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DESKTOP GEOTECHNICAL AND GEO-ENVIRONMENTAL SITE INVESTIGATION

ACREFAIR SPORTS AND SOCIAL CLUB, BETHANIA ROAD, ACREFAIR

FOR

PROSPECT ESTATES LIMITED



46202-001 **8 July 2021**

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ISSUE 1

Job No.	:	46202
Report Status	:	Final
Document Date	:	8 July 2021
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1.0 EXECUTIVE SUMMARY

1. The site has a total area of around 1.3 hectares, and is located to the south of Bethania Road in Acrefair, North Wales. This is around 5.5 miles south west of Wrexham city centre. The site is very approximately rectangular in shape on plan, with the long axis orientated north to south. It is centred around grid reference 327920 343300. It is proposed to develop the site for residential use, with low rise housing in the east of the site.

2. The site is currently occupied by the buildings of the Acrefair Sports and Social Club. The buildings and car park are in the west of the site, whilst the eastern area comprises hummocky grassland.

3. The historical maps show the site to have been occupied by spoil heaps, tramways and a reservoir associated with an adjacent iron works since at least the mid-1800s, but probably earlier. The current sports and social club was constructed in the 1960s.

4. The solid geology is expected to comprise the mudstone or siltstone of the Pennine Lower Coal Measures. Superficial deposits of Till are shown across the site. Made ground is also expected. The depth to the bedrock is not currently known.

5. The Brassey Coal is indicated to outcrop on site, dipping south east. The eastern part of the site may therefore be affected by shallow workings or surface workings within this seam. The Upper Yard Coal may also be present at depths of less than 30m below the site, which may also have been worked. Ironstone seams may also be present. It is recommended that a borehole investigation is undertaken to confirm if any workings are present within influencing depth of foundations/surface, and to determine if any drilling and grouting is required.

6. Three mine shafts are recorded as being present on site two of these are within the development areas. These will need to be located, drilled, grouted and capped. The housing layout should avoid placing plots directly above the shafts.

7. The solid geology is classed as a Secondary A Aquifer, whilst the superficial deposits are a Secondary Undifferentiated aquifer. The site does not lie within a Groundwater Source Protection Zone. Ground water is not expected at shallow depth.

8. Piled foundations are expected to be most suitable for the proposed development at this stage, due to the anticipated depth of made ground. precast concrete floors with a ventilated void below should be assumed to be required.

9. Soakaways are not considered to be viable for the development.

10. No radon precautions are required.

11. Gas monitoring is required at the site due to the expected depth of fill, and due to the presence of recorded landfill sites on and around the development site. Allowance for gas protection measures to Characteristic Situation CS2 in accordance with BS8485 as a minimum should be made at this stage.

12. It is expected that a capping layer of at least 600mm will be required in any proposed gardens or soft landscaping area.

13. A minimum of DS-3 AC-3 sulphate precautions should be allowed for in sub-surface concrete at this stage, and protective water supply pipes should be assumed to be required.

14. The findings of this report are subject to regulatory approval and to the findings of a Phase 2 intrusive investigation.

2.0 INTRODUCTION

2.1 Terms of Reference

This report presents the findings of a Geotechnical and Geo-environmental Site Investigation carried out by Eastwood & Partners (Consulting Engineers) Limited for, and on behalf of Prospect Estates Limited. Any other parties using the information in this report do so at their own risk and any duty of care is excluded.

2.2 Context

Eastwood & Partners are not aware of any previous investigations having been undertaken on this site.

2.3 Aims and Objectives

The aims and objectives of this investigation were as follows:

- To assimilate and review information extracted from published documentation to derive an outline conceptual model identifying potential contaminants, pathways and receptors, as well as possible linkages between these;
- To detail the expected ground conditions and their geotechnical properties enabling outline foundation proposals to be made for the proposed residential development; and
- To outline proposals for a Phase 2 intrusive investigation, if required, the purpose of which would be to obtain information to test the conceptual model and assess the risks to receptors as well as to confirm the foundation proposals.

2.4 Scope of Investigation

This document constitutes the findings of the Desktop investigation. This involved a review of information extracted from published documentation. Information regarding the current and former land uses both on and surrounding the site, as well as the environmental sensitivity of the location as determined by factors including geology, hydrogeology and hydrology have been examined.

Information analysed has been obtained from a variety of sources and includes the following:

- A Landmark Envirocheck;
- A Consultants Coal Mining Report; and
- The British Geological Survey online viewer and geological maps.

2.5 Limitations of Investigation

This report is based on the assumption that the site will be developed with low rise residential dwellings which will be of traditional construction, and that private gardens will be included. It is assumed that ground levels will remain as at present. If these assumptions are not true, then the advice given within this report may not be wholly appropriate. Eastwood & Partners have not visited the site.

Where assessments of site areas affected in particular ways are given, these are approximate. All information, comments and opinions given in this report are based on the documentary information examined. This report considers the ground and groundwater and does not cover any buildings or hardstanding. Risks to ecological receptors, such as bats, have not been considered.

3.0 THE SITE

3.1 Description

The site has a total area of around 1.3 hectares, including the existing sports and social club and its associated car park. However, these features are excluded from the development area and will be retained. The site is located to the south of Bethania Road in Acrefair, North Wales. This is around 5.5 miles south west of Wrexham city centre. The site is very approximately rectangular in shape on plan, with the long axis orientated north to south. It is centred around grid reference 327920 343300.

The site is currently occupied by the buildings of the Acrefair Sports and Social Club. The club is listed as being permanently closed, and appears to comprise a single storey wooden clad bar and function room in the west of the site, with a taller sports hall which is of masonry construction with a pitch tiled roof to the south of the bar. A macadam surfaced car park is located to the north and east of the buildings, extending northwards to the site entrance form Bethania Road.

The eastern part of the site, where the development is proposed, comprises hummocky grassland. It is separated from the car park by a line of bollards. Mature trees of various species are present around the eastern and southern peripheries of the site.

A topographical survey of the site has been undertaken, which indicates the ground level to be between 140.2 and 140.4 m AOD across the development area.

The surrounding land is predominantly residential in use with housing located to the north, east and west of the site. A vacant site is located to the south, beyond Llangollen Road which was formerly occupied by an engineering works producing vessels and plant for compressed gas and air cleaning products, which was demolished around six years ago.

3.2 History

Historical Ordnance Survey maps have been reviewed in the Envirocheck to assess the previous use of the site and surrounding area. The maps, together with the Envirocheck, can be found in the Appendix.

3.2.1 The Site

The earliest available mapping is dated 1874, and this shows the site to have an industrial use as part of the New British Iron Works. Spoil heaps are indicated across the site, with tramways running across the northern and western soes of the heaps. A feature is located in the south east of the site which is labelled as a reservoir on later maps.

By 1899, the tramways have been removed, and the spoil heaps have changed shape, indicating additional tipping is likely to have taken place. By 1912 the spoil heaps are indicated to have tress growing across them, suggesting that they have been abandoned by this time.

No changes are indicated until around 1962, when the eastern half of the site was cleared of trees. A number of small buildings are indicated in the north eastern corner of the site by this time, although the use of these is not indicated.

A second map, also date d1962 then shows the western half of the site to have been levelled, with previous embankments no longer being shown. A club building and associated car park, broadly matching the footprint of the current bar building is now shown. The small buildings in the north east of the site are not shown.

By 1994, the club has been extended and now matches the layout of the current buildings, with the sports hall having been added on the southern side of the initial clubhouse. No further changes are indicated to the site layout after this time.

3.2.2 The Surrounding Area

The earliest mapping shows the area around the site to be heavily industrialised. The New British Iron Works are located around 100m to the south east of the site, to the south east of Llangollen Road, with various buildings and coke ovens shown. The iron works was linked by tram/rail lines to further buildings 130m to the east of the site. A Brick and Tile works is shown from around 160 m north east of the site, with various works buildings and kilns shown. Both the tile works and the iron works have numerous coal shafts shown around them. Further shafts are shown across the surrounding area, including three within 100m to the west and south west of the site. A large number of the shafts are labelled as ‘old’, suggesting that workings pre-date the mapping and that coal extraction is already complete. Many of the shafts have spoil heaps surrounding them, with some being large, suggesting that workings were extensive. Extensive spoil heaps are shown around and across the site which are expected to relate to the iron works, and are likely to comprise ash and slag heaps. Anecdotal information seen by Eastwood & Partners indicates the iron works to have been in production since the early 1800s. Some residential development is interspersed amongst the industry, with housing shown along Llangollen Road form around 200 m south west of the site and occasional terraces along other smaller roads to the east and west of the site. Railway lines also cross the area, serving both the industrial development and the local population via mineral branch lines and passenger lines. Various reservoirs are shown across the area, associated with the industrial developments. A chemical works is also indicated around 500 m south west of the site.

By 1899, the New British Iron works has been mostly removed. In its place is Acrefair Engineering Works. Two large rectangular buildings are indicated, with the majority of the iron works buildings having been demolished and many of the tramlines having been removed. It is understood that the works produced sewage and irrigation products, including air compressing machinery and ejectors for use within sewage plants.

Additional housing was added across the local area during the early 1900s. The remaining coal shafts in the vicinity of the site were labelled as old by this time.

Little change is then noted across the area for the next 50 years or so. By the early 1960s, many of the local reservoirs are shown to have been infilled. The engineering works to the south east of the site has expanded, and additional housing has been constructed over the area formerly occupied by the iron works and coke ovens. The chemical works to the south west of the site is also shown to have expanded.

