055
111	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 77.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8NW (SW)	638	5	271997 202889
112	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8NW (SW)	638	5	271998 202889
113	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 62.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A9NW (SE)	640	5	272635 202923
114	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 174.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A9NW (SE)	661	5	272824 203054
115	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 74.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant y Llechau Catchment Name: Tawe Primacy: 1	A9NW (SE)	661	5	272824 203054

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
116	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 51.1 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A9NW (SE)	662	5	272777 203001
117	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 210.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8SW (S)	664	5	272142 202811
118	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 91.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8SW (S)	664	5	272142 202811
119	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 83.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A7NE (SW)	685	5	271923 202877
120	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 102.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A9NW (SE)	696	5	272643 202863
121	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 142.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A9NW (SE)	696	5	272643 202863
122	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 282.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A9NW (SE)	703	5	272781 202951
123	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 383.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A18NE (N)	707	5	272288 204240
124	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A18NE (N)	707	5	272288 204240

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
125	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 37.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A18NW (N)	714	5	272282 204247
126	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 76.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A9NW (SE)	719	5	272897 203051
127	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant y Llechau Catchment Name: Tawe Primacy: 1	A9NW (SE)	719	5	272897 203051
128	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.4 Watercourse Level: Underground Permanent: True Watercourse Name: Nant y Llechau Catchment Name: Tawe Primacy: 1	A9NW (SE)	724	5	272906 203054
129	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 280.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant y Llechau Catchment Name: Tawe Primacy: 1	A9NW (SE)	728	5	272917 203063
130	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 28.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A18NW (N)	743	5	272256 204275
131	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 119.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8SE (SE)	752	5	272599 202778
132	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 113.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A7NE (SW)	753	5	271845 202847
133	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 45.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A19SW (NE)	765	5	272862 204057

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
134	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 250.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Tawe Catchment Name: Tawe Primacy: 1	A19SW (NE)	765	5	272862 204057
135	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A18NW (N)	765	5	272236 204295
136	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 104.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Upper Clydach River Catchment Name: Tawe Primacy: 1	A17NE (NW)	775	5	271896 204191
137	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 84.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A9NW (SE)	777	5	272801 202870
138	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 42.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A12SW (W)	789	5	271478 203301
139	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 275.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A12SW (W)	789	5	271478 203301
140	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 342.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A19SW (NE)	789	5	272854 204100
141	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 28.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A12SW (W)	791	5	271488 203258
142	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 113.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A12SW (W)	793	5	271495 203232

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
143	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 56.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A18NW (N)	797	5	272219 204326
144	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 34.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A7NE (SW)	807	5	271712 202882
145	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 68.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A9NW (SE)	816	5	272883 202891
146	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 98.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A9NW (SE)	816	5	272883 202891
147	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 313.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A7SE (SW)	821	5	271939 202715
148	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 134.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A9SW (SE)	822	5	272693 202747
149	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 66.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 2	A9SW (SE)	822	5	272694 202747
150	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 5.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A12NW (W)	823	5	271425 203572
151	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 198.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A12NW (W)	823	5	271425 203572

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
152	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 204.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A7NE (SW)	839	5	271706 202844
153	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A18NW (N)	844	5	272182 204368
154	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A18NW (N)	851	5	272173 204374
155	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 53.6 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A7SE (SW)	857	5	271821 202738
156	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 282.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8SE (S)	858	5	272370 202607
157	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 109.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A18NW (N)	859	5	272161 204380
158	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 391.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant y Llechau Catchment Name: Tawe Primacy: 1	A7SE (SW)	862	5	271773 202765
159	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: Tawe Primacy: 1	A7SE (SW)	862	5	271773 202765
160	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A12SW (W)	863	5	271381 203469

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
161	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 72.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Upper Clydach River Catchment Name: Tawe Primacy: 1	A17NE (NW)	865	5	271805 204240
162	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 2	A17NE (NW)	865	5	271805 204240
163	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: Tawe Primacy: 2	A9NE (SE)	868	5	273077 203054
164	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 45.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A9SW (SE)	868	5	272839 202785
165	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 69.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 2	A17NE (NW)	868	5	271805 204243
166	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A12SW (W)	870	5	271376 203443
167	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A7NW (SW)	870	5	271453 203126
168	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 266.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A18NE (N)	871	5	272615 204347
169	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A9SW (SE)	873	5	272880 202810

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
170	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 65.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A19NW (NE)	873	5	272661 204330
171	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 93.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A9NE (SE)	874	5	273073 203035
172	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A9NE (SE)	878	5	273055 202999
173	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 147.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8SW (S)	878	5	272125 202596
174	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.7 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A7NW (SW)	878	5	271463 203089
175	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A7NW (SW)	878	5	271463 203089
176	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 65.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A9SW (SE)	879	5	272751 202714
177	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 98.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A9NE (SE)	883	5	273065 203005
178	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 106.6 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8SW (S)	883	5	272116 202593

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
179	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A7NW (SW)	885	5	271443 203113
180	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 97.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A9NE (SE)	889	5	273059 202984
181	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 66.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A7NW (SW)	893	5	271427 203130
182	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 316.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A12SW (W)	897	5	271378 203258
183	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 93.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A18NE (N)	898	5	272412 204425
184	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 89.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A9NE (SE)	900	5	273053 202956
185	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 40.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A12SW (W)	907	5	271391 203183
186	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 191.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A18NW (N)	908	5	272055 204406
187	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A9NE (SE)	911	5	273047 202931

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
188	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 75.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A9NE (SE)	915	5	273050 202929
189	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 89.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A9NE (SE)	915	5	273050 202929
190	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8SW (S)	919	5	272250 202542
191	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8SW (S)	920	5	272254 202540
192	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 65.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A12SW (W)	922	5	271363 203220
193	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8SW (S)	923	5	272261 202537
194	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8SW (S)	924	5	272262 202537
195	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8SW (S)	925	5	272266 202535
196	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 5.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A7NW (SW)	928	5	271433 203040

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
197	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 2.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Swansea Canal Catchment Name: Tawe Primacy: 1	A7NW (SW)	930	5	271433 203034
198	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 318.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Swansea Canal Catchment Name: Tawe Primacy: 1	A7NW (SW)	932	5	271430 203035
199	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 2	A17NE (NW)	935	5	271769 204299
200	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 100.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A19NW (NE)	936	5	272698 204383
201	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 37.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Upper Clydach River Catchment Name: Tawe Primacy: 1	A17NE (NW)	937	5	271764 204299
202	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 59.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8SE (S)	938	5	272288 202522
203	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 181.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8SW (S)	946	5	272018 202552
204	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 75.7 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8SW (S)	946	5	272018 202552
205	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 114.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant y Llechau Catchment Name: Tawe Primacy: 1	A9NE (SE)	958	5	273182 203059

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
206	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 51.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A9NE (SE)	958	5	273182 203059
207	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 69.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A18NE (N)	962	5	272354 204494
208	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 471.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A9NE (SE)	972	5	273172 203010
209	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 95.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A17NE (NW)	973	5	271752 204333
210	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 105.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Upper Clydach River Catchment Name: Tawe Primacy: 1	A17NE (NW)	974	5	271749 204332
211	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 142.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A11SE (W)	981	5	271264 203493
212	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A11SE (W)	981	5	271264 203493
213	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8SE (S)	982	5	272462 202495
214	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 148.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8SE (S)	985	5	272465 202492

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
215	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A17NW (NW)	993	5	271562 204210
216	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 100.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A3NE (S)	994	5	272308 204266
217	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 185.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A17NE (NW)	997	5	271624 204269
218	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 177.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Tawe Catchment Name: Tawe Primacy: 1	A19NE (NE)	998	5	272988 204260
219	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 105.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Gelli-nedd Catchment Name: Tawe Primacy: 1	A19NE (NE)	998	5	272988 204260
220	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 66.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8SE (S)	999	5	272572 202504

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
221	Historical Landfill Sites Licence Holder: W H Edwards Location: Trebanos Name: Danygraig House Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD13879 First Input Date: 23rd March 1984 Last Input Date: 30th June 1986 Specified Waste: Deposited Waste included Inert, Industrial and Household Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 6930/0004 BGS Ref: Not Supplied Other Ref: 1/84	A12NE (W)	420	2	271825 203500
	Local Authority Landfill Coverage Name: Neath Port Talbot County Borough Council - Has supplied landfill data		0	3	272288 203495
222	Potentially Infilled Land (Non-Water) Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A13SE (SE)	0	8	272288 203495
223	Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A14SW (E)	329	8	272637 203382
224	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A13SW (SW)	346	8	272094 203169
225	Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A14NW (E)	463	8	272780 203591
226	Potentially Infilled Land (Non-Water) Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A9NW (SE)	531	8	272647 203062
227	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A7NE (SW)	541	8	271896 203074
228	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A12SE (W)	622	8	271636 203362
229	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A19SE (NE)	984	8	273168 204013
230	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A13NW (NW)	46	8	272252 203551
231	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13SE (SE)	76	8	272381 203433
232	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A13NW (NW)	159	8	272150 203616
233	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A13SE (E)	186	8	272507 203449
234	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13SW (S)	196	8	272255 203266

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
235	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1942	A13NE (N)	264	8	272397 203780
236	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13SW (SW)	273	8	271998 203373
237	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A13NE (NE)	314	8	272512 203769
238	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1942	A18SE (N)	322	8	272330 203854
239	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13NW (NW)	329	8	271989 203696
240	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13SE (SE)	332	8	272503 203203
241	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13NW (NW)	348	8	271970 203702
242	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A12SE (SW)	355	8	271933 203319
243	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A13SE (SE)	370	8	272510 203162
244	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1942	A13NW (NW)	401	8	272008 203813
245	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A12SE (SW)	420	8	271868 203303
246	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A18SE (NE)	435	8	272592 203859
247	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A12NE (W)	440	8	271805 203510
248	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A12SE (SW)	503	8	271817 203225
249	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A8NE (S)	505	8	272349 202960
250	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A18SW (NW)	509	8	272058 203978
251	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A18SE (N)	560	8	272468 204069
252	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A9NW (SE)	569	8	272720 203077
253	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A18SW (N)	625	8	272111 204127
254	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A8NW (S)	626	8	272075 202869
255	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A18SE (NE)	645	8	272574 204120

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
256	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A14NE (E)	659	8	272986 203500
257	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A18SE (NE)	673	8	272587 204144
258	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A19SW (NE)	677	8	272647 204117
259	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1942	A12SW (SW)	704	8	271602 203203
260	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A18NW (N)	717	8	272275 204249
261	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A17SE (NW)	725	8	271759 204027
262	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A18NE (N)	753	8	272304 204286
263	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18NW (N)	769	8	272239 204299
264	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A18NE (N)	769	8	272358 204300
265	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A8SW (S)	785	8	272059 202707
266	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1942	A12NW (W)	796	8	271453 203578
267	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18NW (N)	828	8	272100 204335
268	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A19SW (NE)	833	8	272904 204112
269	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18NE (N)	840	8	272344 204373
270	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1942	A12NW (W)	840	8	271419 203645
271	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A18NW (N)	850	8	272061 204348
272	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18NE (N)	852	8	272415 204378
273	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A19SW (NE)	868	8	272908 204157
274	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A14SE (E)	881	8	273199 203368
275	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A12NW (W)	885	8	271360 203509
276	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A19SW (NE)	896	8	272935 204169

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
277	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A19NW (NE)	909	8	272916 204205
278	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A17NE (NW)	916	8	271850 204327
279	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A12SW (W)	924	8	271340 203298
280	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A17NE (NW)	933	8	271827 204334
281	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A18NW (N)	944	8	271999 204426
282	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A17NE (NW)	956	8	271818 204356
283	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A9SW (SE)	962	8	272854 202680
284	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A14SE (E)	968	8	273285 203352
285	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A9SW (SE)	970	8	272840 202661
286	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A17NE (N)	991	8	271916 204445
287	Registered Landfill Sites Licence Holder: W H J Edwards Licence Reference: 1/84 Site Location: Danyraig House, Trebanos, Pontardawe, Swansea, West Glamorgan Licence Easting: 271800 Licence Northing: 203500 Operator Location: 5 Francis Street, Pontardawe, West Glamorgan Authority: Environment Agency Wales, South West Area Site Category: Landfill Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st February 1984 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the road within the address or location Boundary Accuracy: Not Applicable Authorised Waste: Hardcore And Rubble Inert Waste Prohibited Waste: Animal Or Fish Waste Biodegradable/Putrescible Waste Carcasses And Flesh Corrosive Material Explosive Waste Highly Flammable Material Toxic/Poisonous Wastes	A12NE (W)	345	4	271900 203500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: South Wales Upper Coal Measures Formation	A13SE (SE)	0	1	272288 203495
	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 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SE (SE)	0	1	272288 203495
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13NE (N)	0	1	272288 203500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13NW (W)	2	1	272254 203500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13NW (NW)	3	1	272271 203515
	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 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SE (S)	27	1	272307 203440
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (N)	44	1	272273 203571

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 15 - 25 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NE (NE)	82	1	272364 203590
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NW (N)	120	1	272241 203636
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A13NE (E)	121	1	272447 203500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NW (W)	146	1	272099 203500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium 3.0 - 6.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A13SE (E)	174	1	272500 203495
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium 3.0 - 6.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A13NE (E)	179	1	272500 203539

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 25 - 35 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SW (SW)	204	1	272141 203312
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 3.0 - 6.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NE (NE)	209	1	272500 203620
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium 3.0 - 6.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NE (NE)	248	1	272500 203686
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A13SW (W)	263	1	272000 203392
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A12NE (NW)	350	1	271935 203652
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A13SW (SW)	401	1	272000 203170

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 35 - 45 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18SW (NW)	432	1	272013 203855
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A12NE (NW)	442	1	271922 203791
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A12NE (NW)	445	1	271909 203782
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A12NE (NW)	543	1	271770 203755
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18SW (NW)	558	1	272000 204000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18SW (N)	582	1	272125 204087

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: 25 - 35 mg/kg Concentration: Cadmium: 1.8 - 2.2 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A7NE (SW)	615	1	271869 203000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: 2.2 - 3.0 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A18SW (NW)	617	1	272000 204069
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 25 - 35 mg/kg Concentration: Cadmium: 2.2 - 3.0 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A18SW (NW)	621	1	271982 204063
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 25 - 35 mg/kg Concentration: Cadmium: 2.2 - 3.0 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A17SE (NW)	626	1	271883 204000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 35 - 45 mg/kg Concentration: Cadmium: 2.2 - 3.0 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A18SW (NW)	632	1	271996 204084
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 35 - 45 mg/kg Concentration: Cadmium: 2.2 - 3.0 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A18SW (NW)	635	1	272000 204090

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 15 - 25 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SW (NW)	639	1	272000 204095
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 30 - 45 mg/kg Concentration:	A17SE (NW)	649	1	271845 204000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A14SE (E)	674	1	273000 203495
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NW (SE)	683	1	272651 202882
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SW (NE)	713	1	272843 204000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 30 - 45 mg/kg Concentration:	A17SE (NW)	732	1	271721 204000