By the early 1970s, the brick and tile works to the north east of the site has been removed. All of the railway lines and tramlines have been removed from the area by this time and all of the remaining reservoirs have been infilled. New housing has been added around the site, and further houses are added through the 1980s and 1990s. The engineering works has been extended again by 1968. The chemical works has also significantly expanded by this time.

By 1977, the area north of the site, formerly occupied by small spoil heaps and shafts, is shown cleared and is labelled as opencast workings. These remain to at least 1986, after which time the area is show to have been restored to open land.

Further infill development occurred until the present day. The former railway lines and tramlines were locally infilled to reclaim the land, although significant development does not appear to have bene undertaken over these features. The engineering works remained until around 2010, after which time the buildings were demolished.

3.3 Geology

The British Geological Survey (BGS) online viewer and Geoindex Onshore mapping have been consulted. The mapping indicates the solid geology below the site to comprise strata of the Pennine Lower Coal Measures. Undifferentiated mudstone or siltstone is indicated to underlie the site.

A fault is indicated to run approximately south west to north east just to the north of the site, following the line of Bethania Road.

Superficial deposits of Glacial Till (Diamicton) are indicated to cover the area. This comprises sedimentary deposits of various composition, originating from glacial movement and meltwaters.

It is also expected that made ground will be encountered on the site, based on the historical review undertaken. Spoil heaps, expected to relate to the nearby iron works, are anticipate dot have occupied the site. The made ground may include ash and iron slag, and other waste materials form the ironmaking process. The depth of any made ground deposits is not currently known.

3.4 Hydrogeology

According to the Envirocheck, the underlying solid geology is classified as a Secondary A Aquifer. These are defined as permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers.

The superficial till deposits are classed as a Secondary undifferentiated aquifer, defined as being where it has not been possible to attribute either category A or B to a rock type. In most cases, this means that the layer in question has previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type.

The site is not located within a Groundwater Source Protection Zone.

There are no groundwater abstraction licenses granted within 500m of the site.

3.5 Hydrology

The nearest surface water feature is located 190 m north of the site. This appears to be a pond, and is unlikely to be affected by any activity on the site.

There are no surface water abstraction licenses in place within 500m of the site.

3.6 Extractive Industries

Coal Mining

The site is located within an area with a considerable mining history. The geological maps indicate one seam of coal to outcrop across the site, with a north east t o south west trend, with the outcrop being roughly central through the site, just east of the eastern edge of the access road and car park. This is expected to be the Brassey Coal, which is reported to be around 1m thick in this area. The seam was found to have been worked during previous investigations on the land on the south side of Llangollen Road (the site of the former Acrefair Engineering Works), and as many shafts were noted around the current site during the historical review, it is very possible that the seam has been worked below this site also. The seam would be expected to lie at shallow depth, and may therefore have been extracted via opencast methods or possibly bell pits. There is, however, an unknown thickness of made ground above the original ground level, which may mean that workings are now several meters below surface.

The next seam of coal expected is the Upper Yard Coal. This is indicated to outcrop around 210 m west of the site. This seam is expected to be around 700 mm thick, and again was found to have been worked during investigations on the former engineering works to the south of the current site. There is potential for this seam to have been worked below the site, given the presence of shafts to the west of the boundary, as shown on the historical mapping.

A Consultants Coal Mining Report has been obtained and is included in the Appendix. The Coal Authority has record of past underground mining in one seam of coal below the site. This is recorded as being the Firecamp Coal, at a depth of between 44 and 46 m below ground level, with an extraction thickness of 2m. The seam was last worked in 1880.

There are records of workings in three further seams in the vicinity of the site, although not directly below the site, at depths of between 60 and 90 m, last worked in 1912, with extraction thicknesses of between 60 and 110 cm. All of the seams are recorded to dip towards the east/south east at between 7 and 9°.

The Coal Authority state that there are no probable unrecorded shallow workings below the site, and that no spine roadways are recorded.

There are 22 recorded mine entries within 100 m of the site. Three of these are recorded as being on the site, one in the north eastern corner, one in the east, and one in the west, just north of the current club buildings. There are several other shafts near to the site boundaries. There are no records of any treatment for any of the shafts on or close to the site, and only one of the shafts within 100m of the site is recorded as having been treated.

The site is not situated within 500 m of a Coal Authority managed tip.

An area of unlicensed open cast workings is indicated to the north of the site. The outline of this broadly matches the area of opencast workings noted on the historical mapping in the late 1970s and 1980s.

The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres of the enquiry boundary, since 31st October 1994. The Coal Authority is not aware of any request having been made to carry out preventive works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991. The Coal Authority has no record of any mine gas emissions within 500 m of the site.

Based on the above information, the Brassey Coal is expected to outcrop on the site, dipping towards the south east. Workings may have been undertaken from surface, or at shallow depth below the eastern part of the site, although the depth to these workings is not currently known due to

the unknown thickness of the overlying spoil heaps indicated to be present. The Upper yard Coal is also expected below the site, and assuming a dip of 8° may be at around 28 m depth below the western side of the site, although this may be deeper due to the presence of made ground. Both seams have been found to have been worked in this area previously.

It is considered that an intrusive investigation will need to be carried out to confirm the depth to the Brassey and the Upper Yard Coals below the site, to confirm whether either seam has been worked and to confirm whether there is a sufficient thickness of competent rock cover above any workings. If insufficient competent cover is present, drilling and grouting could be required.

Ironstone

Bands of ironstone are recorded as being present between the coal seams in the Coal Measures strata. Information is not available as to whether the Brassey Coal and Upper Yard Coals have ironstone deposits above or below them, but unrecorded ironstone workings were identified beneath the engineering works site to the south of this one.

The proposed borehole investigation should also determine if unrecorded worked ironstone seams are present below the site.

3.7 Ground Gas

Radon

According to the Envirocheck, the site is in an intermediate probability radon area (i.e., 3% to 5% of homes are estimated to be at or above the action level). Basic radon protective measures are therefore necessary in the construction of new dwellings or extensions.

Landfill Gas

According to the Envirocheck, there are three recorded historical landfill sites on or within 250 m of the site.

The closest of these encompasses the site and the area to the areas to the south east and south west. This was licensed to Air Products Limited between 1950 and 1960, with the license allowing deposition of inert and industrial wastes, including hardcore and “solid fill”. Air Products operated the engineering works to the south during this time, and historical mapping indicates earthworks on the former ironworks spoil heaps and removal of a reservoir and tramlines prior to construction of the current sports and social club. The landfill license may therefore be related to remedial works to reclaim the land. However, the nature of the materials used to infill the reservoir and level the

remainder of the site is not currently known. A risk of landfill gas is therefore considered to be presented by this material.

The next landfill is located 40m north of the site, and was operated by Northern Strip Mining between 1981 and 1986. Deposited wastes included inert, industrial, household and special wastes. A large area is included in the landfill, similar to the opencast workings noted within the Coal Authority Report and on the historical maps. Given the inclusion of household waste within this landfill, there will be a risk of landfill gas generation presented.

The third landfill is located 150m south of the site, within the former Air Products engineering works, and was licensed between 1977 and 1991 for inert and industrial wastes (including hardcore and "Solid Fill"). This may have been for earthworks to infill the former railways lines which crossed the south western area of the works site, following closure of the line in the 1970s. A significant risk of gas migration from this feature is not expected.

Numerous areas of potentially infilled land are identified within 250 m of the site. These generally correlate with the former spoil heaps noted on the historical mapping around the various coal shafts and works buildings. These would generally be expected to be above ground features, and thus will not present a significant risk of gas migration, but some deep made ground can be expected in the vicinity of these features, especially the former spoil heaps which underlie the site.

It will be necessary to undertake gas monitoring on the site prior to constructing properties. Wells will need to be installed across the site, and a minimum of six rounds of monitoring should be undertaken. It would be prudent to allow for gas protection measures to be installed within all plots this stage for costing purposes, with at least CS2 precautions (in accordance with BDS8485:2015 +A1 2019) being assumed.

3.8 Pollution Incidents to Controlled Waters

There have been no pollution incidents to controlled waters recorded within 250 m of the site.

3.9 Discharge Consents

According to the Envirocheck, there are no discharge consents within 250 m of the site.

3.10 Local Authority Pollution Prevention and Controls

According to the Envirocheck, there is one Local Authority Pollution Prevention and Controls (LAPPC) within 250 m of the site boundary. This is located 177 m south east of the site and is associated with the former Air Products site for the coating of metal and plastic. As the works are not demolished, it is assumed that this Control is now defunct.

3.11 Flooding

According to the Envirocheck, the site does not lie within an area prone to flooding by rivers or seas, (Flood Zone 1).

Two localised areas in the centre of the are at low to medium risk (1,000 to 100-year return) of surface water flooding.

The site is also identified by the BGS as being in a location with potential for groundwater flooding to occur within property located below ground level.

A flood risk assessment is expected to be required before construction can commence.

3.12 Soil Geochemistry

The Envirocheck estimates the following concentrations of arsenic, cadmium, chromium, nickel and lead to be present in the natural soil at the site modelled from BGS urban soil chemistry point samples:

Contaminant	Estimated Concentration (mg/kg)	Assessment Value (Residential Receptor, including Homegrown Produce) (mg/kg)
Arsenic	<15	37
Cadmium	<1.8	11
Chromium	60 to 90	910
Lead	<100	200
Nickel	15 to 30	180

The concentrations of these metals are therefore not expected to be elevated within the natural ground.

3.13 Contemporary Trade Directory Entries and Fuel Station Entries

There are 2 contemporary trade directory entries recorded within 250 m of the site, both of which are listed as inactive. One was for a fragrance/perfume supplier, and the other was for the Air Products Factory, which is now demolished.