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 35 - 45 mg/kg Concentration: Cadmium 3.0 - 6.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NW (SE)	738	1	272880 203000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A12SW (W)	745	1	271500 203495
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NE (SE)	800	1	273000 203058
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A7SE (SW)	802	1	271827 202800
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NW (SW)	836	1	271500 203109
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SE (NE)	836	1	273000 204000

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 35 - 45 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A19SE (NE)	848	1	273014 204000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NW (SW)	891	1	271462 203063
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NW (SW)	891	1	271500 203000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NW (SW)	952	1	271428 203000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19NE (NE)	955	1	273000 204187
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8SE (S)	985	1	272500 202500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
288	BGS Recorded Mineral Sites Site Name: Craig-Glyn-Meirch Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151640 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	206	1	272153 203299
289	BGS Recorded Mineral Sites Site Name: Alltwn-Isaf Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151638 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	343	1	272097 203171
290	BGS Recorded Mineral Sites Site Name: Alltwn Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151646 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14SW (E)	402	1	272718 203398
291	BGS Recorded Mineral Sites Site Name: Alltwn Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151642 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14NW (E)	522	1	272840 203590
292	BGS Recorded Mineral Sites Site Name: Alltwn-Isaf Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151639 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	529	1	271896 203090
293	BGS Recorded Mineral Sites Site Name: Alltwn Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151645 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	532	1	272650 203063

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
294	BGS Recorded Mineral Sites Site Name: Glyn-Meirch Wood Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151597 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	559	1	271871 203905
295	BGS Recorded Mineral Sites Site Name: Craig-Glyn-Meirch Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151641 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A12SE (W)	567	1	271702 203325
296	BGS Recorded Mineral Sites Site Name: Craig-Glyn-Meirch Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151637 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12NE (W)	576	1	271673 203561
297	BGS Recorded Mineral Sites Site Name: Craig-Glyn-Meirch Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151636 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12SW (W)	708	1	271550 203352
298	BGS Recorded Mineral Sites Site Name: Glyn-Meirch Wood Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151596 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	719	1	271723 203983
299	BGS Recorded Mineral Sites Site Name: Alltwen Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151643 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14SE (E)	723	1	273046 203421

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
300	BGS Recorded Mineral Sites Site Name: Craig-Glyn-Meirch Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151665 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12SW (W)	772	1	271515 203237
301	BGS Recorded Mineral Sites Site Name: Alltwen Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151644 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14SE (E)	778	1	273092 203351
302	BGS Recorded Mineral Sites Site Name: Alltwen Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151664 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14NE (E)	804	1	273111 203673
303	BGS Recorded Mineral Sites Site Name: Glyn-Meirch Wood Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151632 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	940	1	271550 204122
304	BGS Recorded Mineral Sites Site Name: Ty'N-Y-Graig Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151595 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	981	1	273169 204005
305	BGS Recorded Mineral Sites Site Name: Pen-Yr-Allt-Wen Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151647 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A9NE (SE)	997	1	273231 203070

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13SE (SE)	0	6	272288 203495
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SE (SE)	0	-	272288 203495
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	272288 203495
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	2	1	272271 203515
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	272288 203495
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	2	1	272271 203515
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	120	1	272241 203636
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	244	1	272010 203423
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	272288 203495
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	272288 203495
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	27	1	272307 203440
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	84	1	272360 203597
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	204	1	272141 203312
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	232	1	272487 203677
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	272288 203495
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	2	1	272271 203515
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	27	1	272307 203440
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	120	1	272241 203636

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	272288 203495
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	2	1	272271 203515
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	120	1	272241 203636
	Radon Potential - Radon Affected Areas Affected Area: The property is an Intermediate probability radon area (3 to 5% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	272288 203495
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	272273 203501
	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	A13SE (SE)	0	1	272288 203495
	Radon Potential - Radon Protection Measures Protection Measure: No 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	272273 203501

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
306	Contemporary Trade Directory Entries Name: Economic Packaging Ltd Location: Ynysderw Road, Pontardawe, Swansea, SA8 4EH Classification: Steel Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	188	-	272193 203685
307	Contemporary Trade Directory Entries Name: Tesco Petrol Station Location: Gwyn'S Driveift, Pontardawe, Swansea, West Glamorgan, SA8 3AZ Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	219	-	272075 203350
308	Contemporary Trade Directory Entries Name: Sabre Location: 33, Alltwn Hill, Pontardawe, Swansea, SA8 3AB Classification: Domestic Appliances - Servicing, Repairs & Parts Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (E)	287	-	272613 203511
309	Contemporary Trade Directory Entries Name: Canning Brett Location: Alloy Industrial Estate, Pontardawe, Swansea, SA8 4EP Classification: Steel Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	352	-	272521 203811
310	Contemporary Trade Directory Entries Name: My Perfume Location: Tyn Y Cae, Pontardawe, Swansea, West Glamorgan, SA8 3DJ Classification: Perfume Suppliers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A13SE (SE)	377	-	272532 203168
311	Contemporary Trade Directory Entries Name: Alltwn Domestic Repairs Location: 164, Tyn y Cae, Pontardawe, Swansea, West Glamorgan, SA8 3DN Classification: Domestic Appliances - Servicing, Repairs & Parts Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	400	-	272405 203080
312	Contemporary Trade Directory Entries Name: Tudor Hall Garage Location: Works Road, Pontardawe, Swansea, SA8 4AF Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (NW)	427	-	272014 203849
312	Contemporary Trade Directory Entries Name: Pontardawe Tyre Service Location: Works Road, Pontardawe, Swansea, West Glamorgan, SA8 4AF Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (NW)	436	-	272029 203871
313	Contemporary Trade Directory Entries Name: First Cymru Co Ltd Location: Tawe Terrace, Pontardawe, Swansea, West Glamorgan, SA8 4HA Classification: Bus & Coach Operators & Stations Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (N)	460	-	272448 203970
314	Contemporary Trade Directory Entries Name: R J & M T Usher Location: Herbert St, Pontardawe, Swansea, West Glamorgan, SA8 4EB Classification: Cabinet Makers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18SW (N)	464	-	272212 203988
314	Contemporary Trade Directory Entries Name: Tower House Launderette Location: 26, Herbert Street, Pontardawe, Swansea, SA8 4EB Classification: Ironing & Home Laundry Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	480	-	272181 203997
315	Contemporary Trade Directory Entries Name: Linde Refrigeration Location: Tawe House, Alloy Industrial Estate, Pontardawe, SA8 4EN Classification: Air Conditioning & Refrigeration Contractors Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (NE)	478	-	272591 203916

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
315	Contemporary Trade Directory Entries Name: M & L Upholstery Location: Unit F, Lon Hir Ind Est, Lon Hir, Alltwn/Pontardawe, Swansea, West Glamorgan, SA8 3DE Classification: Upholstery Manufacturers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A19SW (NE)	496	-	272625 203912
316	Contemporary Trade Directory Entries Name: Plaztec Windows Location: Tawe Terrace, Pontardawe, Swansea, West Glamorgan, SA8 4HA Classification: PVC-U Products - Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	488	-	272394 204013
317	Contemporary Trade Directory Entries Name: Trojan Plant Hire Location: Nant Arian, Derwen Road, Pontardawe, Swansea, SA8 3AY Classification: Builders' Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (S)	488	-	272133 202996
318	Contemporary Trade Directory Entries Name: Group 4 Engineering Location: Alloy Industrial Estate, Pontardawe, Swansea, SA8 4EN Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (NE)	497	-	272545 203968
319	Contemporary Trade Directory Entries Name: Grafix Products Ltd Location: 5, Herbert Street, Pontardawe, Swansea, SA8 4EB Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	501	-	272104 203992
320	Contemporary Trade Directory Entries Name: Avenue Self Serve Location: Swansea Road, Pontardawe, Swansea, SA8 4AL Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	510	-	271737 203443
321	Contemporary Trade Directory Entries Name: Twfoam Location: Alloy Industrial Estate, Pontardawe, Swansea, SA8 4EN Classification: Foam Products - Rubber & Plastics Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (NE)	533	-	272528 204017
321	Contemporary Trade Directory Entries Name: A S Gunter Location: Unit 7/8, Alloy Court, Pontardawe Industrial Estate, Pontardawe, Swansea, SA8 4HR Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (NE)	547	-	272539 204027
321	Contemporary Trade Directory Entries Name: Dawn Pontardawe Location: Unit 7, Alloy Court Business Centre, Alloy Industrial Estate, Pontardawe, Swansea, West Glamorgan, SA8 4EN Classification: Meat Product Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (NE)	547	-	272539 204027
321	Contemporary Trade Directory Entries Name: Swansea Valley M O T Centre Location: Unit 7-8, Alloy Court, Pontardawe Industrial Estate, Pontardawe, Swansea, West Glamorgan, SA8 4HR Classification: Mot Testing Centres Status: Active Positional Accuracy: Manually positioned to the address or location	A18SE (NE)	547	-	272539 204027
321	Contemporary Trade Directory Entries Name: Quality Auto Finishes Location: Unit 6, Alloy Court, Pontardawe Industrial Estate, Pontardawe, Swansea, SA8 4HR Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (NE)	551	-	272552 204025

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
321	Contemporary Trade Directory Entries Name: P E Controls Ltd Location: Unit 2B, Alloy Court Business Centre, Alloy Ind Est, Pontardawe, Swansea, West Glamorgan, SA8 4EN Classification: Control Panels Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A18SE (NE)	555	-	272569 204021
321	Contemporary Trade Directory Entries Name: Tc Tuning Location: Unit 6, Alloy Court, Pontardawe Industrial Estate, Pontardawe, Swansea, SA8 4HR Classification: Electrical goods - servicing & repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (NE)	555	-	272550 204032
321	Contemporary Trade Directory Entries Name: Turner Bros Location: Pontardawe, SA8 4HR Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (NE)	565	-	272563 204035
321	Contemporary Trade Directory Entries Name: Valley Radiators Location: Unit 3-5, Alloy Court, Pontardawe Industrial Estate, Pontardawe, Swansea, SA8 4HR Classification: Car Radiator Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (NE)	572	-	272569 204040
321	Contemporary Trade Directory Entries Name: Easycaddy Location: Unit 3, Alloy Court Business Centre, Alloy Industrial Estate, Pontardawe, Swansea, West Glamorgan, SA8 4EN Classification: Sports Equipment Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (NE)	576	-	272566 204047
322	Contemporary Trade Directory Entries Name: Pontardawe Chiropractic Clinic Location: 2, Penygraig Road, Pontardawe, Swansea, SA8 3BS Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (E)	546	-	272840 203303
323	Contemporary Trade Directory Entries Name: Pontardawe Refrigeration Plant Ltd Location: Darren House, Alloy Industrial Estate, Pontardawe, Swansea, SA8 4EN Classification: Refrigeration Equipment Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	553	-	272639 203974
323	Contemporary Trade Directory Entries Name: Gms Location: Unit 1, Alloy Court, Pontardawe Industrial Estate, Pontardawe, Swansea, SA8 4HR Classification: Motor Cycle Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (NE)	559	-	272606 204003
324	Contemporary Trade Directory Entries Name: Windowline Location: 2, High Street, Pontardawe, Swansea, SA8 4HU Classification: Blinds, Awnings & Canopies Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	562	-	272071 204044
324	Contemporary Trade Directory Entries Name: West Wales Gun Co Location: 6, James Street, Pontardawe, Swansea, SA8 4LR Classification: Gunsmiths Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	574	-	272048 204046
325	Contemporary Trade Directory Entries Name: D C Autos Location: Rear Workshop, High Street, Pontardawe, Swansea, SA8 4HU Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	566	-	272214 204092

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
325	Contemporary Trade Directory Entries Name: The Clothes Clinic Location: Unit 3, High Street, Pontardawe, Swansea, SA8 4HU Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	579	-	272175 204097
325	Contemporary Trade Directory Entries Name: Pontardawe Car Sales Location: High Street, Pontardawe, Swansea, West Glamorgan, SA8 4HU Classification: Car Dealers - Used Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	590	-	272197 204113
325	Contemporary Trade Directory Entries Name: Pontardawe Service Station Location: Pontardawe Garage, High Street, Pontardawe, Swansea, SA8 4HU Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	603	-	272191 204125
325	Contemporary Trade Directory Entries Name: Kingfisher Blinds & Canopies Location: 20, High Street, Pontardawe, Swansea, SA8 4HU Classification: Blinds, Awnings & Canopies Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	608	-	272141 204119
326	Contemporary Trade Directory Entries Name: Pontardawe Foundry & Engineering Co Ltd Location: Holly Street, Pontardawe, Swansea, SA8 4ET Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	580	-	272470 204089
327	Contemporary Trade Directory Entries Name: Contract Deliveries Location: Alloy Ind Est, Pontardawe, Swansea, West Glamorgan, SA8 4EN Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A18SE (NE)	581	-	272613 204026
327	Contemporary Trade Directory Entries Name: Contract Deliveries Location: Alloy Ind Est, Pontardawe, Swansea, West Glamorgan, SA8 4EN Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A18SE (NE)	581	-	272613 204026
327	Contemporary Trade Directory Entries Name: East End Accident Repair Centre Location: Unit 2 Alloy Industrial Estate, Swansea, West Glamorgan, SA8 4EN Classification: Car Body Repairs Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A19SW (NE)	611	-	272637 204046
327	Contemporary Trade Directory Entries Name: Lliw Building Supplies Ltd Location: Lliw Building Supplies Ltd, Alloy Industrial Estate, Pontardawe, SA8 4EN Classification: Builders' Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A19SW (NE)	611	-	272637 204046
328	Contemporary Trade Directory Entries Name: Celtic Electrical S Y S Ltd Location: Unit 2a, Ema Evans Business Centre, Alloy Industrial Estate, Pontardawe, Swansea, SA8 4EN Classification: Control Panels Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	604	-	272698 203991
328	Contemporary Trade Directory Entries Name: Horses & Hamsters Auto'S Location: Unit 2a, Ema Evans Business Centre, Alloy Industrial Estate, Pontardawe, Swansea, SA8 4EN Classification: Car Breakdown & Recovery Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	604	-	272698 203991

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
328	Contemporary Trade Directory Entries Name: Brother Engineering Ltd Location: Alloy Industrial Estate, Pontardawe, Swansea, West Glamorgan, SA8 4EN Classification: Engineering Machine Services Status: Active Positional Accuracy: Manually positioned within the geographical locality	A19SW (NE)	605	-	272690 203999
328	Contemporary Trade Directory Entries Name: Fabacraft Ltd Location: Unit 2, Alloy Court Business Centre, Alloy Industrial Estate, Pontardawe, Swansea, West Glamorgan, SA8 4EN Classification: Lamination & Encapsulation Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	615	-	272690 204012
328	Contemporary Trade Directory Entries Name: Fabricater Ltd Location: Unit 5, Alloy Court Business Centre, Alloy Industrial Estate, Pontardawe, Swansea, SA8 4EN Classification: Steel Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	615	-	272690 204012
328	Contemporary Trade Directory Entries Name: A & M Transport Location: Unit 1, Alloy Court Business Centre, Alloy Industrial Estate, Pontardawe, Swansea, SA8 4EN Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	615	-	272690 204012
328	Contemporary Trade Directory Entries Name: Solar Roof Control Location: Unit 2, Alloy Court Business Centre, Alloy Industrial Estate, Pontardawe, Swansea, West Glamorgan, SA8 4EN Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	615	-	272690 204012
328	Contemporary Trade Directory Entries Name: A & M Logistics Ltd Location: Unit 1, Alloy Court Business Centre, Alloy Industrial Estate, Pontardawe, Swansea, West Glamorgan, SA8 4EN Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	615	-	272690 204012
328	Contemporary Trade Directory Entries Name: Pontardawe Refrigeration Location: Alloy Ind Est, Pontardawe, Swansea, West Glamorgan, SA8 4EN Classification: Refrigeration Equipment - Commercial Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A19SW (NE)	648	-	272721 204030
329	Contemporary Trade Directory Entries Name: Tool Support Location: Rear Of Western Garage, Swansea Road, Pontardawe, Swansea, West Glamorgan, SA8 4AL Classification: Tool Sharpening, Repairing & Servicing Status: Active Positional Accuracy: Manually positioned within the geographical locality	A12SE (W)	629	-	271629 203362
330	Contemporary Trade Directory Entries Name: Trademate Window & Door Systems Location: Unit 9, Cwmtawe Business Park, Alloy Industrial Estate, Pontardawe, Swansea, SA8 4EZ Classification: PVC-U Products - Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	647	-	272628 204094
330	Contemporary Trade Directory Entries Name: Heat Pump Services Ltd Location: Unit 3, Cwmtawe Business Park, Alloy Industrial Estate, Pontardawe, Swansea, SA8 4EZ Classification: Refrigerators & Freezers - Servicing & Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (NE)	658	-	272602 204120

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
330	Contemporary Trade Directory Entries Name: Living Stone Cmt Location: Unit 5, Cwmtawe Business Park, Alloy Industrial Estate, Pontardawe, Swansea, SA8 4EZ Classification: Laboratories Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (NE)	679	-	272612 204139
330	Contemporary Trade Directory Entries Name: Itt Flygt Ltd Location: Alloy Indust Est, Pontardawe, Swansea, West Glamorgan, SA8 4EN Classification: Pumps - Sales, Servicing & Repairs Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18SE (NE)	688	-	272580 204164
330	Contemporary Trade Directory Entries Name: Westward Energy Services Location: Energy House, Alloy Industrial Estate, Pontardawe, SWANSEA, SA8 4EN Classification: Boilers - Servicing, Replacements & Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (NE)	689	-	272580 204164
331	Contemporary Trade Directory Entries Name: South Wales Electrical Repairs Location: Unit 24 Abernant Business Enterprise, Pontardawe, Swansea, West Glamorgan, SA8 4TA Classification: Electrical Engineers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A18NW (N)	665	-	272160 204182
332	Contemporary Trade Directory Entries Name: Wall Colmonoy Ltd Location: Alloy Industrial Estate, Pontardawe, Swansea, SA8 4HL Classification: Engineers - General Status: Active Positional Accuracy: Automatically positioned to the address	A19NW (NE)	772	-	272719 204184
333	Contemporary Trade Directory Entries Name: Clearway Cleaning Location: 39a, Ynys y Mond Road, Pontardawe, Swansea, SA8 3BA Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	823	-	272001 202687
334	Contemporary Trade Directory Entries Name: B A W Precision Engineering Ltd Location: Alloy Industrial Estate, Pontardawe, Swansea, SA8 4EZ Classification: Precision Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A19NW (NE)	826	-	272657 204280
335	Contemporary Trade Directory Entries Name: Hour Glass & Glazing Location: Unit 23 Abernant, Pontardawe, Swansea, West Glamorgan, SA8 4LF Classification: Glass Products - Manufacturers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A17NE (NW)	931	-	271913 204378
336	Contemporary Trade Directory Entries Name: Furniture Medic Location: Pen-Yr-Alltwn, Pontardawe, Swansea, West Glamorgan, SA8 3EA Classification: Furniture - Repairing & Restoring Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A14SE (E)	957	-	273272 203344
337	Contemporary Trade Directory Entries Name: Kleenix Location: 25, Bronywawr, Pontardawe, Swansea, SA8 4JY Classification: Janitorial Equipment - Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A23SW (N)	982	-	272235 204513
338	Fuel Station Entries Name: Tesco Pontardawe Location: Gwyns Dryft, Pontardawe, Neath, Neath Port Talbot, SA8 3AZ Brand: Tesco Premises Type: Hypermarket Status: Open Positional Accuracy: Manually positioned to the address or location	A13NE (NE)	81	-	272380 203568

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
339	Fuel Station Entries Name: Avenue Garage Location: Swansea Road , Pontardawe , Neath, Neath Port Talbot, SA8 4AL Brand: Unbranded Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address	A12SE (W)	510	-	271737 203443
339	Fuel Station Entries Name: Western Garage Location: Swansea Road , Pontardawe , Swansea, Neath Port Talbot, SA8 4AL Brand: Uk Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address	A12SE (W)	510	-	271737 203443
340	Fuel Station Entries Name: Pontardawe Service Station Location: High Street , Pontardawe , Neath, Neath Port Talbot, SA8 4HU Brand: Unbranded Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address	A18SW (N)	572	-	272227 204100
340	Fuel Station Entries Name: Gelligron Garage Location: Gelligron Road , Pontardawe , Neath, Neath Port Talbot, SA8 4NR Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Manually positioned to the address or location	A18SW (N)	590	-	272196 204113
341	Points of Interest - Commercial Services Name: Car Wash Location: Gwyns Dryft, Pontadawe, Neath, West Glamorgan, SA8 4PZ Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A13NE (NE)	81	7	272380 203568
341	Points of Interest - Commercial Services Name: Tesco Pontardawe Location: Gwyns Dryft, Pontadawe, Neath, SA8 Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A13NE (NE)	90	7	272389 203571
342	Points of Interest - Commercial Services Name: Tudor Hall Garage Location: Works Road, Pontardawe, Swansea, SA8 4AF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SW (NW)	431	7	272006 203848
342	Points of Interest - Commercial Services Name: Tudor Hall Garage Location: Works Road, Pontardawe, Swansea, SA8 4AF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SW (NW)	431	7	272006 203848
343	Points of Interest - Commercial Services Name: Westend Car Wash Location: Swansea Road, Pontardawe, Swansea, SA8 4AL Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A12SE (W)	510	7	271737 203443
344	Points of Interest - Commercial Services Name: Swansea Valley M O T Centre Location: Unit 9 Alloy Court, Pontardawe Industrial Estate, Pontardawe, Swansea, SA8 4HR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (NE)	527	7	272530 204009
344	Points of Interest - Commercial Services Name: Swansea Valley M O T Centre Location: Unit 7/8 Alloy Court, Pontardawe Industrial Estate, Pontardawe, Swansea, SA8 4HR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (NE)	547	7	272539 204027

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
344	Points of Interest - Commercial Services Name: Swansea Valley M O T Centre Location: Unit 7-8 Alloy Court, Pontardawe Industrial Estate, Pontardawe, Swansea, SA8 4HR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (NE)	547	7	272539 204027
344	Points of Interest - Commercial Services Name: Quality Auto Finishes Location: Unit 6 Alloy Court, Pontardawe Industrial Estate, Pontardawe, Swansea, SA8 4HR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (NE)	555	7	272550 204032
344	Points of Interest - Commercial Services Name: Quality Auto Finishes Location: Unit 6 Alloy Court, Pontardawe Industrial Estate, Pontardawe, Swansea, SA8 4HR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (NE)	555	7	272549 204031
344	Points of Interest - Commercial Services Name: Gms Location: Unit 1 Alloy Court, Pontardawe Industrial Estate, Pontardawe, Swansea, SA8 4HR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (NE)	559	7	272606 204003
344	Points of Interest - Commercial Services Name: Glamorgan Motorcycle Services Location: Unit 1 Alloy Court, Pontardawe Industrial Estate, Pontardawe, Swansea, SA8 4HR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (NE)	559	7	272606 204003
344	Points of Interest - Commercial Services Name: Valley Radiators Location: Unit 3-5 Alloy Court, Pontardawe Industrial Estate, Pontardawe, Swansea, SA8 4HR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (NE)	572	7	272569 204040
344	Points of Interest - Commercial Services Name: Turner Bros Location: Unit 3-5 Alloy Court, Pontardawe Industrial Estate, Pontardawe, Swansea, SA8 4HR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (NE)	575	7	272565 204046
344	Points of Interest - Commercial Services Name: Turner Bros Location: Unit 3/5 Alloy Court, Pontardawe Industrial Estate, Pontardawe, Swansea, SA8 4HR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (NE)	576	7	272566 204047
344	Points of Interest - Commercial Services Name: A & M Transport Ltd Location: Unit 3-4 Alloy Court Business Centre, Alloy Industrial Estate, Pontardawe, Swansea, SA8 4EN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (NE)	576	7	272566 204047
345	Points of Interest - Commercial Services Name: D C Autos Location: Rear Workshop, High Street, Pontardawe, Swansea, SA8 4HU Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SW (N)	571	7	272214 204097

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
345	Points of Interest - Commercial Services Name: D C Location: High Street, Pontardawe, Swansea, SA8 4HU Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SW (N)	590	7	272197 204113
346	Points of Interest - Commercial Services Name: A & M Transport Location: Unit 1 Alloy Court Business Centre, Alloy Industrial Estate, Pontardawe, Swansea, SA8 4EN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19SW (NE)	615	7	272690 204012
346	Points of Interest - Commercial Services Name: A & M South Wales Ltd Location: Unit 1 Alloy Court Business Centre, Alloy Industrial Estate, Pontardawe, Swansea, SA8 4EN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19SW (NE)	615	7	272690 204012
346	Points of Interest - Commercial Services Name: A & M Garages Location: Unit 1-2 Alloy Court Business Centre, Alloy Industrial Estate, Pontardawe, Swansea, SA8 4EN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19SW (NE)	615	7	272690 204012
347	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NW (NW)	186	7	272179 203671
348	Points of Interest - Manufacturing and Production Name: B T G Services Ltd Location: 60 Gwyn Street, Pontardawe, Swansea, SA8 3AN Category: Extractive Industries Class Code: Stone Quarrying and Preparation Positional Accuracy: Positioned to address or location	A8NE (S)	339	7	272315 203123
349	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18SE (N)	482	7	272392 204007
349	Points of Interest - Manufacturing and Production Name: Works Location: SA8 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18SE (N)	482	7	272392 204007
350	Points of Interest - Manufacturing and Production Name: Business Centre Location: SA8 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A19SW (NE)	598	7	272694 203987
351	Points of Interest - Manufacturing and Production Name: Business Park Location: SA8 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A18SE (NE)	646	7	272606 204105
351	Points of Interest - Manufacturing and Production Name: Industrial Estate Location: SA8 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A18SE (NE)	686	7	272620 204142

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
351	Points of Interest - Manufacturing and Production Name: Industrial Estate Location: SA8 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A19SW (NE)	692	7	272633 204142
351	Points of Interest - Manufacturing and Production Name: Tank Location: SA8 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18NE (NE)	736	7	272608 204204
352	Points of Interest - Manufacturing and Production Name: Factory Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	700	7	272044 204183
352	Points of Interest - Manufacturing and Production Name: Factory Location: SA8 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A18NW (N)	708	7	272038 204189
353	Points of Interest - Manufacturing and Production Name: Quarry (Disused) Location: SA8 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	707	7	273033 203503
353	Points of Interest - Manufacturing and Production Name: Quarry (Disused) Location: SA8 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A14NE (E)	731	7	273056 203535
354	Points of Interest - Manufacturing and Production Name: Quarry (Disused) Location: SA8 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	752	7	273067 203357
354	Points of Interest - Manufacturing and Production Name: Quarry (Disused) Location: SA8 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	772	7	273088 203361
355	Points of Interest - Manufacturing and Production Name: Quarry (Disused) Location: SA8 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	761	7	273068 203669
355	Points of Interest - Manufacturing and Production Name: Quarry (Disused) Location: SA8 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A14NE (E)	799	7	273111 203647
356	Points of Interest - Manufacturing and Production Name: Tank Location: SA8 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A8SE (S)	861	7	272348 202602
356	Points of Interest - Manufacturing and Production Name: Tank Location: SA8 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A8SE (S)	862	7	272346 202601

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
356	Points of Interest - Manufacturing and Production Name: Tanks Location: SA8 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	867	7	272349 202596
357	Points of Interest - Manufacturing and Production Name: Quarry (Disused) Location: SA8 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	947	7	273185 203089
357	Points of Interest - Manufacturing and Production Name: Quarry (Disused) Location: SA8 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A9NE (SE)	987	7	273224 203078
358	Points of Interest - Manufacturing and Production Name: N Roderick Location: Greenacres, Wernddu Road, Pontardawe, Swansea, SA8 3HY Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A8SW (S)	992	7	272065 202492
359	Points of Interest - Public Infrastructure Name: Tesco Petrol Station Location: Tescos Petrol Filling Station, Pontardawe, SA8 3AZ Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13NE (NE)	66	7	272370 203556
359	Points of Interest - Public Infrastructure Name: Tesco Pontardawe Location: Gwyns Dryft, Pontadawe, Neath, SA8 Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13NE (NE)	81	7	272380 203568
360	Points of Interest - Public Infrastructure Name: Weir Location: SA8 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A18SW (N)	433	7	272117 203923
360	Points of Interest - Public Infrastructure Name: Weir Location: SA8 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A18SW (N)	434	7	272116 203924
361	Points of Interest - Public Infrastructure Name: First Cymru Co Ltd Location: Tawe Terrace, Pontardawe, Swansea, SA8 4HA Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to address or location	A18SE (N)	460	7	272447 203970
362	Points of Interest - Public Infrastructure Name: Weir Location: SA8 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8NE (SE)	510	7	272613 203062
362	Points of Interest - Public Infrastructure Name: Weir Location: SA8 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8NE (SE)	512	7	272616 203062
363	Points of Interest - Public Infrastructure Name: Avenue Garage Location: Swansea Road, Pontardawe, Swansea, SA8 4AL Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A12SE (W)	510	7	271737 203443