There are no fuel stations listed within 250m of the site by the Envirocheck Report.

3.14 Sensitive Land Use

The site is not within an area of sensitive land use.

There are no areas of ancient woodland or areas of outstanding natural beauty within 250 m of the site. There is a world heritage site located 115 m south of the site, comprising an aqueduct carrying a canal across the River Dee.

4.0 EXPECTED GROUND CONDITIONS

4.1 Surface Covering

The site is currently soft landscaped. Topsoil Is expected to be present, although this is expected to have been placed during previous earthworks on the site, and therefore may only be of limited thickness.

4.2 Made Ground

Made ground is expected to underlie the site, given the previous presence of slag/spoil heaps across the site, associated with a former iron works. The made ground may therefore comprise ash, slag and coke wastes from the various processes undertaken within the iron works.

A former reservoir is also expected in the south east of the site, which is indicated to have been infilled with granular materials and industrial waste.

The exact nature of the made ground below the site will need to be determined. The depth of the made ground is also unknown at present, but may be significant.

4.3 Natural Ground

The natural ground is expected to comprise strata of the Lower Coal Measures, with mudstone or siltstone anticipated to be present. This may have weathered to a firm to stiff clay in the upper layers.

The depth to the natural ground and to the bedrock is not known at present.

4.4 Groundwater

Groundwater is generally not expected to be encountered at shallow depth below the site, although perched water may be present near the base of any made ground where impermeable cohesive natural soils are below.

5.0 OUTLINE CONCEPTUAL MODEL

The site is being considered for residential development, comprising low rise housing with private gardens.

5.1 Potential Sources of Contamination

The site has been industrial in use for much of the available history. Spoil/slag heaps associated with an adjacent iron works were present form the 1800s onwards, which are expected to remain at present. The nature of the fill materials is not known, but may include ash, slag and other wastes from the iron works and associated coke ovens. Such materials may include significantly elevated metals/metalloids, PAHs or hydrocarbons.

An infilled reservoir is also anticipated in the south east of the site. This may include sediments in the lower parts, which have the potential for organic volatile and semi-volatile compounds and hydrocarbons to be present. The reservoir was infilled in around the 1960s, reportedly with granular materials. The nature of this material is not known, but may include demolition materials. Such fil may include elevated levels of metals/metalloids and PAHs, as well as potentially including asbestos containing materials.

There is not considered to be a significant risk of contaminants migrating from surrounding industrial developments, due to the topography of the area.

The natural ground is not expected to contain significant levels of contaminates.

5.2 Ground Gas

Radon precautions are not required for the development.

The site is classed as a landfill, which is suspected to relate to works to construct the current sports and social club. However, deep made ground is also expected to be present, remaining from the former spoil heaps. The land to the north of the site is also classed as a landfill, and was licensed to accept household waste, amongst other types.

It is considered that there is a risk of landfill gas generation/migration presented and gas monitoring will be required prior to development.

5.3 Potential Pollutant Linkages

The following table details the possible sources and associated contaminants of concern, pathways and receptors:

Source	Potential Contaminants	Potential Pathways	Potential Receptors
• Made Ground – former spoil heaps and infilled reservoir	• Metals/metalloids • PAHs • Asbestos fibres • Petroleum hydrocarbons • VOCs/SVOCs	• Ingestion • Inhalation • Direct contact • Migration through the ground	• Site construction workers • Residents and future visitors to the site • Plants • Secondary A Aquifer/ Secondary undifferentiated aquifer • Water supply pipes
• Made Ground and natural ground	• Sulphates	• Direct contact	• Subsurface concrete
• Made Ground	• Ground gases (carbon dioxide and methane).	• Inhalation	• Residents and future visitors to the site

5.4 Remedial Measures

At this stage it is considered that you make allowance for the following:

- A gas-resistant membrane to be installed across the ground floor of all plots to Characteristic Situation 2 standards (in accordance with BS8485 (2015) + A1 (2019). the level of gas protection required is to be confirmed following the completion of gas monitoring, with a minimum of six rounds required.
- Precast concrete floors with a 250 mm underlying ventilated void for all plots
- A minimum of 600mm of inert capping within any proposed gardens or areas of soft landscaping;
- A minimum DS-3 AC-3 level of sulphate precautions for below ground concrete structures in made ground, which is to be confirmed through chemical testing of the soils; and
- Suitably resistant water supply pipes where made ground is present.

6.0 GEOTECHNICAL APPRAISAL

6.1 General

The site is expected to be underlain by made ground, potentially to significant depth. This is expected to have been loosely tipped and is unlikely to have been placed in an engineered fashion.

The fill material may potentially include cobbles and boulders of various materials, but may also potentially include slag materials, which may potentially be expansive.

Mudstone or siltstone bedrock is expected below the fill materials, although the depth to rockhead will need to be confirmed.

Three shafts are recorded to be present below the site, two of these below the area in which houses are to be constructed. The shafts will need to be located and investigated to ensure their stability. This may involve drilling and grouting the shafts for their full depth, and constructing a reinforced concrete cap over the top of the shaft at rockhead. The housing layout should avoid placing plots directly above the shafts.

The site is also potentially affected by shallow mine workings in two seams of coal, and potentially also in shallow ironstone seams. Rotary drilling will be required to confirm the depth and thickness of any seams present. If these are within influencing depth of foundation, drilling and grouting will be required.

The Brassey Coal is also expected to outcrop in the east of the site, below the made ground. It is possible that older bell pit or opencast workings may have been undertaken around the outcrop prior to placement of the spoil heaps.

It is not expected that groundwater will be present at shallow depth, although the filled ground may contain pockets or perched water.

6.2 Foundations

Due to the anticipated depth of made ground below the site it is generally expected at this stage that piled foundations will be required for all plots, taken through the made ground into competent bedrock. The depth to bedrock will need to be confirmed in order that pile length can be estimated.

If the depth of made ground is not significant, traditional strip or trench fill footings may be suitable.

6.3 Ground Slabs

Given expected requirement for piled foundations and gas protective measures, it is anticipated that precast concrete floors will be necessary.

6.4 Superstructure Precautions

Additional superstructure precautions such as masonry reinforcement above door and window openings may be required.

6.5 Obstructions & Excavation Problems

At this stage, it should be assumed that obstructions will be present within the made ground such as cobbles and boulders. Contingency for pre-drilling pile positions should be considered at this stage.

The stability of excavations may be poor within made ground or in the superficial alluvium. Temporary support will be required in accordance with current Health & Safety Regulations wherever access is required to trenches deeper than 1.2 m or less where there is risk of collapse.

6.6 Surface Water Drainage

It is not expected that soakaway drainage will be suitable for this site, due to the expected ground conditions (made ground overlying cohesive alluvial deposits). Surface water is therefore expected to discharge into the local sewer network. On site attenuation is expected to be required. Greenfield run off rates may be applied, due to the lack of previous development on the site.

7.0 RECOMMENDATIONS FOR FURTHER WORK

Before more definite information regarding the properties of the ground and any contamination present can be given, an intrusive investigation will be required.

A phased investigation approach may be required, due to the relatively unknown ground conditions below the site. The excavation of trial pits using a mechanical excavator would be the first stage, with trial pits spread across the site and excavated as deep as possible to determine if the base of the made ground can be identified. The trial pits will also allow a large volume of soil to be viewed, to be able to confirm its constituents and to asses its level of compaction, and any visual or olfactory evidence of contamination.

The next phase of works may be to undertake cable percussion boreholes, with in-situ SPT tests to confirm the depth of fill (assuming this was not established by the trial pitting) and to confirm the density of the material.

Rotary boreholes would then be undertaken to confirm the depth and presence of any coal or ironstone seams below the site. A minimum of six boreholes to 30-40m depth would be recommended. Core recovery of the bedrock may be necessary in some positions, to allow subsequent laboratory strength testing to assist with pile design.

Gas monitoring wells should be installed within the boreholes. A minimum of six wells should be installed across the site, which should be monitored on at least six occasions across a three-month period. Additional visits could be required, depending on the initial results.

Soil analysis is recommended to confirm the conclusions made in Section 5. The chemical testing suite should be chosen to cover the range of potential contaminants indicated. Geotechnical testing is also recommended to ascertain the volume change potential of any cohesive soils.