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
364	Points of Interest - Public Infrastructure Name: Pontardawe Service Station Location: High Street, Pontardawe, Swansea, SA8 4HU Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A18SW (N)	590	7	272197 204113
365	Points of Interest - Public Infrastructure Name: Sluice Location: SA8 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	719	7	271940 204152
365	Points of Interest - Public Infrastructure Name: Sluice Location: SA8 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	774	7	271884 204183
365	Points of Interest - Public Infrastructure Name: Sluice Location: SA8 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	776	7	271884 204185
366	Points of Interest - Public Infrastructure Name: Pontardawe Police Station Location: Pontardawe Police Station, High Street, Pontardawe, Swansea, SA8 4JN Category: Central and Local Government Class Code: Police Stations Positional Accuracy: Positioned to address or location	A18NE (N)	749	7	272311 204282
367	Points of Interest - Public Infrastructure Name: Pontardawe Fire Station Location: Alltcham Drive, Pontardawe, Swansea, SA8 4JR Category: Central and Local Government Class Code: Fire Brigade Stations Positional Accuracy: Positioned to address or location	A18NW (N)	782	7	272051 204273
367	Points of Interest - Public Infrastructure Name: Pontardawe Location: Alltcham Drive, Pontardawe, Swansea, SA8 4JR Category: Central and Local Government Class Code: Fire Brigade Stations Positional Accuracy: Positioned to address or location	A18NW (N)	782	7	272052 204273
367	Points of Interest - Public Infrastructure Name: Pontardawe Fire Station Location: Fire Station, Allt-y-Cham Drive, Pontardawe, Swansea, SA8 4JR Category: Central and Local Government Class Code: Fire Brigade Stations Positional Accuracy: Positioned to address or location	A18NW (N)	782	7	272052 204273
368	Points of Interest - Public Infrastructure Name: Weir Location: SA8 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	784	7	271879 204191
368	Points of Interest - Public Infrastructure Name: Weir Location: SA8 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	785	7	271879 204193
368	Points of Interest - Public Infrastructure Name: Burial Ground Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	835	7	271781 204184
368	Points of Interest - Public Infrastructure Name: Burial Ground Location: SA8 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	836	7	271781 204185

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
369	Points of Interest - Public Infrastructure Name: C.J. Limo Ltd Location: 43 Ynys y Mond Road, Pontardawe, Swansea, SA8 3BA Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to address or location	A8SW (S)	841	7	271982 202675
370	Points of Interest - Public Infrastructure Name: Graveyard Location: SA8 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A7NW (SW)	937	7	271383 203120
370	Points of Interest - Public Infrastructure Name: Graveyard Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A7NW (SW)	938	7	271383 203119
371	Points of Interest - Recreational and Environmental Name: Playground Location: (Heol Glanllechau), SA8 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13SE (S)	114	7	272323 203354
371	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13SE (S)	116	7	272324 203353
372	Points of Interest - Recreational and Environmental Name: Playground Location: (Lon Tanyralt), SA8 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A13SW (SW)	295	7	272094 203233
372	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	319	7	272084 203210
373	Points of Interest - Recreational and Environmental Name: Playground Location: Nr Swansea Road, SA8 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A12NE (W)	375	7	271870 203507
373	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A12NE (W)	376	7	271869 203507
374	Points of Interest - Recreational and Environmental Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A18SE (N)	533	7	272367 204062
375	Points of Interest - Recreational and Environmental Name: Playground Location: (Lon-Y-Wern), SA8 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A9NW (SE)	644	7	272762 203012
375	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	653	7	272767 203005

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
376	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	880	7	272124 204394
376	Points of Interest - Recreational and Environmental Name: Playground Location: Alltacham Drive, SA8 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	880	7	272125 204394
377	Gas Pipelines Name: FM28 - Felindre to Cilfrew Nat Grid: Owned By National Grid Diameter (mm): 1200 Building Proximity: 132 Distance (m): Status: Active Pipe Length (m): 17048.8 Pipe Number: Feeder 28	A12SW (SW)	715	8	271595 203190

Map ID	Details		Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
378	Ancient Woodland Name: Not Supplied Reference: 23194 Area(m ²): 66055.43 Type: Restored Ancient Woodland Site		A12NE (NW)	415	2	271871 203669
379	Ancient Woodland Name: Not Supplied Reference: 12560 Area(m ²): 10124.18 Type: Ancient and Semi-Natural Woodland		A8NE (SE)	440	2	272477 203067
380	Ancient Woodland Name: Not Supplied Reference: 48848 Area(m ²): 16039.67 Type: Ancient Woodland Site of Unknown Category		A12NE (W)	582	2	271667 203559
381	Ancient Woodland Name: Not Supplied Reference: 18413 Area(m ²): 55862.11 Type: Ancient and Semi-Natural Woodland		A18SW (NW)	584	2	272026 204047
382	Ancient Woodland Name: Not Supplied Reference: 12559 Area(m ²): 3154.36 Type: Ancient and Semi-Natural Woodland		A8SE (S)	652	2	272339 202810
383	Ancient Woodland Name: Not Supplied Reference: 7515 Area(m ²): 51386.71 Type: Ancient and Semi-Natural Woodland		A14NW (NE)	655	2	272917 203784
384	Ancient Woodland Name: Not Supplied Reference: 14857 Area(m ²): 13193.1 Type: Ancient and Semi-Natural Woodland		A8SW (S)	663	2	272145 202812
385	Ancient Woodland Name: Not Supplied Reference: 18410 Area(m ²): 46642.04 Type: Ancient and Semi-Natural Woodland		A17SE (NW)	702	2	271792 204026
386	Ancient Woodland Name: Not Supplied Reference: 10124 Area(m ²): 23219.73 Type: Ancient and Semi-Natural Woodland		A17SE (NW)	705	2	271754 203996
387	Ancient Woodland Name: Not Supplied Reference: 18411 Area(m ²): 5000.57 Type: Ancient and Semi-Natural Woodland		A18NE (N)	805	2	272299 204338
388	Ancient Woodland Name: Not Supplied Reference: 18409 Area(m ²): 7844.37 Type: Ancient and Semi-Natural Woodland		A12NW (W)	812	2	271440 203596
389	Ancient Woodland Name: Not Supplied Reference: 16767 Area(m ²): 19811.77 Type: Ancient and Semi-Natural Woodland		A7SE (SW)	825	2	271921 202719
390	Ancient Woodland Name: Not Supplied Reference: 16768 Area(m ²): 6116.88 Type: Ancient and Semi-Natural Woodland		A7SE (SW)	852	2	271793 202762
391	Ancient Woodland Name: Not Supplied Reference: 14858 Area(m ²): 4706.74 Type: Ancient and Semi-Natural Woodland		A7NW (SW)	879	2	271470 203073

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
392	Ancient Woodland Name: Not Supplied Reference: 23193 Area(m²): 9232.26 Type: Restored Ancient Woodland Site	A12NW (W)	978	2	271300 203742
393	Local Nature Reserves Name: Cwm Du Glen & Glanrhyd Plantation Multiple Area: N Area (m2): 153719.51 Source: Neath Port Talbot County Borough Council Designation Date: Not Supplied	A18SW (NW)	579	9	272028 204041

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices City and County of Swansea - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	January 2015 March 2015	Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Welsh Region Natural Resources Wales	August 2014 January 2020	Quarterly Quarterly
Enforcement and Prohibition Notices Environment Agency - Welsh Region	March 2013	Annual Rolling Update
Integrated Pollution Controls Environment Agency - Welsh Region	October 2008	Variable
Integrated Pollution Prevention And Control Environment Agency - Welsh Region Natural Resources Wales	January 2020 January 2020	Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control Swansea Bay Port Health Authority Neath Port Talbot County Borough Council - Environmental Health Department City and County of Swansea - Environmental Health Department	April 2014 August 2012 June 2014	Variable Variable Variable
Local Authority Pollution Prevention and Controls Swansea Bay Port Health Authority City and County of Swansea - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	April 2014 June 2014 March 2014	Annually Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Swansea Bay Port Health Authority City and County of Swansea - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	April 2014 June 2014 March 2014	Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	February 2020	
Pollution Incidents to Controlled Waters Environment Agency - Welsh Region	December 1998	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Welsh Region Natural Resources Wales	March 2013 March 2013	Annual Rolling Update Annual Rolling Update
Prosecutions Relating to Controlled Waters Environment Agency - Welsh Region Natural Resources Wales	March 2013 March 2013	Annual Rolling Update Annual Rolling Update
Registered Radioactive Substances Natural Resources Wales Environment Agency - Welsh Region	January 2015 June 2016	Annually
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
Substantiated Pollution Incident Register Environment Agency Wales - South West Area Natural Resources Wales	January 2020 January 2020	Quarterly Quarterly
Water Abstractions Environment Agency - Welsh Region Natural Resources Wales	January 2020 January 2020	Quarterly Quarterly

Agency & Hydrological	Version	Update Cycle
Water Industry Act Referrals Natural Resources Wales Environment Agency - Welsh Region	January 2020 October 2017	Quarterly Quarterly
Groundwater Vulnerability Map Natural Resources Wales	June 2018	As notified
Bedrock Aquifer Designations Natural Resources Wales	January 2018	Annually
Superficial Aquifer Designations Natural Resources Wales	January 2018	Annually
Source Protection Zones Natural Resources Wales	November 2016	Annual Rolling Update
Extreme Flooding from Rivers or Sea without Defences Natural Resources Wales	August 2019	Quarterly
Flooding from Rivers or Sea without Defences Natural Resources Wales	November 2019	Quarterly
Areas Benefiting from Flood Defences Natural Resources Wales	November 2019	Quarterly
Flood Water Storage Areas Natural Resources Wales	August 2019	Quarterly
Flood Defences Natural Resources Wales	November 2019	Quarterly
OS Water Network Lines Ordnance Survey	January 2020	Quarterly
Surface Water 1 in 30 year Flood Extent Natural Resources Wales	October 2013	Annually
Surface Water 1 in 100 year Flood Extent Natural Resources Wales	October 2013	Annually
Surface Water 1 in 1000 year Flood Extent Natural Resources Wales	October 2013	Annually
Surface Water Suitability Natural Resources Wales	October 2013	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Natural Resources Wales	July 2017	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Welsh Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency Wales - South West Area Natural Resources Wales	November 2019 November 2019	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency Wales - South West Area Natural Resources Wales	January 2020 January 2020	Quarterly Quarterly
Local Authority Landfill Coverage City and County of Swansea - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	May 2000 May 2000	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites City and County of Swansea - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	May 2000 September 2003	Not Applicable 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 Wales - South West Area	March 2003	Not Applicable
Registered Waste Transfer Sites Environment Agency Wales - South West Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency Wales - South West 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 City and County of Swansea - Planning Department Neath Port Talbot County Borough Council - Planning Department	January 2016 October 2015	Variable Variable
Planning Hazardous Substance Consents City and County of Swansea - Planning Department Neath Port Talbot County Borough Council - Planning Department	January 2016 October 2015	Variable Variable

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	October 2019	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	January 2019	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	January 2020	Quarterly
Fuel Station Entries Catalist Ltd - Experian	April 2020	Quarterly
Gas Pipelines National Grid	July 2014	
Points of Interest - Commercial Services PointX	March 2020	Quarterly
Points of Interest - Education and Health PointX	March 2020	Quarterly
Points of Interest - Manufacturing and Production PointX	March 2020	Quarterly
Points of Interest - Public Infrastructure PointX	March 2020	Quarterly
Points of Interest - Recreational and Environmental PointX	March 2020	Quarterly
Underground Electrical Cables National Grid	October 2019	

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural Resources Wales	August 2018	Bi-Annually
Areas of Adopted Green Belt City and County of Swansea Neath Port Talbot County Borough Council - Planning Services	February 2020 February 2020	As notified As notified
Areas of Unadopted Green Belt City and County of Swansea Neath Port Talbot County Borough Council - Planning Services	February 2020 February 2020	As notified As notified
Areas of Outstanding Natural Beauty Natural Resources Wales	June 2019	Bi-Annually
Environmentally Sensitive Areas The National Assembly for Wales - GI Services (Department of Planning & Countryside)	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves City and County of Swansea Neath Port Talbot County Borough Council	August 2018 August 2018	Bi-Annually Bi-Annually
Marine Nature Reserves Natural Resources Wales	August 2018	Bi-Annually
National Nature Reserves Natural Resources Wales	June 2019	Bi-Annually
National Parks Natural Resources Wales	August 2018	Annually
Nitrate Vulnerable Zones Natural Resources Wales The National Assembly for Wales - GI Services (Department of Planning & Countryside)	July 2019 October 2005	Bi-Annually
Ramsar Sites Natural Resources Wales	July 2019	Bi-Annually
Sites of Special Scientific Interest Natural Resources Wales	March 2020	Bi-Annually
Special Areas of Conservation Natural Resources Wales	August 2018	Bi-Annually
Special Protection Areas Natural Resources Wales	August 2018	Bi-Annually

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

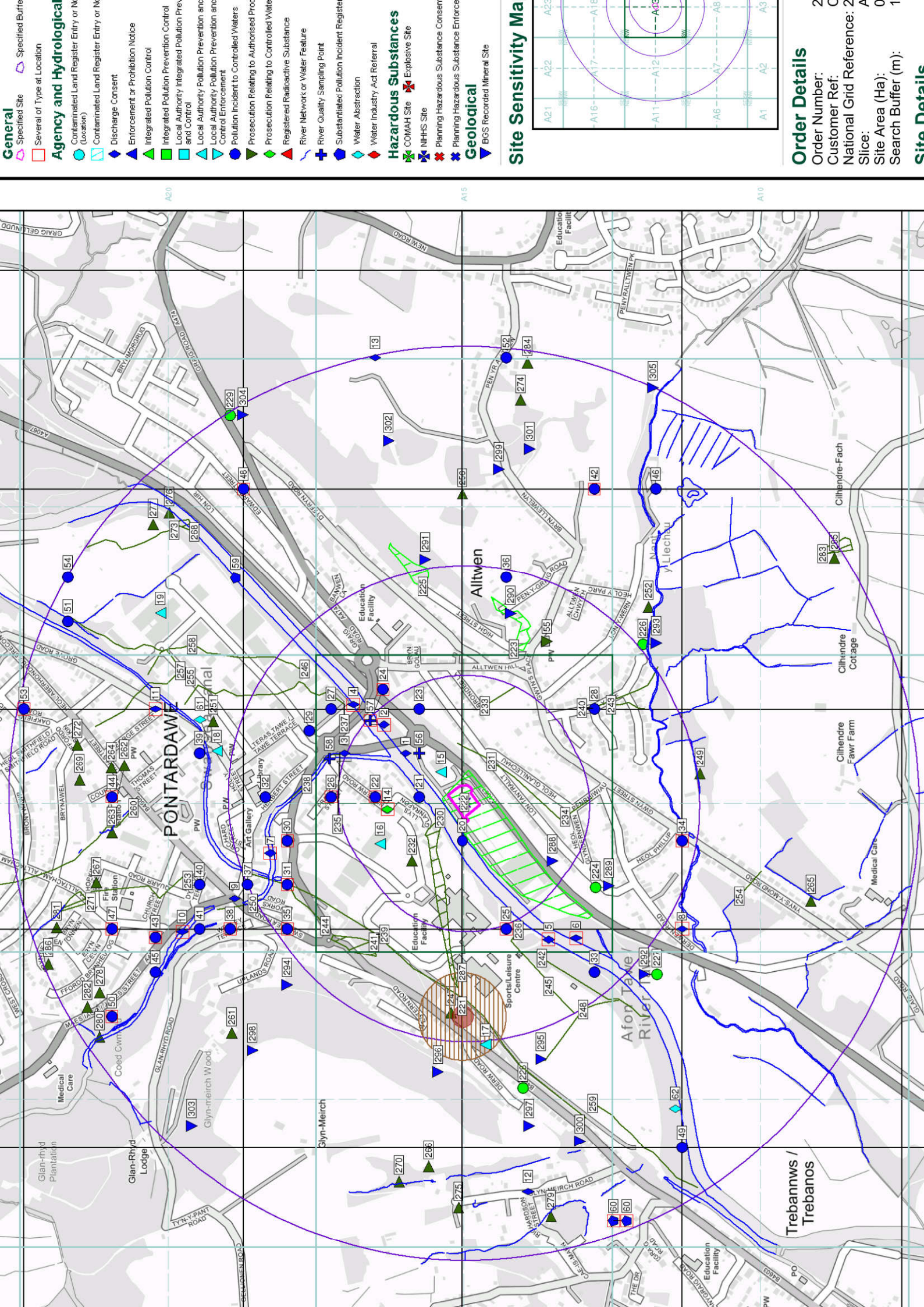
Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Natural Resources Wales Ty Cambria, 29 Newport Road, Cardiff, CF24 0TP	Telephone: 0300 065 3000 Email: enquiries@naturalresourceswales.gov.uk
3	Neath Port Talbot County Borough Council - Environmental Health Department Room 322, Neath Civic Centre, Neath, West Glamorgan, SA11 3QZ	Telephone: 01639 763333 Fax: 01693 763444 Website: www.neath-porttalbot.gov.uk
4	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
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	The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
7	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
8	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9966 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.co.uk
9	Neath Port Talbot County Borough Council Civic Centre, Port Talbot, West Glamorgan, SA13 1PJ	Telephone: 01639 763333 Fax: 01693 763444 Website: www.neath-porttalbot.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.