APPENDIX

Envirocheck

Consultants Coal Mining Report

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
280320239_1_1

Customer Reference:
46202

National Grid Reference:
327920, 343300

Slice:
A

Site Area (Ha):
1.31

Search Buffer (m):
1000

Site Details:

Site at 327910, 343310

Client Details:

Ms K Shore
Eastwood & Partners Ltd
St Andrews House
23 Kingfield Road
Sheffield
S11 9AS

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Contents

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	39
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Data Suppliers	81
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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

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 2				15
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices	pg 6			3	
Integrated Pollution Controls	pg 6			23	
Integrated Pollution Prevention And Control	pg 9			20	
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 15		1		1
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 15		Yes		
Pollution Incidents to Controlled Waters	pg 15		2	1	26
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 20				2
River Quality Biology Sampling Points	pg 21				1
River Quality Chemistry Sampling Points	pg 22				1
Substantiated Pollution Incident Register	pg 22				1
Water Abstractions	pg 23				1 (*10)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 25	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 26	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 26	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 26		3	14	90

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 39	1	2	1	4
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage		1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites	pg 40	1		1	
Potentially Infilled Land (Non-Water)	pg 41	2	3	16	18
Potentially Infilled Land (Water)	pg 43		2		11
Registered Landfill Sites	pg 44		2	1	3
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)	pg 46			3	
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)	pg 46			1	
Planning Hazardous Substance Consents	pg 46			5	4
Planning Hazardous Substance Enforcements					

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 48	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 48	Yes			Yes
BGS Recorded Mineral Sites	pg 49		5	24	34
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 61	Yes	n/a	n/a	n/a
Mining Instability	pg 61	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 61	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 61	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 62	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 62	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 62	Yes		n/a	n/a
Radon Potential - Radon Affected Areas	pg 62	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures	pg 62	Yes	n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 63		2	10	35
Fuel Station Entries	pg 67			1	
Points of Interest - Commercial Services	pg 67			7	4
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 68		3	7	17
Points of Interest - Public Infrastructure	pg 70			5	10
Points of Interest - Recreational and Environmental	pg 71			3	7
Gas Pipelines					
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 73				10
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty	pg 73				1
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites	pg 73		2		2

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	0	1	327950 343297
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	0	1	327925 343297
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (SW)	0	1	327900 343250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (S)	57	1	327950 343150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	68	1	328000 343150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (E)	85	1	328050 343250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	138	1	328150 343250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	157	1	327950 343050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	184	1	328150 343297
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	198	1	328150 343400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (S)	208	1	327925 343000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (S)	217	1	327900 343000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A18SE (N)	282	1	328050 343650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	284	1	328250 343250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	308	1	327925 342900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	314	1	327900 342900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (N)	318	1	328000 343700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (NE)	331	1	328150 343650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	338	1	328300 343350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	346	1	328300 343400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (N)	364	1	327950 343750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	404	1	328350 343450

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	A8NW (S)	412	1	327900 342800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A14NW (NE)	417	1	328350 343500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	471	1	327850 342750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	486	1	327800 342750
1	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Cefn Monsanto - Sso, Ll14 3sn Authority: Natural Resources Wales Catchment Area: TREFNANT BROOK Reference: Cm0175201 Permit Version: 2 Effective Date: 8th September 2010 Issued Date: 8th September 2010 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Tref Y Nant Brook **Status:** **Effective** Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	514	2	327500 342900
1	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Cefn Monsanto - Sso, Ll14 3sn Authority: Natural Resources Wales Catchment Area: TREFNANT BROOK Reference: Cm0175201 Permit Version: 2 Effective Date: 8th September 2010 Issued Date: 8th September 2010 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Tref Y Nant Brook **Status:** **Effective** Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	514	2	327500 342900
1	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Cefn Monsanto - Sso, Ll14 3sn Authority: Natural Resources Wales Catchment Area: River Dee Reference: CM0175201 Permit Version: 1 Effective Date: 20th October 1989 Issued Date: 20th October 1989 Revocation Date: 7th September 2010 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Tref Y Nant Brook **Status:** **New Consent, by Application (Water Resources Act 1991, Section 88)** Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	514	2	327500 342900

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: Cefn Monsanto Cso, Nr Rubber Factory, Aber-Nant, Cefn Mawr, Wrexham, Ll14 3sn Authority: Natural Resources Wales Catchment Area: TREFNANT BROOK Reference: Cm0175201 Permit Version: 3 Effective Date: 17th December 2019 Issued Date: 17th December 2019 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Tref Y Nant Brook **Status: Effective** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	526	2	327530 342857
3	**Discharge Consents** Operator: Mr Trevor Evans Property Type: Domestic Property (Single) Location: Penybryn Cottage Bowers Road Acrefa, Bowers Road Acrefair Wrexham Authority: Natural Resources Wales Catchment Area: River Dee Reference: CM0024901 Permit Version: 1 Effective Date: 17th October 1964 Issued Date: 17th October 1964 Revocation Date: Not Supplied Discharge Type: Unspecified Discharge Environment: Freshwater Stream/River Receiving Water: Un-Named W'Course Flow.To Tref **Status: New Consent, by Application (Water Resources Act 1991, Section 88)** Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	584	2	327400 343700
4	**Discharge Consents** Operator: Clwyd County Council Property Type: Education Location: Rhosymedre County Junior Schoo Authority: Natural Resources Wales Catchment Area: River Dee Reference: Cm0037301 Permit Version: 1 Effective Date: 7th November 1966 Issued Date: 7th November 1966 Revocation Date: 5th April 1995 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: Un-Named Trib. Of Dee **Status: Consent expired** Positional Accuracy: Located by supplier to within 100m	A9NE (SE)	707	2	328600 342900
5	**Discharge Consents** Operator: Wrexham Maelor Borough Council Property Type: Undefined Or Other Location: Trefynant Park Trefor Near Wrexham Authority: Natural Resources Wales Catchment Area: River Dee Reference: Cm0084501 Permit Version: 1 Effective Date: 8th January 1979 Issued Date: 8th January 1979 Revocation Date: 6th January 1993 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: Trefynant Brook **Status: Consent expired** Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	717	2	327230 342930

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	**Discharge Consents** Operator: Wrexham Maelor Borough Council Property Type: Undefined Or Other Location: Wrexham Acrefair Plas Madoc Leisure, Acrefair Plas Madoc Leisure Ctr., Plas Madoc Leisure Ctr.Swimm.P Authority: Natural Resources Wales Catchment Area: River Dee Reference: Cm0082801 Permit Version: 1 Effective Date: 13th April 1977 Issued Date: 13th April 1977 Revocation Date: 11th July 1991 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: Un-Named Trib. Of Dee **Status: Consent expired** Positional Accuracy: Located by supplier to within 100m	A14NE (E)	734	2	328700 343300
7	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Cso At Rear Hamden Way Plas Madoc, Nr Rhosymedre Primary School, Cefn Mawr, Wrexham, Ll14 3eg Authority: Natural Resources Wales Catchment Area: DEE - CEIRIOG TO ALWEN Reference: Cg0355501 Permit Version: 2 Effective Date: 31st October 2019 Issued Date: 31st October 2019 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Tributary Of The River Dee **Status: Effective** Positional Accuracy: Located by supplier to within 10m	A14SE (E)	748	2	328702 343088
8	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Rear Hamden Way Plas Madoc Authority: Natural Resources Wales Catchment Area: DEE - CEIRIOG TO ALWEN Reference: CG0355501 Permit Version: 1 Effective Date: 21st July 1994 Issued Date: 21st July 1994 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Tributary Of The River Dee **Status: Effective** Positional Accuracy: Located by supplier to within 100m	A14SE (E)	819	2	328775 343100
8	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Rear Hamden Way Plas Madoc Authority: Natural Resources Wales Catchment Area: DEE - CEIRIOG TO ALWEN Reference: Cg0355501 Permit Version: 1 Effective Date: 21st July 1994 Issued Date: 21st July 1994 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Tributary Of The River Dee **Status: Effective** Positional Accuracy: Located by supplier to within 10m	A14SE (E)	819	2	328775 343100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Park Road Rhosymedre Authority: Natural Resources Wales Catchment Area: DEE - CEIRIOG TO ALWEN Reference: CG0360601 Permit Version: 1 Effective Date: 21st July 1994 Issued Date: 21st July 1994 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dee Tributary **Status: Effective** Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	844	2	328560 342610
9	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Park Road Rhosymedre Authority: Natural Resources Wales Catchment Area: DEE - CEIRIOG TO ALWEN Reference: Cg0360601 Permit Version: 1 Effective Date: 21st July 1994 Issued Date: 21st July 1994 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dee Tributary **Status: Effective** Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	844	2	328560 342610
10	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Rhosymedre Park Rd Cso, Church St, Cefn-Mawr, Wrexham, Ll14 3ef Authority: Natural Resources Wales Catchment Area: DEE - CEIRIOG TO ALWEN Reference: Cg0360601 Permit Version: 2 Effective Date: 24th September 2019 Issued Date: 24th September 2019 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dee Tributary **Status: Effective** Positional Accuracy: Located by supplier to within 10m	A9SE (SE)	915	2	328624 342574
11	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Trefor Isaf - Cso, Mill Lane, Trefor Isaf, Cefn Mawr, Ll14 3np Authority: Natural Resources Wales Catchment Area: TREFNANT BROOK Reference: Cm0172401 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 Environment: Freshwater Stream/River Receiving Water: Tref Y Nant Brook **Status: Effective** Positional Accuracy: Located by supplier to within 10m	A8SW (S)	967	2	327607 342309
12	**Prosecutions Relating to Controlled Waters** Location: Tref-Y-Nant Brook, Ruabon Works, Cefn Mawr, Wrexham, Ll14 3sl Prosecution Text: A Corroded Storage Tank Spilled 225 Tonnes Of Acidic Effluent Into The Nearby Watercourse Prosecution Act: Wra91 S85(1) & S85(6) Hearing Date: 14th August 2003 Verdict: Guilty Fine: 10000 Cost: 6800 Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	676	3	327498 342694