[illegible]

Order Number:	20
Customer Ref:	C
National Grid Reference:	28
Slice:	A
Site Area (Ha):	0
Plot Buffer (m):	1

Site Details



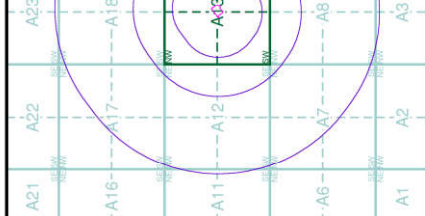
General

- Specified Site
- Slice

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Gas Pipeline
- Points of Interest - Commercial Service
- Points of Interest - Education and Health
- Points of Interest - Manufacturing and Heat
- Points of Interest - Public Infrastructure
- Points of Interest - Recreational and Entertainment
- Underground Electrical Cables

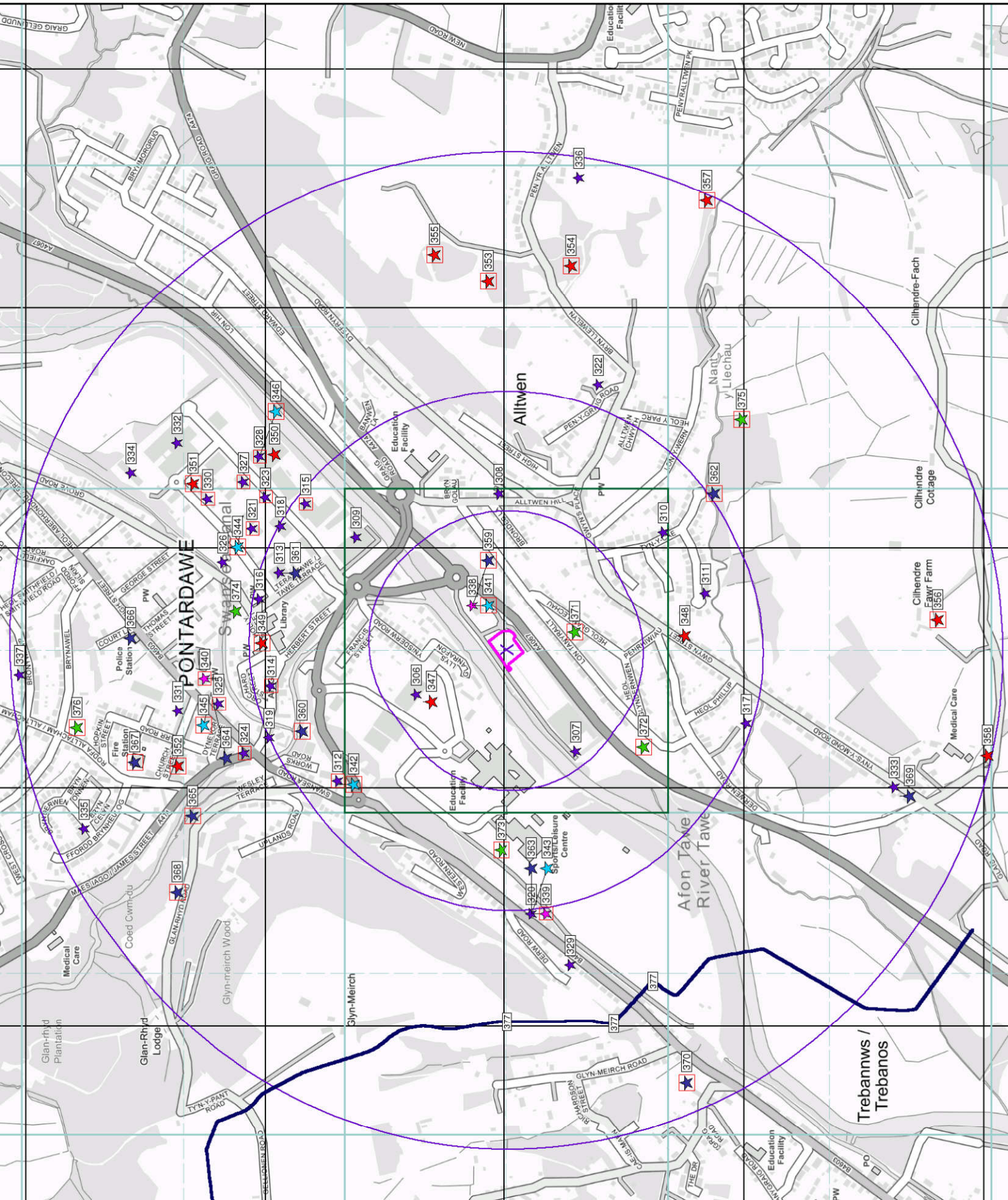
Industrial Land Use



Order Details

Order Number: 2
Customer Ref: C
National Grid Reference: 2
Slice: A
Site Area (Ha): 0
Search Buffer (m): 1

Site Details



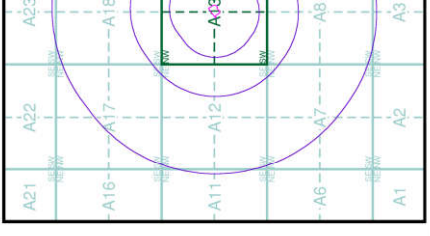
General

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

Agency and Hydrology

- Extreme Flooding from Rivers or Sea
- Flooding from Rivers or Sea
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

Flood Map - Slice A



Order Details

Order Number: 2
Customer Ref: C
National Grid Reference: 2
Slice: A
Site Area (Ha): 0
Search Buffer (m): 1

Site Details



General

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

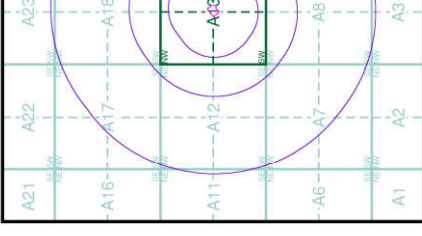
Agency and Hydrology

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

For Borehole information please see the accompanying map.

A copy of the BGS Borehole map can be found on the Support section of the website.

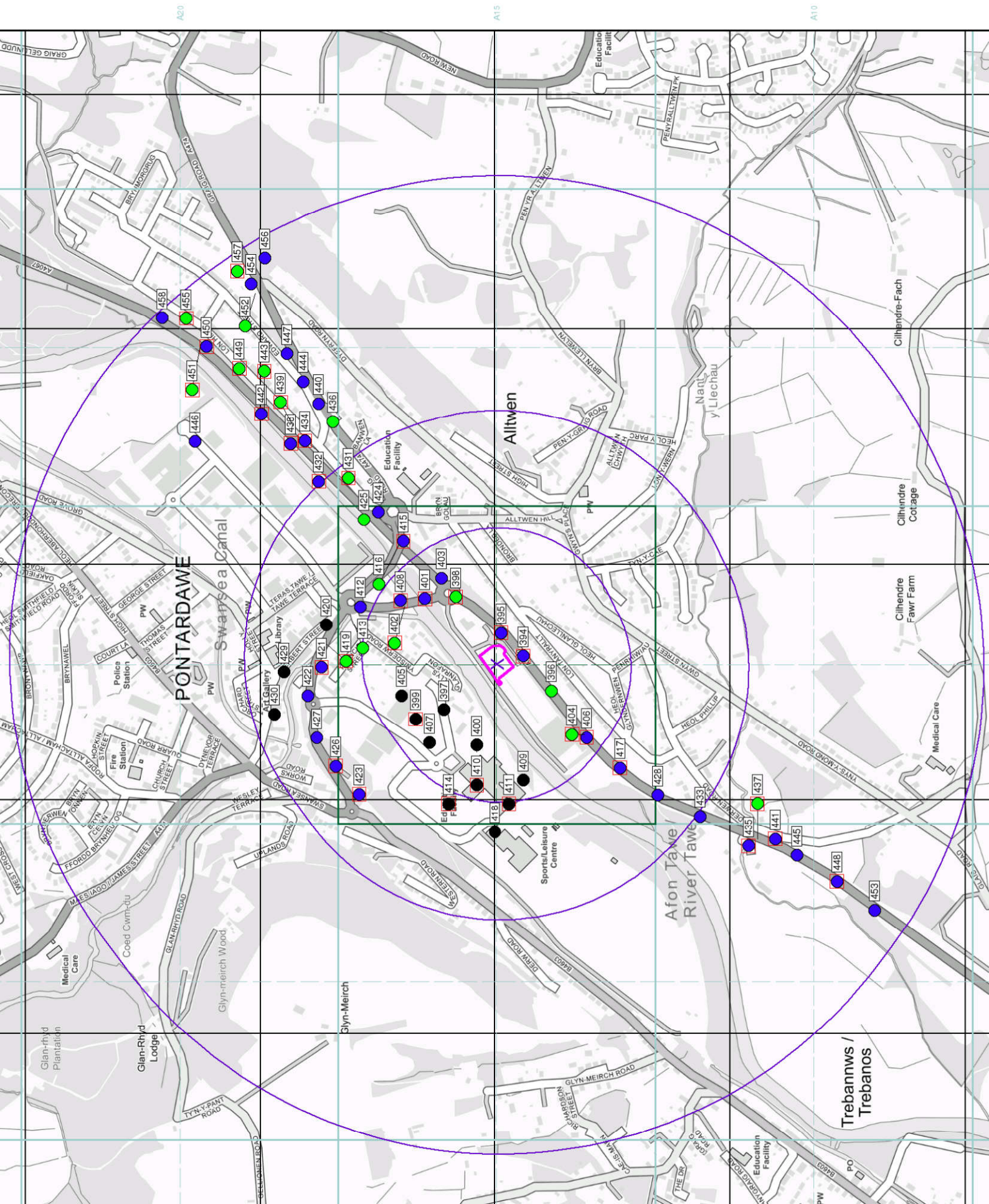
Borehole Map - Slice

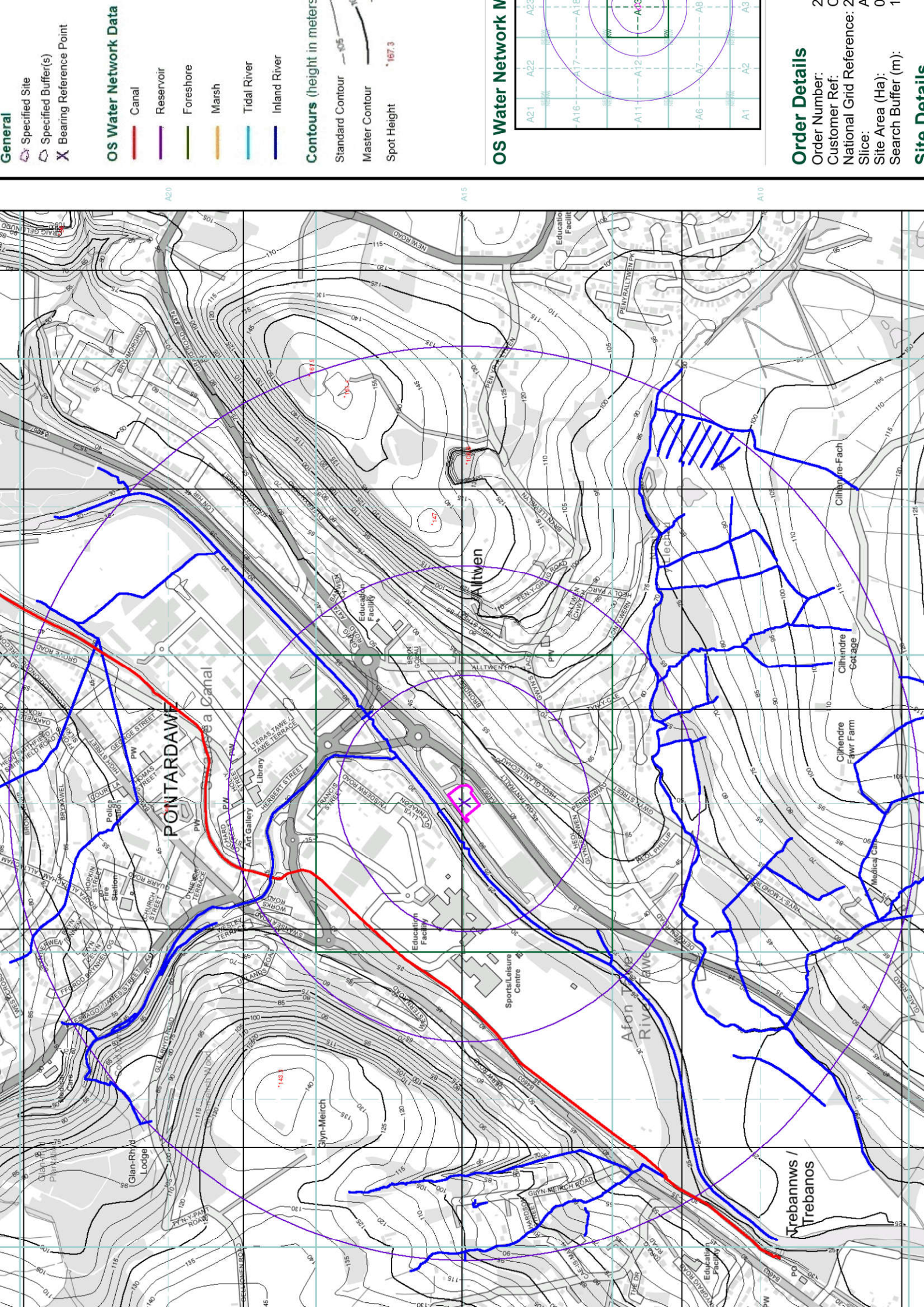


Order Details

Order Number: 20100101
Customer Ref: A1000001
National Grid Reference: 20100101
Slice: A1000001
Site Area (Ha): 0.1
Search Buffer (m): 1

Site Details





General

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

Risk of Flooding from

- 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

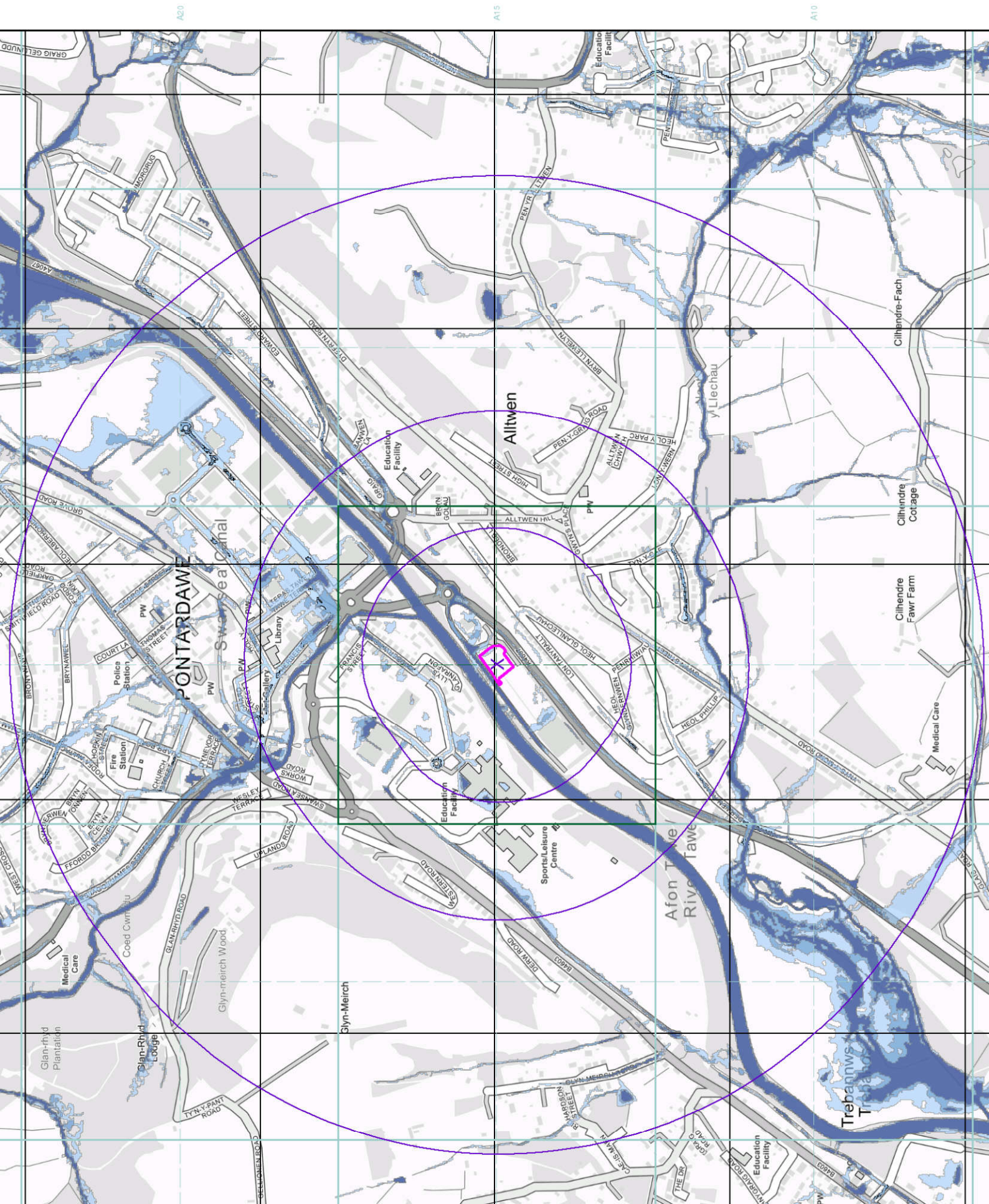
EANRW Suitability



Order Details

Order Number:
Customer Ref:
National Grid Reference: 2
Slice:
Site Area (Ha):
Search Buffer (m):

Site Details

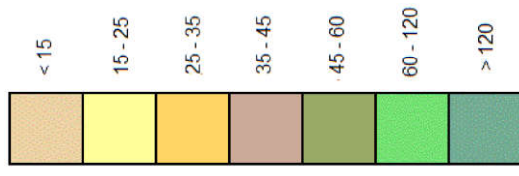


General

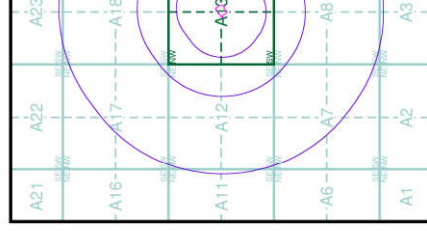
Specified Site

Estimated Soil Chemistry

Arsenic Concentrations mg/kg



Estimated Soil Chemistry



Order Details

Order Details:

Customer Ref:

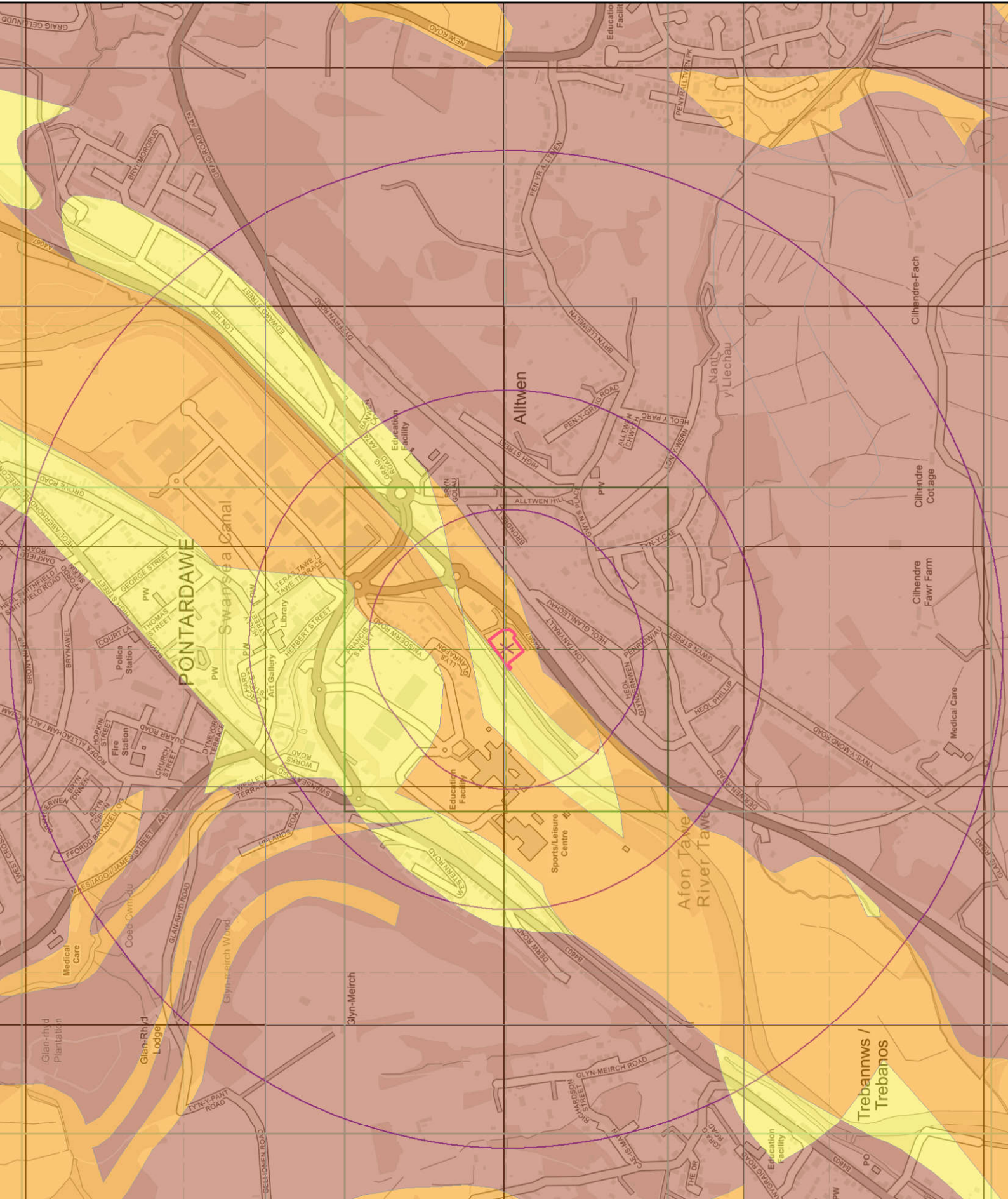
National Grid Reference: 2

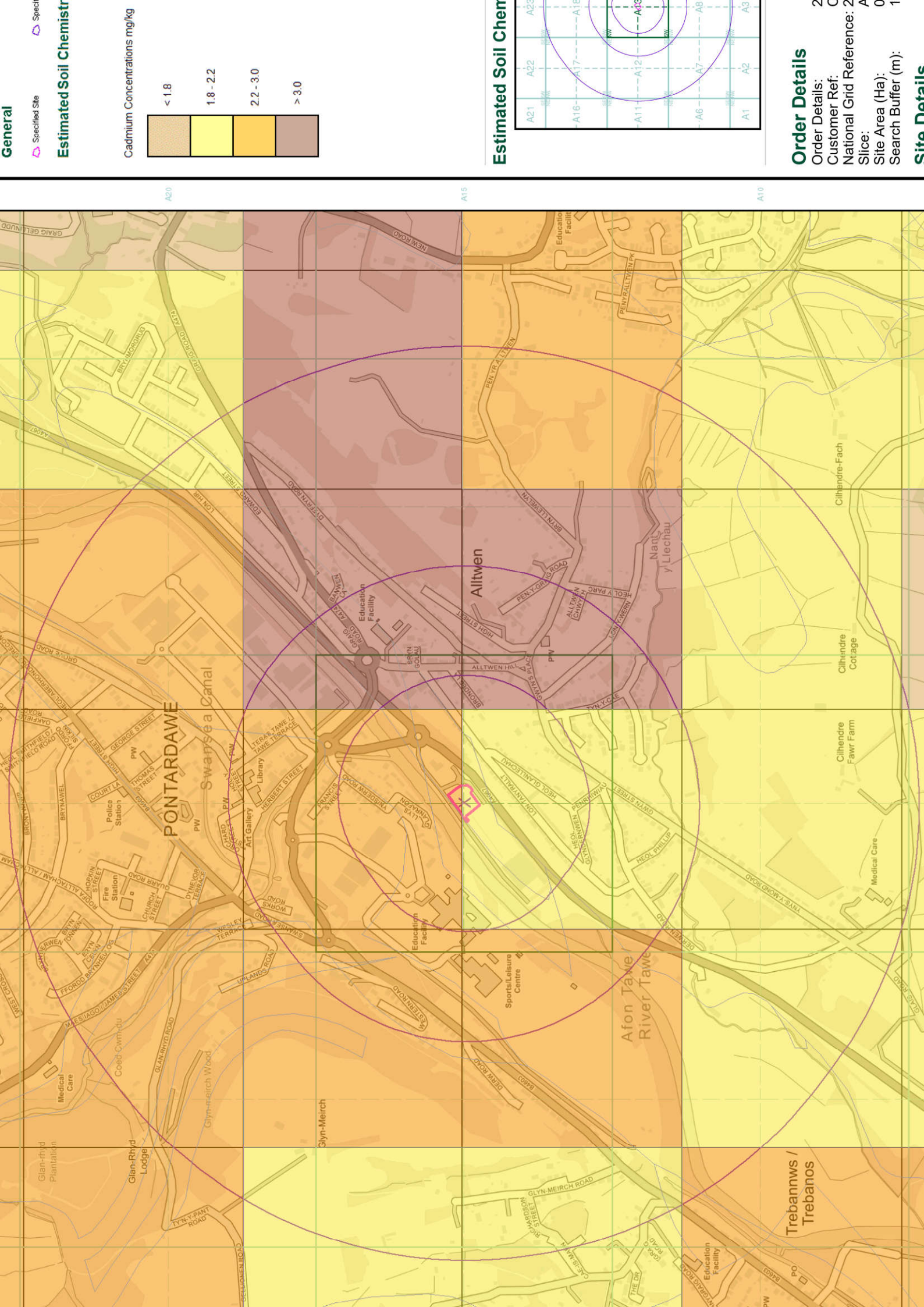
Site:

Site Area (Ha):

Search Buffer (m):

Site Details





[illegible]

Estimated Soil Chromium Concentrations

Chromium Concentrations mg/kg

Concentration Range (mg/kg)	Color
< 20	Lightest Yellow
20 - 40	Yellow
40 - 60	Orange
60 - 90	Light Brown
90 - 120	Light Green
120 - 180	Medium Green
> 180	Dark Green

Estimated Soil Chromium Concentrations

Order Details:
Customer Ref: 20230101
National Grid Reference: 20230101
Site Area (Ha): 0.1
Search Buffer (m): 100

Order Details

Order Details:
Customer Ref: 20230101
National Grid Reference: 20230101
Site Area (Ha): 0.1
Search Buffer (m): 100

Site Details

Site Details:
Customer Ref: 20230101
National Grid Reference: 20230101
Site Area (Ha): 0.1
Search Buffer (m): 100

Estimated Soil Chromium Concentrations

Chromium Concentrations mg/kg

Concentration Range (mg/kg)	Color
< 20	Lightest Yellow
20 - 40	Yellow
40 - 60	Orange
60 - 90	Light Brown
90 - 120	Light Green
120 - 180	Green
> 180	Dark Green