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	**Enforcement and Prohibition Notices** Location: Ruabon Works, Cefn Mawr, NR WREXHAM, Clwyd, LL14 3SL Permit Reference: Not Given Enforcement Date: 1st March 1995 Details: Press Release HM158, Unauthorised release of Hydrogen Sulphide and Carbon Disulphide due to a fractured pipe; under EPA90. Positional Accuracy: Automatically positioned to the address	A8NW (SW)	477	3	327642 342840
13	**Enforcement and Prohibition Notices** Location: Ruabon Works, Cefn Mawr, NR WREXHAM, Clwyd, LL14 3SL Permit Reference: Not Given Enforcement Date: 15th February 1995 Details: Press Release HM145, Exceeded release levels of cresol on two separate occasions; under EPA90. Positional Accuracy: Automatically positioned to the address	A8NW (SW)	480	3	327637 342840
13	**Enforcement and Prohibition Notices** Location: Ruabon Works, Cefn Mawr, NR WREXHAM, Clwyd, LL14 3SL Permit Reference: Not Given Enforcement Date: 2nd February 1995 Details: Press Release HM137, Exceeded authorised limits for ammonia and suspended solids, into the River Dee; under EPA90. Positional Accuracy: Automatically positioned to the address	A8NW (SW)	482	3	327632 342840
14	**Integrated Pollution Controls** Name: Solutia Uk Ltd Location: Acrefair, Ruabon Works, Cefn Mawr, WREXHAM, Clwyd, LL14 3SL Authority: Environment Agency, Welsh Region Permit Reference: AK5776 Dated: 16th February 1994 Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation Description: 4.2 A (C) Manufacture and use of Organic Chemicals within the Chemical Industry **Status: Authorisation certificate surrendered by operator** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	472	3	327652 342840
14	**Integrated Pollution Controls** Name: Flexsys Rubber Chemicals Ltd Location: Acrefair, Ruabon Works, Cefn Mawr, WREXHAM, Clwyd, LL14 3SL Authority: Environment Agency, Welsh Region Permit Reference: AL7618 Dated: 1st June 1994 Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation Description: 4.4 A (B) processes involving Halogens within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	478	3	327647 342836
14	**Integrated Pollution Controls** Name: Flexsys Rubber Chemicals Ltd Location: Acrefair, Ruabon Works, Cefn Mawr, WREXHAM, Clwyd, LL14 3SL Authority: Environment Agency, Welsh Region Permit Reference: AN9000 Dated: 28th November 1994 Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation Description: 4.5 A (B) Inorganic Chemical processes within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	481	3	327642 342836
14	**Integrated Pollution Controls** Name: Flexsys Rubber Chemicals Ltd Location: Acrefair, Ruabon Works, Cefn Mawr, WREXHAM, Clwyd, LL14 3SL Authority: Environment Agency, Welsh Region Permit Reference: BH0810 Dated: 31st August 2000 Process Type: IPC major (substantial) variation Description: 4.2 A (C) Manufacture and use of Organic Chemicals within the Chemical Industry **Status: Revoked - Now IPPC** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	483	3	327647 342831
14	**Integrated Pollution Controls** Name: Flexsys Rubber Chemicals Ltd Location: Acrefair, Ruabon Works, Cefn Mawr, WREXHAM, Clwyd, LL14 3LX Authority: Environment Agency, Welsh Region Permit Reference: AY1242 Dated: 2nd July 1997 Process Type: IPC major (substantial) variation Description: 4.5 A (B) Inorganic Chemical processes within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	483	3	327637 342836

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	**Integrated Pollution Controls** Name: Flexsys Rubber Chemicals Ltd Location: Acrefair, Ruabon Works, Cefn Mawr, WREXHAM, Clwyd, LL14 3SL Authority: Environment Agency, Welsh Region Permit Reference: AK5784 Dated: 23rd February 1994 Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	483	3	327647 342831
14	**Integrated Pollution Controls** Name: Flexsys Rubber Chemicals Ltd Location: Ruabon Works, Cefn Mawr, WREXHAM, Clwyd, LL14 3SL Authority: Environment Agency, Welsh Region Permit Reference: Bv4070 Dated: 6th August 2003 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry **Status: Revoked - Now IPPC** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	485	3	327642 342831
14	**Integrated Pollution Controls** Name: Flexsys Rubber Chemicals Ltd Location: Ruabon Works, Cefn Mawr, WREXHAM, Clwyd, LL14 3SL Authority: Environment Agency, Welsh Region Permit Reference: BI5008 Dated: 20th March 2003 Process Type: IPC major (substantial) variation Description: 4.5 A (B) Inorganic Chemical processes within the Chemical Industry **Status: Revoked - Now IPPC** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	485	3	327642 342831
14	**Integrated Pollution Controls** Name: Flexsys Rubber Chemicals Ltd Location: Ruabon Works, Cefn Mawr, WREXHAM, Clwyd, LL14 3SL Authority: Environment Agency, Welsh Region Permit Reference: BI6454 Dated: 31st August 2001 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.4 A (B) processes involving Halogens within the Chemical Industry **Status: Revoked - Now IPPC** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	485	3	327642 342831
14	**Integrated Pollution Controls** Name: Flexsys Rubber Chemicals Ltd Location: Ruabon Works, Cefn Mawr, Wrexham, Clwyd, LL14 3SL Authority: Environment Agency, Welsh Region Permit Reference: Bj8774 Dated: 21st May 2001 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.4 A (B) processes involving Halogens within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	485	3	327642 342831
14	**Integrated Pollution Controls** Name: Flexsys Rubber Chemicals Ltd Location: Ruabon Works, Cefn Mawr, Wrexham, Clwyd, LL14 3SL Authority: Environment Agency, Welsh Region Permit Reference: Bj5198 Dated: 30th November 2000 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.5 A (B) Inorganic Chemical processes within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	485	3	327642 342831
14	**Integrated Pollution Controls** Name: Flexsys Rubber Chemicals Ltd Location: Ruabon Works, Cefn Mawr, Wrexham, Clwyd, LL14 3SL Authority: Environment Agency, Welsh Region Permit Reference: Bj0951 Dated: 31st August 2000 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.4 A (B) processes involving Halogens within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	485	3	327642 342831

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	**Integrated Pollution Controls** Name: Flexsys Rubber Chemicals Ltd Location: Acrefair, Ruabon Works, Cefn Mawr, WREXHAM, Clwyd, LL14 3SL Authority: Environment Agency, Welsh Region Permit Reference: AK5750 Dated: 23rd February 1994 Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation Description: 4.2 A (C) Manufacture and use of Organic Chemicals within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	485	3	327642 342831
14	**Integrated Pollution Controls** Name: Flexsys Rubber Chemicals Ltd Location: Acrefair, Ruabon Works, Cefn Mawr, WREXHAM, Clwyd, LL14 3SL Authority: Environment Agency, Welsh Region Permit Reference: AA2127 Dated: 2nd April 1992 Process Type: IPC new application Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry **Status: Authorisation certificate surrendered by operator** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	485	3	327642 342831
14	**Integrated Pollution Controls** Name: Flexsys Rubber Chemicals Ltd Location: Acrefair, Ruabon Works, Cefn Mawr, WREXHAM, Clwyd, LL14 3SL Authority: Environment Agency, Welsh Region Permit Reference: AK5792 Dated: 16th February 1994 Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation Description: 4.2 A (C) Manufacture and use of Organic Chemicals within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	487	3	327647 342826
14	**Integrated Pollution Controls** Name: Flexsys Rubber Chemicals Ltd Location: Ruabon Works, WREXHAM, Clwyd, LL14 3LX Authority: Environment Agency, Welsh Region Permit Reference: BD8738 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.5 A (B) Inorganic Chemical processes within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	488	3	327637 342831
14	**Integrated Pollution Controls** Name: Flexsys Rubber Chemicals Ltd Location: Ruabon Works, WREXHAM, Clwyd, LL14 3LX Authority: Environment Agency, Welsh Region Permit Reference: BC6756 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (C) Manufacture and use of Organic Chemicals within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	489	3	327652 342821
14	**Integrated Pollution Controls** Name: Flexsys Rubber Chemicals Ltd Location: Acrefair, Ruabon Works, Cefn Mawr, WREXHAM, Clwyd, LL14 3SL Authority: Environment Agency, Welsh Region Permit Reference: AK5768 Dated: 21st February 1994 Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation Description: 4.2 A (C) Manufacture and use of Organic Chemicals within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	489	3	327642 342826
14	**Integrated Pollution Controls** Name: Flexsys Rubber Chemicals Ltd Location: Acrefair, Ruabon Works, Cefn Mawr, WREXHAM, Clwyd, LL14 3SL Authority: Environment Agency, Welsh Region Permit Reference: AB5709 Dated: 3rd March 1992 Process Type: IPC new application Description: 4.2 A (C) Manufacture and use of Organic Chemicals within the Chemical Industry **Status: Authorisation certificate surrendered by operator** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	490	3	327642 342826

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	**Integrated Pollution Controls** Name: Flexsys Rubber Chemicals Ltd Location: Ruabon Works, WREXHAM, Clwyd, LL14 3LX Authority: Environment Agency, Welsh Region Permit Reference: BC6764 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (C) Manufacture and use of Organic Chemicals within the Chemical Industry **Status: Revoked - Now IPPC** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	491	3	327647 342821
14	**Integrated Pollution Controls** Name: Flexsys Rubber Chemicals Ltd Location: Ruabon Works, WREXHAM, Clwyd, LL14 3LX Authority: Environment Agency, Welsh Region Permit Reference: BC7612 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.4 A (B) processes involving Halogens within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	492	3	327637 342826
14	**Integrated Pollution Controls** Name: Flexsys Rubber Chemicals Ltd Location: Ruabon Works, WREXHAM, Clwyd, LL14 3LX Authority: Environment Agency, Welsh Region Permit Reference: BC6772 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	494	3	327642 342821
14	**Integrated Pollution Controls** Name: Flexsys Rubber Chemicals Ltd Location: Ruabon Works, WREXHAM, Clwyd, LL14 3LX Authority: Environment Agency, Welsh Region Permit Reference: BC6799 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (C) Manufacture and use of Organic Chemicals within the Chemical Industry **Status: Authorisation revoked** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	496	3	327637 342821
15	**Integrated Pollution Prevention And Control** Name: Air Products Electronics Advanced Materials Europe Limited Location: Ruabon Chemical Works, Ruabon Works, Cefn Mawr, WREXHAM, Clwyd, LL14 3SL Authority: Natural Resources Wales Permit Reference: UP3838AC Original Permit Ref: Bv2689ie Effective Date: 14th July 2015 **Status: Surrender Effective** Application Type: Surrender App. Sub Type: Whole Positional Accuracy: Automatically positioned to the address Activity Code: 4.2 A(1) (A) (V) Activity Description: Inorganic Chemicals; Non Metals Etc Eg Calcium Carbide Primary Activity: Y Activity Code: 5.4 A(1) a) (ii) Activity Description: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Primary Activity: N Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N	A8NW (SW)	485	2	327642 342831

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	**Integrated Pollution Prevention And Control** Name: Dupont Air Products Nanomaterials Limited Location: Ruabon Chemical Works Eaeprbv2689iev003, Ruabon Works, Cefn Mawr,, Wrexham, Clwyd, LL14 3SL Authority: Natural Resources Wales Permit Reference: TP3836KW Original Permit Ref: Fp3939kf Effective Date: 15th June 2010 **Status:** **Revoked** Application Type: Variation App. Sub Type: Simple Standard Variation Positional Accuracy: Automatically positioned to the address Activity Code: 4.1 A(1) (A) (III) Activity Description: Organic Chemicals; Sulphur Containing Compounds Eg Sulphides Primary Activity: Y	A8NW (SW)	485	2	327642 342831
15	**Integrated Pollution Prevention And Control** Name: Air Products Electronics Advanced Materials Europe Limited Location: Ruabon Chemical Works Eaeprbv2689iev003, Ruabon Works, Cefn Mawr, WREXHAM, Clwyd, LL14 3SL Authority: Natural Resources Wales Permit Reference: KP3536KS Original Permit Ref: Bv2689ie Effective Date: 7th May 2010 **Status:** **Superseded By Variation** Application Type: Variation App. Sub Type: Standard Positional Accuracy: Automatically positioned to the address Activity Code: 4.2 A(1) (A) (V) Activity Description: Inorganic Chemicals; Non Metals Etc Eg Calcium Carbide Primary Activity: Y Activity Code: 5.3 A(1) (C) (II) Activity Description: Other Waste Disposal; Non-Hazardous Waste >50T/D By Physico-Chemical Treatment Primary Activity: N	A8NW (SW)	485	2	327642 342831
15	**Integrated Pollution Prevention And Control** Name: Dupont Air Products Nanomaterials Limited Location: Ruabon Chemical Works Eaeprbv2689iev004, Ruabon Works, Cefn Mawr, WREXHAM, Clwyd, LL14 3SL Authority: Natural Resources Wales Permit Reference: GP3539KM Original Permit Ref: Bv2689ie Effective Date: 1st September 2009 **Status:** **Superseded By Variation** Application Type: Variation App. Sub Type: Standard Positional Accuracy: Automatically positioned to the address Activity Code: 4.2 A(1) (A) (V) Activity Description: Inorganic Chemicals; Non Metals Etc Eg Calcium Carbide Primary Activity: Y	A8NW (SW)	485	2	327642 342831
15	**Integrated Pollution Prevention And Control** Name: Flexsys Rubber Chemicals Ltd Location: Ruabon Chemical Works, Ruabon Works, Cefn Mawr,, Wrexham, Clwyd, LL14 3SL Authority: Natural Resources Wales Permit Reference: EP3738GP Original Permit Ref: Bq4173ik Effective Date: 19th January 2009 **Status:** **Superseded By Variation** Application Type: Variation App. Sub Type: Standard Positional Accuracy: Automatically positioned to the address Activity Code: 4.1 A(1) (A) (II) Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols Primary Activity: N Activity Code: 4.1 A(1) (A) (III) Activity Description: Organic Chemicals; Sulphur Containing Compounds Eg Sulphides Primary Activity: Y Activity Code: 4.2 A(1) (A) (V) Activity Description: Inorganic Chemicals; Non Metals Etc Eg Calcium Carbide Primary Activity: N Activity Code: 4.1 A(1) (A) (VI) Activity Description: Organic Chemicals; Halogen Containg Compounds Eg Halocarbons Primary Activity: N	A8NW (SW)	485	2	327642 342831

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	**Integrated Pollution Prevention And Control** Name: Clariant Uk Ltd Location: Ruabon Chemical Works, Ruabon Works, Cefn Mawr, WREXHAM, Clwyd, LL14 3SL Authority: Natural Resources Wales Permit Reference: CP3833XG Original Permit Ref: Bv1950iq Effective Date: 17th December 2008 **Status:** **Surrender Effective** Application Type: Surrender App. Sub Type: Whole Positional Accuracy: Automatically positioned to the address Activity Code: 4.1 A(1) (A) (II) Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols Primary Activity: Y	A8NW (SW)	485	2	327642 342831
15	**Integrated Pollution Prevention And Control** Name: Dupont Air Products Nanomaterials Limited Location: Ruabon Works, Cefn Mawr, Wrexham, Clwyd, LL14 3SL Authority: Natural Resources Wales Permit Reference: YP3931MV Original Permit Ref: Bv2689ie Effective Date: 6th June 2007 **Status:** **Superseded By Variation** Application Type: Variation App. Sub Type: Simple Standard Variation Positional Accuracy: Automatically positioned to the address Activity Code: 4.2 A(1) (A) (V) Activity Description: Inorganic Chemicals; Non Metals Etc Eg Calcium Carbide Primary Activity: Y	A8NW (SW)	485	2	327642 342831
15	**Integrated Pollution Prevention And Control** Name: Flexsys Rubber Chemicals Ltd Location: Ruabon Works, Cefn Mawr, Wrexham, Clwyd, LL14 3SL Authority: Natural Resources Wales Permit Reference: DP3232MG Original Permit Ref: Bq4173ik Effective Date: 24th May 2007 **Status:** **Superseded By Variation** Application Type: Variation App. Sub Type: Simple Standard Variation Positional Accuracy: Automatically positioned to the address Activity Code: 4.1 A(1) (A) (II) Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols Primary Activity: N Activity Code: 4.2 A(1) (A) (V) Activity Description: Inorganic Chemicals; Non Metals Etc Eg Calcium Carbide Primary Activity: N Activity Code: 4.1 A(1) (A) (VI) Activity Description: Organic Chemicals; Halogen Containg Compounds Eg Halocarbons Primary Activity: N Activity Code: 4.1 A(1) (A) (III) Activity Description: Organic Chemicals; Sulphur Containing Compounds Eg Sulphides Primary Activity: Y	A8NW (SW)	485	2	327642 342831
15	**Integrated Pollution Prevention And Control** Name: Flexsys Rubber Chemicals Ltd Location: Ruabon Chemical Works Ea/Epr/Bq4173ik/V005, Ruabon Works, Cefn Mawr,, Wrexham, Clwyd, LL14 3SL Authority: Natural Resources Wales Permit Reference: Bq4173ik Original Permit Ref: Bq4173ik Effective Date: 13th April 2004 **Status:** **Superseded By Variation** Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 4.1 A(1) (A) (III) Activity Description: Organic Chemicals; Sulphur Containing Compounds Eg Sulphides Primary Activity: Y	A8NW (SW)	485	2	327642 342831

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	**Integrated Pollution Prevention And Control** Name: Clariant Uk Ltd Location: Ruabon Works, Cefn Mawr, Wrexham, Clwyd, LL14 3SL Authority: Natural Resources Wales Permit Reference: Bv1950iq Original Permit Ref: Bv1950iq Effective Date: 13th April 2004 **Status:** **Superseded By Variation** Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 4.1 A(1) (A) (II) Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols Primary Activity: Y	A8NW (SW)	485	2	327642 342831
15	**Integrated Pollution Prevention And Control** Name: Dupont Air Products Nanomaterials Limited Location: Ruabon Works, Cefn Mawr, Wrexham, Clwyd, LL14 3SL Authority: Natural Resources Wales Permit Reference: Bv2689ie Original Permit Ref: Bv2689ie Effective Date: 13th April 2004 **Status:** **Superseded By Variation** Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 4.2 A(1) (A) (V) Activity Description: Inorganic Chemicals; Non Metals Etc Eg Calcium Carbide Primary Activity: Y	A8NW (SW)	485	2	327642 342831
15	**Integrated Pollution Prevention And Control** Name: Ruabon Chemical Works Location: Ruabon Chemical Works Ea/Epr/Np3335gr/T001, Ruabon Works, Cefn Mawr,, Wrexham, Clwyd, LL14 3SL Authority: Natural Resources Wales Permit Reference: NP3335GR Original Permit Ref: Np3531zh Effective Date: 28th November 2017 **Status:** **Effective** Application Type: Bespoke App. Sub Type: Not Supplied Positional Accuracy: Located by supplier to within 10m Activity Code: 5.4 PART A (1) A) (II) Activity Description: Not Supplied Primary Activity: Y	A8NW (SW)	487	2	327640 342830
15	**Integrated Pollution Prevention And Control** Name: Solutia Uk Ltd Location: Ruabon Chemical Works Epr/Np3335gr/V007, Ruabon Works, Cefn Mawr,, Wrexham, Clwyd, LL14 3SL Authority: Natural Resources Wales Permit Reference: NP3531ZH Original Permit Ref: Np3335gr Effective Date: 25th March 2013 **Status:** **Effective** Application Type: Variation App. Sub Type: Minor Positional Accuracy: Located by supplier to within 10m Activity Code: 5.4 A(1) a) (ii) Activity Description: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Primary Activity: Y	A8NW (SW)	487	2	327640 342830