Estimated Soil Chromium Concentrations

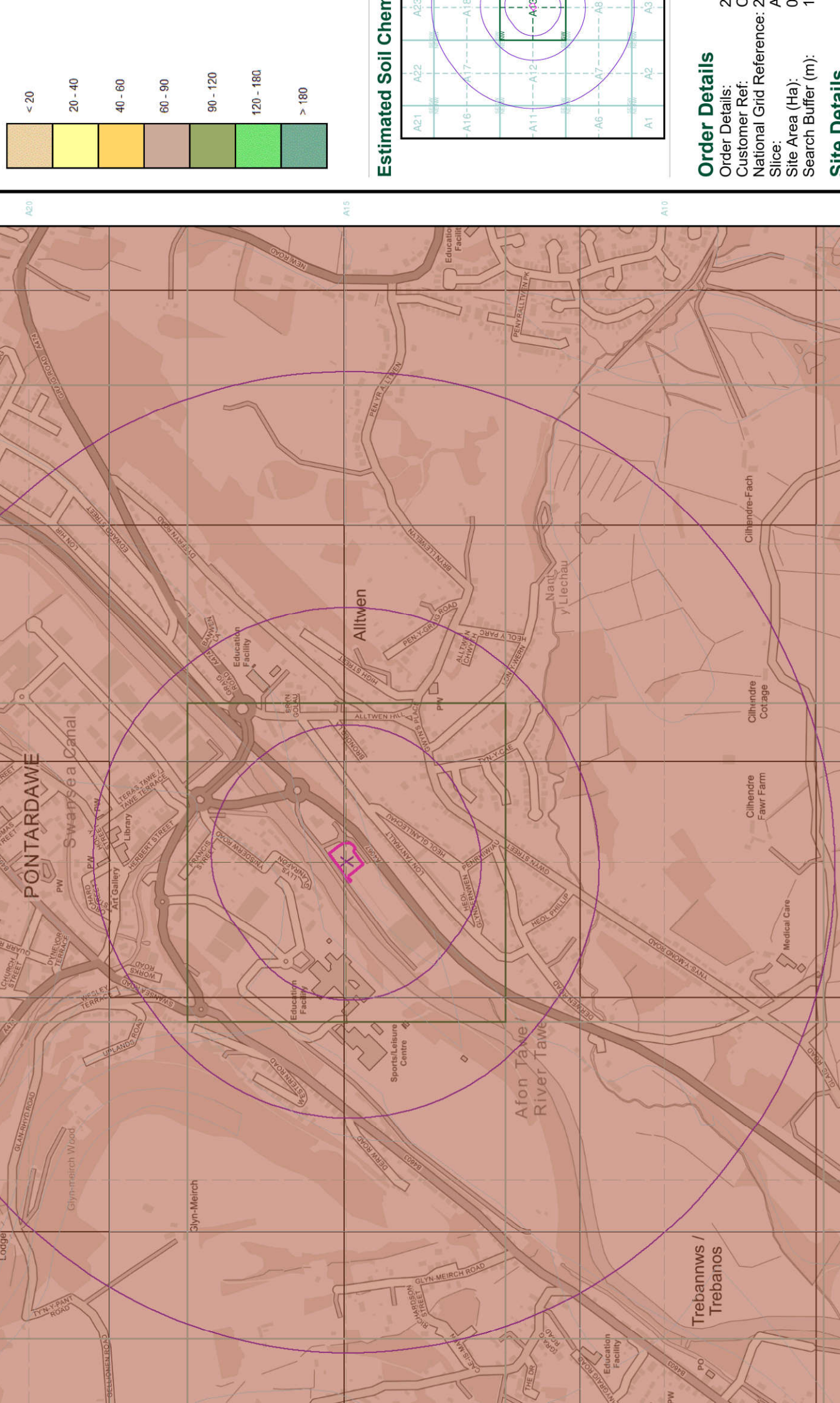
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Customer Ref: 20230101
National Grid Reference: 20230101
Site Area (Ha): 0.1
Search Buffer (m): 100

Order Details

Order Details:
Customer Ref: 20230101
National Grid Reference: 20230101
Site Area (Ha): 0.1
Search Buffer (m): 100

Site Details

Site Details:
Customer Ref: 20230101
National Grid Reference: 20230101
Site Area (Ha): 0.1
Search Buffer (m): 100

[illegible]

Estimated Soil Chemistry

Order Details

Order Details: 200 000 000

Customer Ref: A1

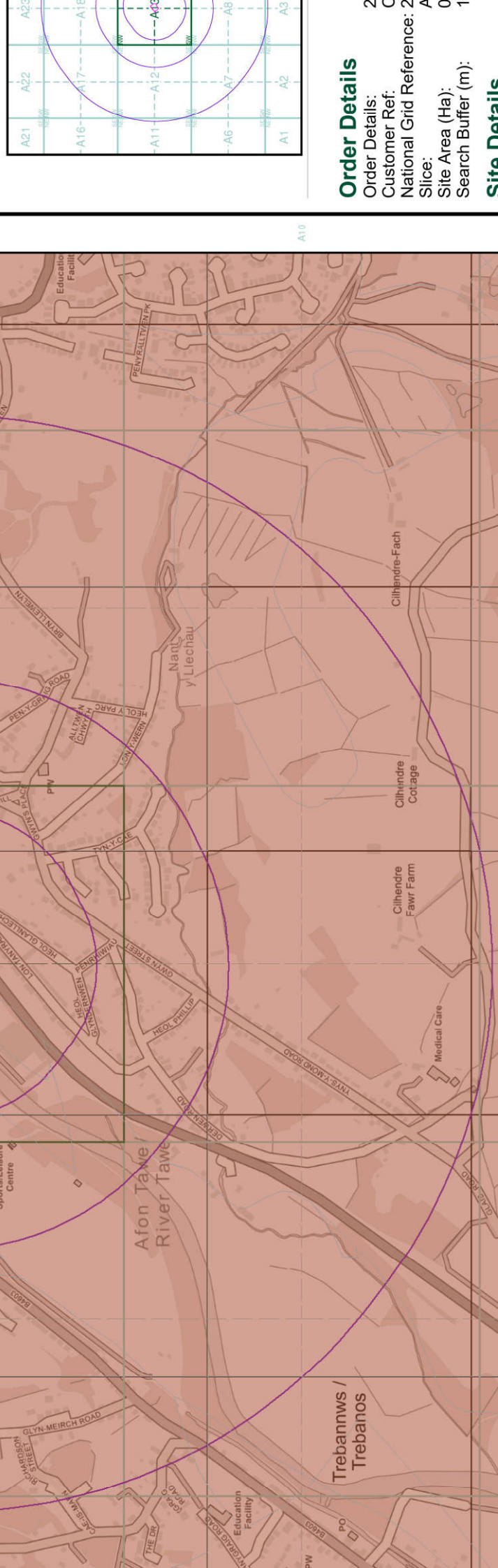
National Grid Reference: 200 000 000

Slice: 1

Site Area (Ha): 1.0

Search Buffer (m): 100

Site Details



Customer Ref: C
National Grid Reference: 2
Slice: A
Site Area (Ha): 0
Search Buffer (m): 1

Site Details

National Grid Reference: A 0 1

Site Details

Medical Care

Fawr Farm

Ullintire Cottage

Glenelg

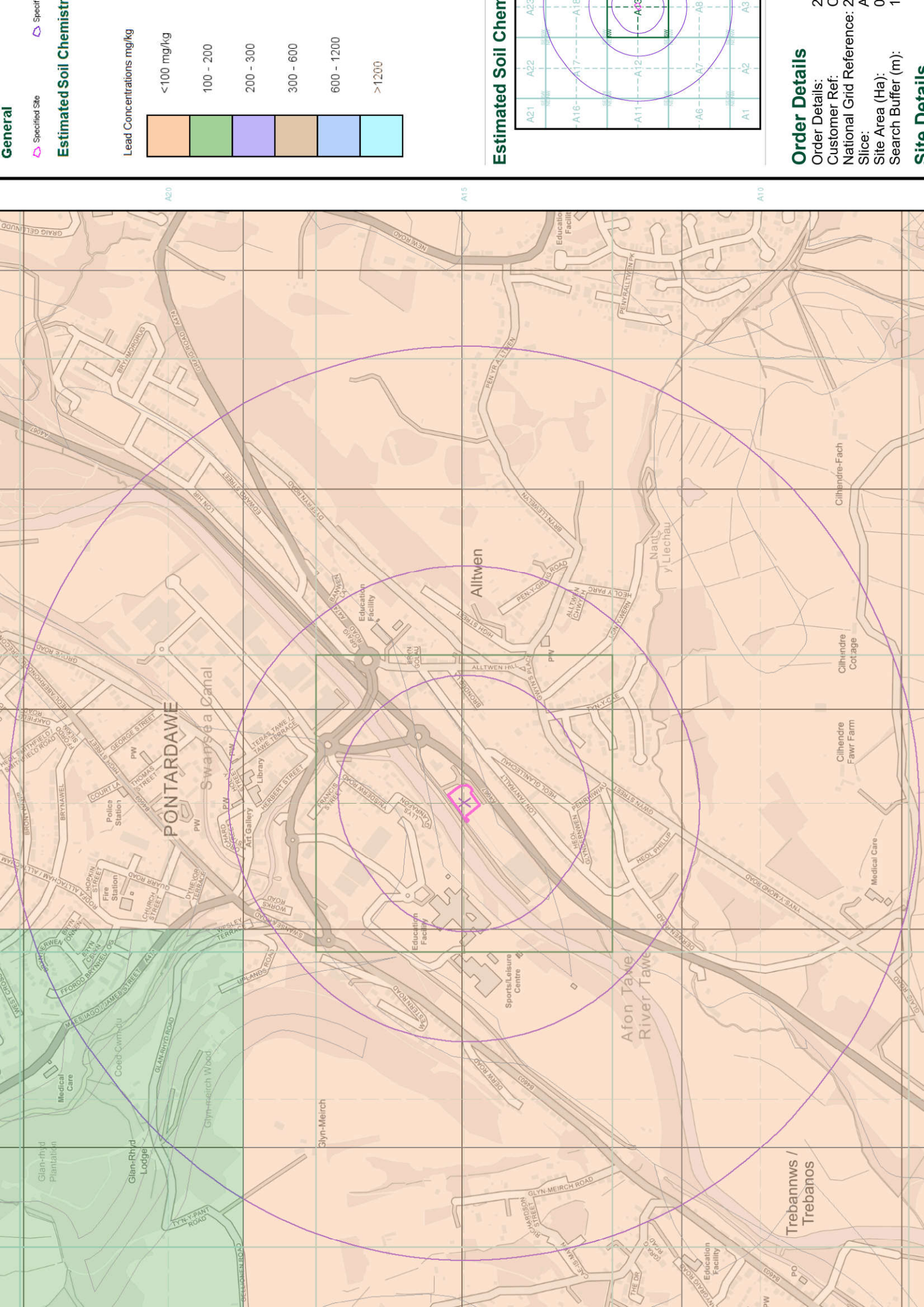
Search Buffer (m)

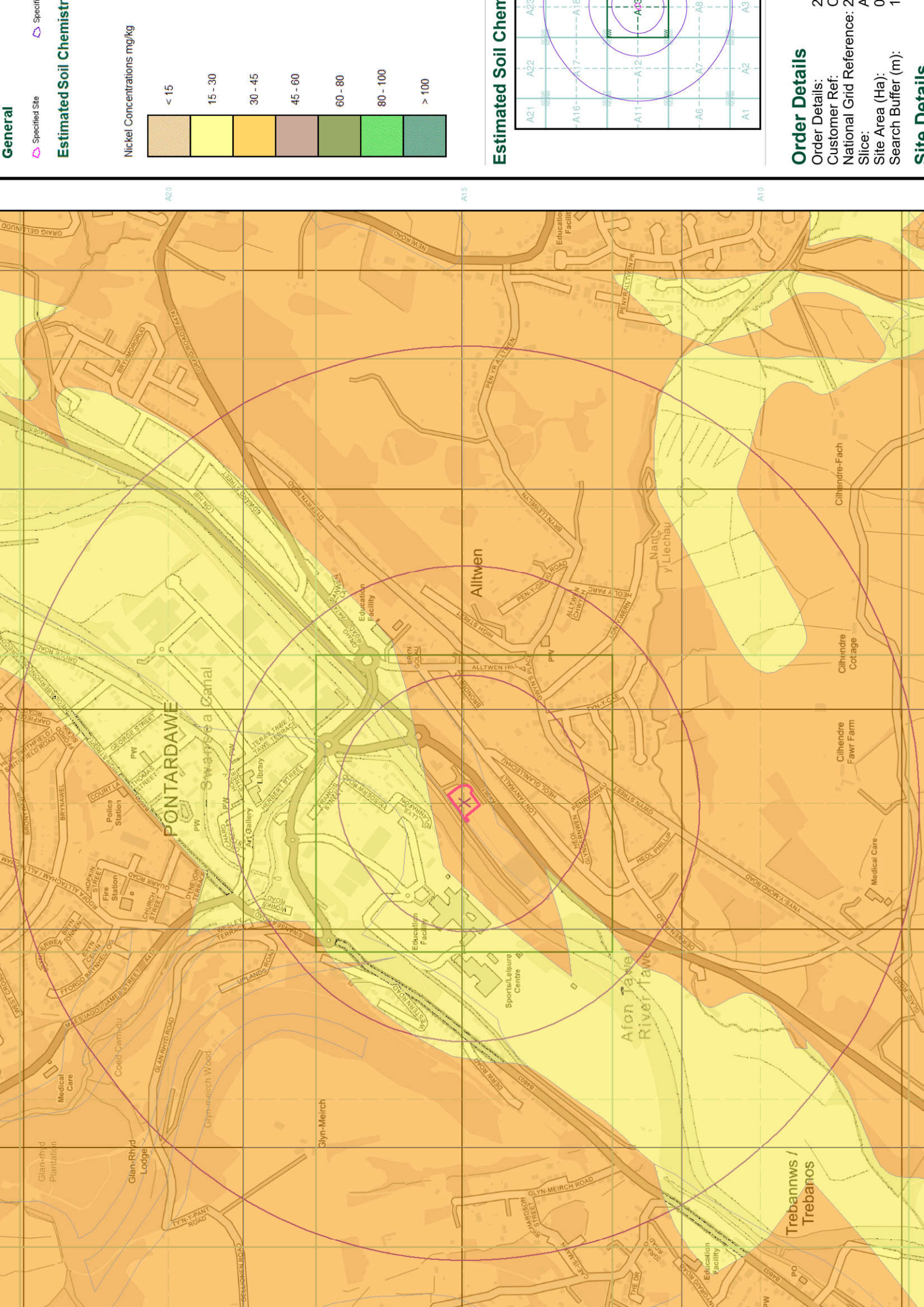
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Site Area (Hatched):

Search Buffer (m):

Site Details





General

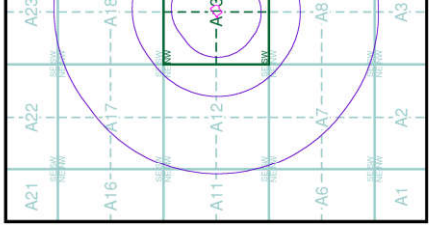
Specified Site

Estimated Soil Chemical

Nickel Concentrations mg/kg



Estimated Soil Chemical



Order Details

Order Details:
Customer Ref:
National Grid Reference: 2
Slice:
Site Area (Ha):
Search Buffer (m):

Site Details

For ease of identification, your site Segments and Quadrants. These and explained further below.