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	**Integrated Pollution Prevention And Control** Name: Air Products Electronics Advanced Materials Europe Limited Location: Ruabon Chemical Works, Ruabon Works, Cefn Mawr, WREXHAM, Clwyd, LL14 3SL Authority: Natural Resources Wales Permit Reference: UP3731ZY Original Permit Ref: Bv2689ie Effective Date: 22nd March 2013 **Status:** **Superseded By Variation** Application Type: Variation App. Sub Type: Minor Positional Accuracy: Located by supplier to within 10m Activity Code: 4.2 A(1) (A) (V) Activity Description: Inorganic Chemicals; Non Metals Etc Eg Calcium Carbide Primary Activity: Y Activity Code: 5.4 A(1) a) (ii) Activity Description: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Primary Activity: N Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N	A8NW (SW)	487	2	327640 342830
15	**Integrated Pollution Prevention And Control** Name: Solutia Uk Ltd Location: Ruabon Chemical Works Ea/Epr/Np3335gr/T001, Ruabon Works, Cefn Mawr,, Wrexham, Clwyd, LL14 3SL Authority: Natural Resources Wales Permit Reference: NP3437CY Original Permit Ref: Np3335gr Effective Date: 26th October 2012 **Status:** **Superseded By Variation** Application Type: Variation App. Sub Type: Minor Positional Accuracy: Located by supplier to within 10m Activity Code: 4.1 A(1) (A) (III) Activity Description: Organic Chemicals; Sulphur Containing Compounds Eg Sulphides Primary Activity: Y Activity Code: 4.2 A(1) (A) (V) Activity Description: Inorganic Chemicals; Non Metals Etc Eg Calcium Carbide Primary Activity: N Activity Code: 4.1 A(1) (A) (II) Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols Primary Activity: N Activity Code: 4.1 A(1) (A) (VI) Activity Description: Organic Chemicals; Halogen Containg Compounds Eg Halocarbons Primary Activity: N	A8NW (SW)	487	2	327640 342830
15	**Integrated Pollution Prevention And Control** Name: Solutia Uk Ltd Location: Ruabon Chemical Works Ea/Epr/Np3335gr/T001, Ruabon Works, Cefn Mawr,, Wrexham, Clwyd, LL14 3SL Authority: Natural Resources Wales Permit Reference: YP3534TY Original Permit Ref: Np3335gr Effective Date: 3rd November 2010 **Status:** **Superseded By Variation** Application Type: Variation App. Sub Type: Minor Positional Accuracy: Located by supplier to within 10m Activity Code: 4.1 A(1) (A) (II) Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols Primary Activity: N Activity Code: 4.1 A(1) (A) (III) Activity Description: Organic Chemicals; Sulphur Containing Compounds Eg Sulphides Primary Activity: Y Activity Code: 4.1 A(1) (A) (VI) Activity Description: Organic Chemicals; Halogen Containg Compounds Eg Halocarbons Primary Activity: N Activity Code: 4.2 A(1) (A) (V) Activity Description: Inorganic Chemicals; Non Metals Etc Eg Calcium Carbide Primary Activity: N	A8NW (SW)	487	2	327640 342830

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	**Integrated Pollution Prevention And Control** Name: Solutia Uk Ltd Location: Ruabon Chemical Works Ea/Epr/Np3335gr/T001, Ruabon Works, Cefn Mawr,, Wrexham, Clwyd, LL14 3SL Authority: Natural Resources Wales Permit Reference: EP3035TW Original Permit Ref: Np3335gr Effective Date: 1st April 2010 **Status: Superseded By Variation** Application Type: Variation App. Sub Type: Minor Positional Accuracy: Located by supplier to within 10m Activity Code: 4.1 A(1) (A) (III) Activity Description: Organic Chemicals; Sulphur Containing Compounds Eg Sulphides Primary Activity: Y Activity Code: 4.2 A(1) (A) (V) Activity Description: Inorganic Chemicals; Non Metals Etc Eg Calcium Carbide Primary Activity: N Activity Code: 4.1 A(1) (A) (II) Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols Primary Activity: N Activity Code: 4.1 A(1) (A) (VI) Activity Description: Organic Chemicals; Halogen Containg Compounds Eg Halocarbons Primary Activity: N	A8NW (SW)	487	2	327640 342830
15	**Integrated Pollution Prevention And Control** Name: Dupont Air Products Nanomaterials Limited Location: Ruabon Chemical Works Ea/Epr/Np3335gr/T001, Ruabon Works, Cefn Mawr,, Wrexham, Clwyd, LL14 3SL Authority: Natural Resources Wales Permit Reference: FP3939KF Original Permit Ref: Fp3939kf Effective Date: 31st August 2009 **Status: Superseded By Variation** Application Type: Transfer App. Sub Type: Part with FAPP Positional Accuracy: Located by supplier to within 10m Activity Code: 4.2 A(1) (A) (V) Activity Description: Inorganic Chemicals; Non Metals Etc Eg Calcium Carbide Primary Activity: N Activity Code: 4.1 A(1) (A) (VI) Activity Description: Organic Chemicals; Halogen Containg Compounds Eg Halocarbons Primary Activity: N Activity Code: 4.1 A(1) (A) (III) Activity Description: Organic Chemicals; Sulphur Containing Compounds Eg Sulphides Primary Activity: Y Activity Code: 4.1 A(1) (A) (II) Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols Primary Activity: N	A8NW (SW)	487	2	327640 342830
15	**Integrated Pollution Prevention And Control** Name: Solutia Uk Ltd Location: Ruabon Chemical Works Ea/Epr/Np3335gr/T001, Ruabon Works, Cefn Mawr,, Wrexham, Clwyd, LL14 3SL Authority: Natural Resources Wales Permit Reference: FP3439KB Original Permit Ref: Np3335gr Effective Date: 31st August 2009 **Status: Superseded By Variation** Application Type: Variation App. Sub Type: Standard Positional Accuracy: Located by supplier to within 10m Activity Code: 4.1 A(1) (A) (VI) Activity Description: Organic Chemicals; Halogen Containg Compounds Eg Halocarbons Primary Activity: N Activity Code: 4.1 A(1) (A) (III) Activity Description: Organic Chemicals; Sulphur Containing Compounds Eg Sulphides Primary Activity: Y Activity Code: 4.1 A(1) (A) (II) Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols Primary Activity: N Activity Code: 4.2 A(1) (A) (V) Activity Description: Inorganic Chemicals; Non Metals Etc Eg Calcium Carbide Primary Activity: N	A8NW (SW)	487	2	327640 342830

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	**Integrated Pollution Prevention And Control** Name: Solutia Uk Ltd Location: Ruabon Chemical Works, Ruabon Works, Cefn Mawr,, Wrexham, Clwyd, LL14 3SL Authority: Environment Agency, Welsh Region Permit Reference: DP3134TV Original Permit Ref: Np3335gr Effective Date: Not Supplied **Status: Valid** Application Type: Surrender App. Sub Type: Part Positional Accuracy: Located by supplier to within 100m Activity Code: 4.1 A(1) (A) (III) Activity Description: Organic Chemicals; Sulphur Containing Compounds Eg Sulphides Primary Activity: Y Activity Code: 4.1 A(1) (A) (II) Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols Primary Activity: N Activity Code: 4.1 A(1) (A) (VI) Activity Description: Organic Chemicals; Halogen Containg Compounds Eg Halocarbons Primary Activity: N Activity Code: 4.2 A(1) (A) (V) Activity Description: Inorganic Chemicals; Non Metals Etc Eg Calcium Carbide Primary Activity: N	A8NW (SW)	487	3	327640 342830
16	**Local Authority Pollution Prevention and Controls** Name: Air Products plc Location: Cefn Mawr, WREXHAM, Clwyd, LL14 3HW Authority: Wrexham County Borough Council, Environmental Health Department Permit Reference: WMBC/HJB/03/033 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/23 Coating of metal and plastic **Status: Not Supplied** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	177	4	328139 343184
17	**Local Authority Pollution Prevention and Controls** Name: Advanced Industrial Coating Ltd Location: Advance Technology Park, Ruabon, WREXHAM, Clwyd, LL13 Authority: Wrexham County Borough Council, Environmental Health Department Permit Reference: WMBC/HJB/03/029 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: Part B - General Coating Process (No Specific Reference) **Status: Authorised** Positional Accuracy: Manually positioned to the road within the address or location	A9SW (SE)	932	4	328358 342363
	Nearest Surface Water Feature	A13NE (N)	189	-	328005 343568
18	**Pollution Incidents to Controlled Waters** Property Type: Miscellaneous Premises: Surface Runoff Location: Plas Madoc Estate, WREXHAM Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Vandalism Incident Date: 10th October 1994 Incident Reference: 21389 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	A13SE (S)	211	3	328000 343000
18	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: 32 Aled, Plas Madoc Estate, ACREFAIR Authority: Environment Agency, Welsh Region Pollutant: Miscellaneous - Fire water / Foam Note: River Dee Incident Date: 6th September 1997 Incident Reference: 33512 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 (S)	216	3	328000 342995

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Old Mining, Pool Acrefair, Plas-Yssa Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Not Supplied Incident Date: 25th January 1992 Incident Reference: 4167 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A18SE (N)	318	3	328000 343700
20	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Adjacent To, Duke Of, WELLINGTON Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Not Supplied Incident Date: 23rd August 1995 Incident Reference: 25964 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	A7NE (SW)	590	3	327400 342900
21	**Pollution Incidents to Controlled Waters** Property Type: Cattle Grazing Land Location: Bowers Road Authority: Environment Agency, Welsh Region Pollutant: Farm Effluent/Slurry Note: Not Supplied Incident Date: 9th February 1995 Incident Reference: 22508 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	A17SE (NW)	666	3	327300 343700
22	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Monsanto Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Not Supplied Incident Date: 27th May 1995 Incident Reference: 24210 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	A7NE (SW)	670	3	327500 342700
23	**Pollution Incidents to Controlled Waters** Property Type: Road (Lost Load) Location: Way Acrefair, WHALLEYS Authority: Environment Agency, Welsh Region Pollutant: Sewage Debris/Litter Note: Accidental Spillage/Leakage Incident Date: 9th October 1994 Incident Reference: 21379 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Leakage Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	671	3	327300 342900
24	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Storm Overflow Location: No 6, Hamden Way Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Blocked Sewer Incident Date: 7th February 1992 Incident Reference: 3448 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 (E)	672	3	328630 343120