Slice

Each slice represents a 1:10,000 p buffer. A large site and buffer may by a red outline), that are referenced the bottom left corner of the slice " Grid lines but is designed to give b

Segment

A segment represents a 1:2,500 p associated with them are shown in numbered from the bottom left har

Quadrant

A quadrant is a quarter of a segment SE and are referenced in the data on plots. Therefore a feature that in Slice A, Segment 7 and the NW

A selection of organisations who p



Envirocheck reports are compiled

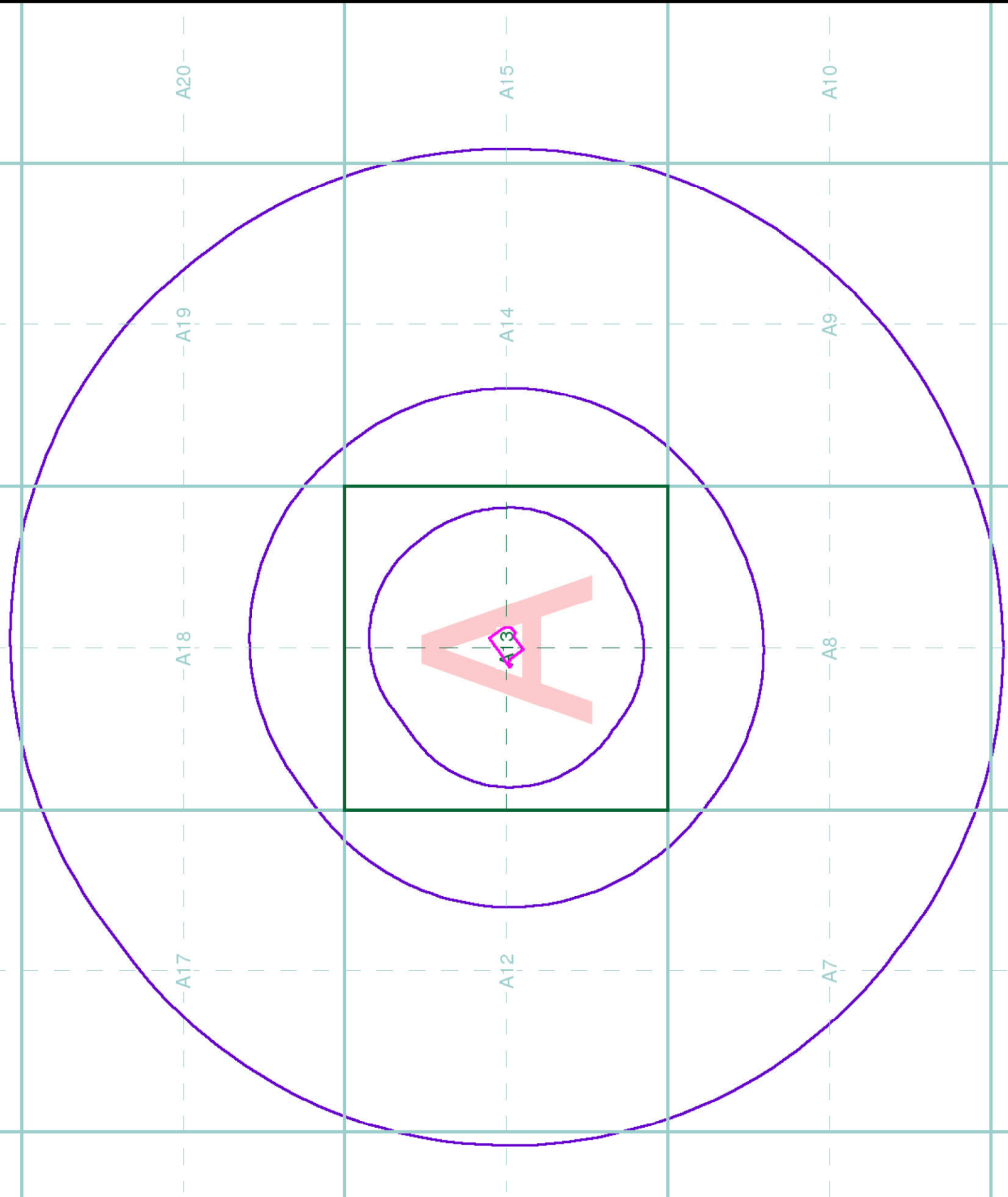
Client Details

Mr R Swayne, Hydrock Co
Over Lane, Almondsbury, I

Order Details

Order Number: 2
Customer Ref: C
National Grid Reference: 2
Site Area (Ha): 0
Search Buffer (m): 1

Site Details



Please Note: Not all of the layers have coverage, so availability of data is indicated below.

Map ID:	1
Map Name:	SN70SW
Map Date:	1973
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Available
Faults:	Available
Landslip:	Available
Rock Segments:	Available

Order Number:
Customer Ref:
National Grid Reference:
Slice:
Site Area (Ha):
Search Buffer (m):

Site Details

Superficial Geology

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	BD	Brithdir Member	Mudstone, Siltstone and Sandstone	Westphalian D - Westphalian D
	BD	Brithdir Member	Sandstone	Westphalian D - Westphalian D
	H	Hughes Member	Sandstone	Westphalian D - Westphalian D
	H	Hughes Member	Mudstone, Siltstone and Sandstone	Westphalian D - Westphalian D
	GDB	Grovesend Formation	Mudstone, Siltstone and Sandstone	Westphalian D - Westphalian D
	SW	Swansea Member	Sandstone	Westphalian D - Westphalian D
	GDB	Grovesend Formation	Sandstone	Westphalian D - Westphalian D
	RA	Rhondda Member	Sandstone	Westphalian D - Bolszovian

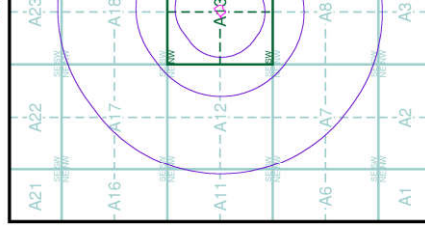
Site Details

BGS 1:10,000 Superficial Deposits map

They rest on older deposits or are 'in place'. Other superficial deposits are found where they are

Most of these Superficial deposits are gravel, sand, silt and clay, often discontinuous

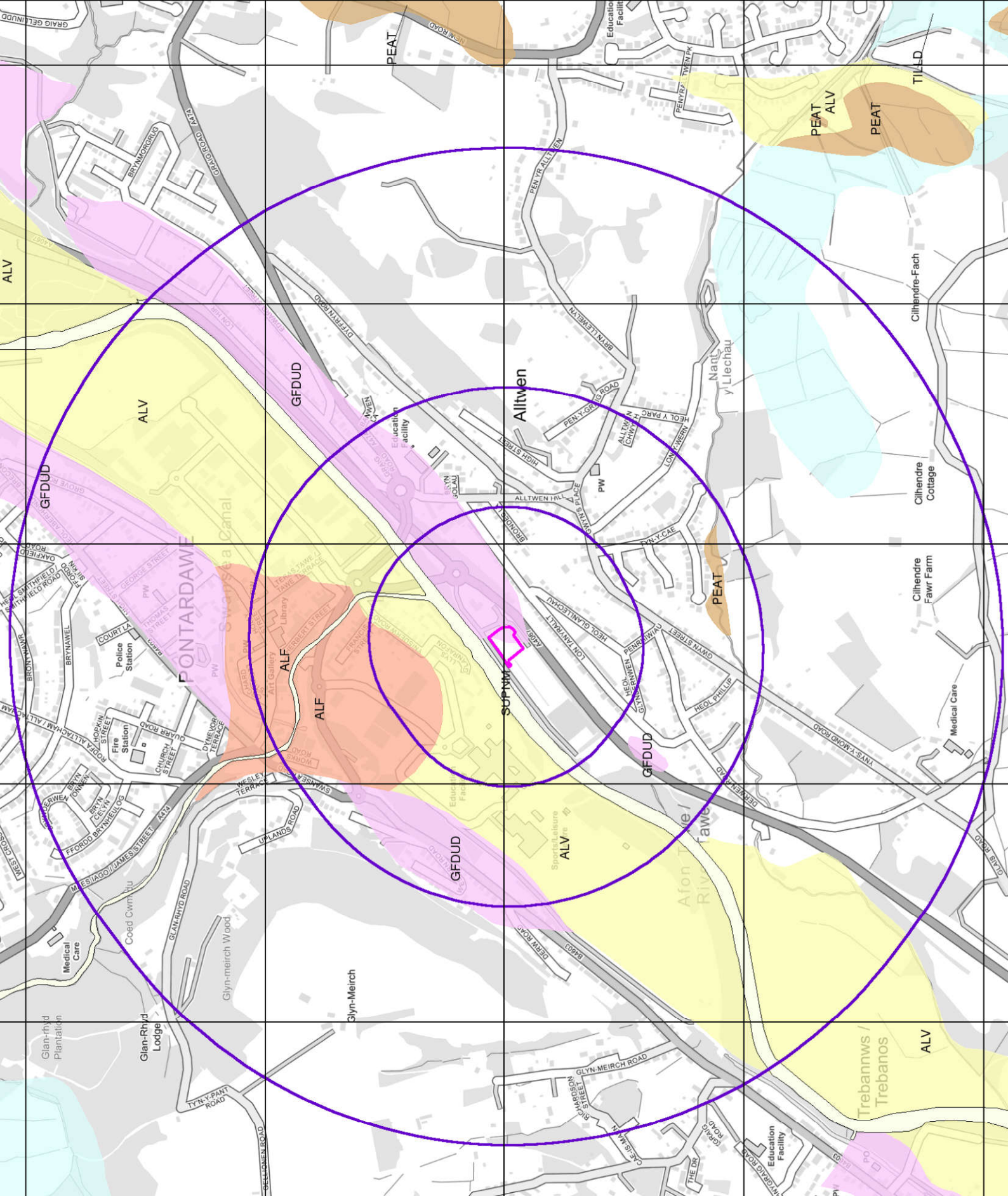
Superficial Geology



Order Details

Order Number: 2
Customer Ref: C
National Grid Reference: 2
Slice: A
Site Area (Ha): 0
Search Buffer (m): 1

Site Details



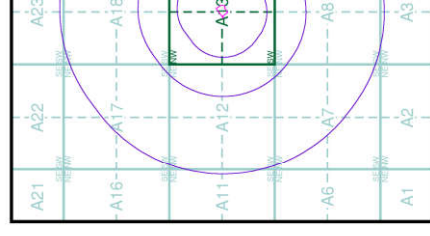
Bedrock geology is a term used to describe the solid rock forming the Earth and are present at the surface in outcrops or covered by soil or water.

The bedrock has formed over a period of some 2500 million years ago, from the Pliocene, 1.8 million years ago.

The bedrock geology includes three types based on origin: sedimentary.

The BGS Faults and Rock Strata map shows geological faults and thin beds, seams and mineral veins. These could relate to features of any

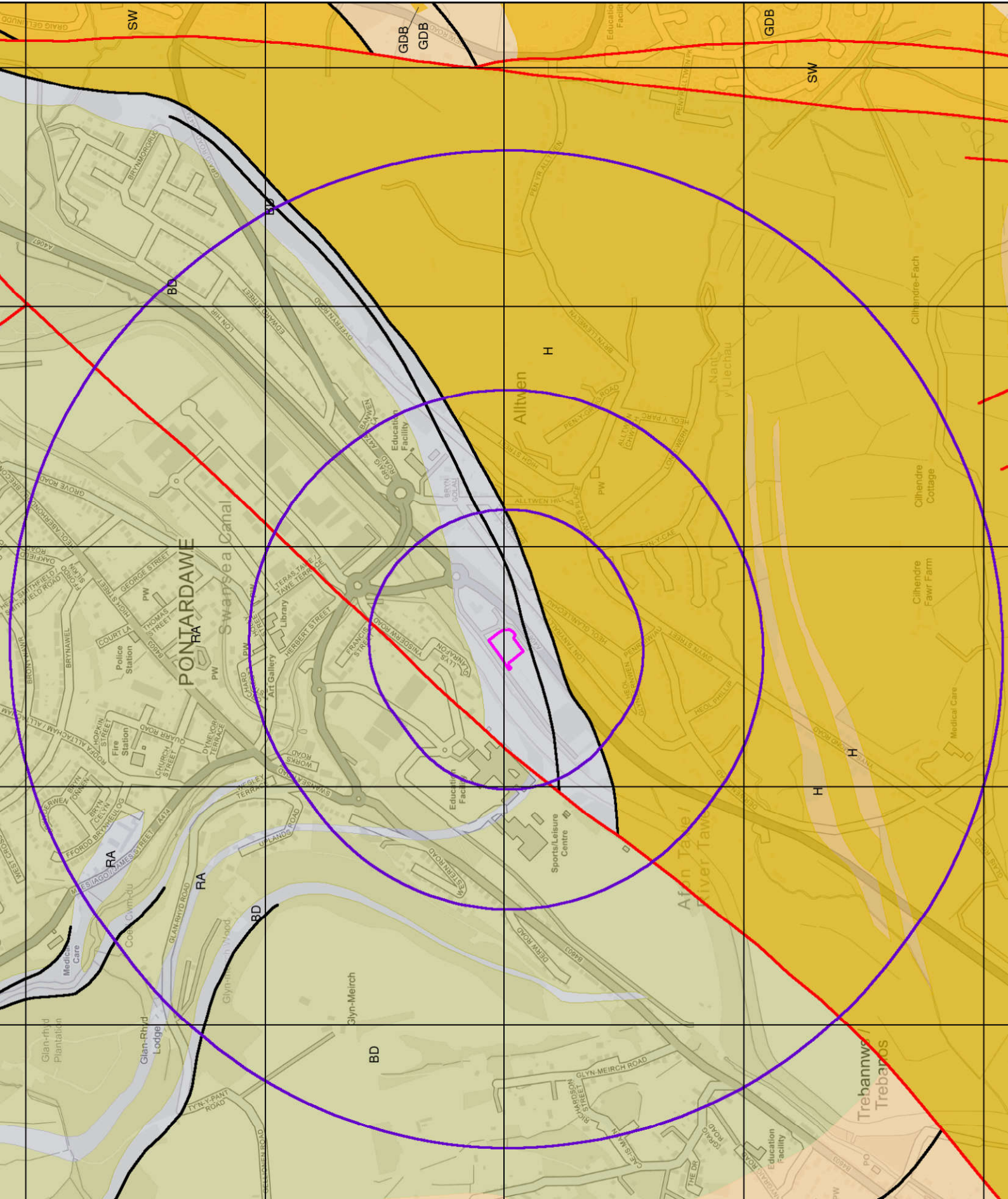
Bedrock and Faults



Order Details

Order Number: 2
Customer Ref: C
National Grid Reference: 2
Slice: A
Site Area (Ha): 0
Search Buffer (m): 1

Site Details



The Combined Surface Geology maps into one combined geology

Please consult the legends to Combined "Surface Geology"

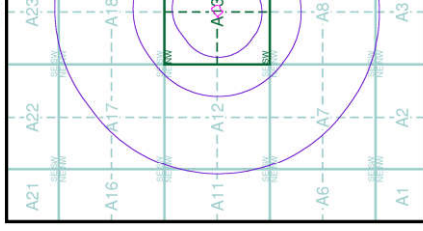
Additional Information

More information on 1:10,000 explanations of rock classifications website. Using the LEX Codes rock types can be obtained by Named Rock Units'. This data the 'Information and Data' link

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Combined Geology



Order Details

Order Number: 2
Customer Ref: C
National Grid Reference: 2
Slice: A
Site Area (Ha): 0
Search Buffer (m): 1

Site Details