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Storm Overflow Location: Flats Druid House, HARDEN Authority: Environment Agency, Welsh Region Pollutant: Oils - Diesel (Including Agricultural) Note: Blocked Sewer Incident Date: 20th December 1991 Incident Reference: 3446 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	A14SE (E)	673	3	328630 343115
25	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Bridge, Off Llangollen Road Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Not Supplied Incident Date: 13th August 1991 Incident Reference: 3121 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	677	3	327380 342790
26	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Lido Pool Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Not Supplied Incident Date: 27th May 1997 Incident Reference: 32425 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	A8SW (SW)	708	3	327600 342600
27	**Pollution Incidents to Controlled Waters** Property Type: Miscellaneous Premises: Surface Runoff Location: Welsh Street, Cefn, Mawr-Coach Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Accidental Spillage/Leakage Incident Date: 8th August 1995 Incident Reference: 25328 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	A8SE (S)	708	3	328000 342500
28	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: ACREFAIR Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Weather Incident Date: 11th June 1997 Incident Reference: 32841 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	A12SW (W)	715	3	327200 343000
28	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: ACREFAIR Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Tref-Y-Nant Brook; Overflow Incident Date: 11th June 1997 Incident Reference: 32841 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Weather Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (SW)	717	3	327200 342995

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Bottom Of Hampden Way Authority: Environment Agency, Welsh Region Pollutant: Oils - Diesel (Including Agricultural) Note: Rhosymedre Brook Incident Date: 25th February 1998 Incident Reference: 35004 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	A14SE (E)	737	3	328700 343200
30	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: 39 Perif Plas Madoc Estate, ACREFAIR Authority: Environment Agency, Welsh Region Pollutant: Oils - Petrol Note: Emergency Overflow Incident Date: 5th April 1996 Incident Reference: 27830 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	A14NE (E)	757	3	328700 343495
31	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Plas Madoc, Leisure Centre Authority: Environment Agency, Welsh Region Pollutant: Light Oil Note: Not Supplied Incident Date: 16th January 1996 Incident Reference: 27280 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	A14NE (E)	757	3	328700 343500
31	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Between 14/15, Dinas Plas, Madoc Authority: Environment Agency, Welsh Region Pollutant: Sewage - Septic Tank Effluent Note: Not Supplied Incident Date: 23rd October 1995 Incident Reference: 26284 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	A14NE (E)	807	3	328750 343500
32	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Garage, Station Road, ACREFAIR Authority: Environment Agency, Welsh Region Pollutant: Light Oil Note: River Dee; Run-Off Incident Date: 30th December 1997 Incident Reference: 34604 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Neglect Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	769	3	327250 342800
33	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Ww Pumping Station Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Tref-Y-Nant Brook; Overflow Incident Date: 3rd October 1997 Incident Reference: 33947 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	A7NE (SW)	797	3	327300 342700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Outside Vale Of Llangollen Tours Authority: Environment Agency, Welsh Region Pollutant: Oils - Diesel (Including Agricultural) Note: River Dee Incident Date: 21st September 1997 Incident Reference: 33607 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	A8SE (S)	810	3	328250 342450
35	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Walleys, Way Plasmadoc Estate, ACREFAIR Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Deliberate Act Incident Date: 18th August 1995 Incident Reference: 25506 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	A14NE (E)	834	3	328800 343300
36	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Sewage Treatment Works Location: Road Trevor Isaf Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Emergency Overflow Incident Date: 24th March 1995 Incident Reference: 23301 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	A8SW (S)	850	3	327700 342400
37	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Sewerage Location: Treatment Plant Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Not Supplied Incident Date: 25th March 1995 Incident Reference: 23044 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	A8SW (S)	886	3	327600 342400
38	**Pollution Incidents to Controlled Waters** Property Type: Miscellaneous Premises: Surface Runoff Location: Foden Garage, ACREFAIR Authority: Environment Agency, Welsh Region Pollutant: Oils - Petrol Note: Poor Operational Practise Incident Date: 4th March 1996 Incident Reference: 27921 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	904	3	327000 343000
38	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Foden Garage, ACREFAIR Authority: Environment Agency, Welsh Region Pollutant: Oils - Petrol Note: Poor Management Control Incident Date: 4th March 1996 Incident Reference: 27921 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	906	3	327000 342995

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
39	**Pollution Incidents to Controlled Waters** Property Type: Land Location: 83 Heol, Avon Cefn, Mawr Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Vandalism Incident Date: 11th February 1996 Incident Reference: 27850 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Spillage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SW (S)	910	3	327900 342300
39	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Outside 83 Heol, At White Mill, Mawr, LLANGOLLEN Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Vandalism Incident Date: 11th February 1996 Incident Reference: 27850 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Spillage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SW (S)	915	3	327900 342295
40	**Pollution Incidents to Controlled Waters** Property Type: Road Location: Plas Madoc Estate, ACREFAIR Authority: Environment Agency, Welsh Region Pollutant: Rubbish Note: Accidental Spillage/Leakage Incident Date: 5th October 1994 Incident Reference: 21347 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	A14NE (E)	974	3	328900 343600
	River Quality Name: Trefynant Bk GQA Grade: River Quality A Reach: Disch.Within Culvert-Trib.Nr.Hafod Fm. Estimated Distance (km): 3.3 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A7NE (SW)	743	3	327378 342700
	River Quality Name: Trefynant Bk GQA Grade: River Quality B Reach: Conf.Dee T.Isa-Disch.Within Culvert Estimated Distance (km): .9 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A8SW (S)	833	3	327652 342435

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
41	**River Quality Biology Sampling Points** Name: Tref-Y-Nant Brook Reach: Confluence River Dee T.Isa To Disch.Within Culvert Estimated Distance: 0.90 Positional Accuracy: Located by supplier to within 100m Year: 1990 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 1995 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2000 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2002 GQA Grade: River Quality Biology GQA Grade Not Supplied Year: 2003 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2004 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2005 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2006 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2007 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2008 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2009 GQA Grade: River Quality Biology GQA Grade A - Very Good	A8SW (S)	796	3	327600 342500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
42	**River Quality Chemistry Sampling Points** Name: Trefynant Brook Reach: Discharge Within Culvert To Tributary Near Hafod Farm Estimated Distance: 3.30 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 B - Good Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade 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 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	A7NE (SW)	700	3	327300 342850
43	**Substantiated Pollution Incident Register** Authority: Natural Resources Wales Incident Date: 10th August 2012 Incident Reference: 1024536 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: Crude Sewage	A9NW (SE)	837	2	328580 342642

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
44	**Water Abstractions** Operator: Mrs M M O'Leary Licence Number: 24/67/5/0010 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, Welsh Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 4 Yearly Rate (m3): 1414 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A19NW (N)	986	3	328320 344300
	Water Abstractions Operator: Mr J Lloyd Licence Number: 24/67/5/0046 Permit Version: 100 Location: 35 Ft Deep, 8ft Dia. Well 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: 35 Ft Deep; 8Ft Dia. Well Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th October 1973 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A23NE (N)	1422	3	328100 344800
	Water Abstractions Operator: Solutia Uk Limted Licence Number: 24/67/5/0017 Permit Version: 102 Location: River Dee At Pontcysyllte Authority: Environment Agency, Welsh Region Abstraction: Other Industrial/Commercial/Public Services: General Use (Medium Loss) 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: 21st December 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A2NW (SW)	1444	3	327200 341980
	Water Abstractions Operator: Flexsys Rubber Chemicals Limited Licence Number: 24/67/5/0017 Permit Version: 101 Location: River Dee At Pontcysyllte Authority: Environment Agency, Welsh Region Abstraction: Other Industrial/Commercial/Public Services: General Use (Medium Loss) 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: 30th September 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A2NW (SW)	1444	3	327200 341980

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Flexsys Ltd Licence Number: 24/67/5/0017 Permit Version: 100 Location: River Dee At Pontcysyllte Authority: Environment Agency, Welsh Region Abstraction: Other Industrial/Commercial/Public Services: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: River Dee At Pontcysyllte Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th January 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A2NW (SW)	1444	3	327200 341980
	Water Abstractions Operator: Mr A Philips Licence Number: 24/67/5/0009 Permit Version: 100 Location: Well 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: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 9th August 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A21SE (NW)	1469	3	326830 344390
	Water Abstractions Operator: United Utilities Water Limited Licence Number: 24/67/5/0057 Permit Version: 104 Location: River Dee At Pontcysyllte Authority: Natural Resources Wales Abstraction: Private Water Undertaking: Transfer between sources 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: 12th November 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A2SW (SW)	1478	2	327217 341932
	Water Abstractions Operator: United Utilities Plc Licence Number: 24/67/5/0057 Permit Version: 103 Location: River Dee At Pontcysyllte Authority: Natural Resources Wales Abstraction: Private Water Undertaking: Transfer between sources 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: 17th July 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A2SW (SW)	1478	2	327217 341932

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: United Utilities Water Limited Licence Number: 24/67/5/0057 Permit Version: 101 Location: River Dee At Pontcysyllte Authority: Environment Agency, Welsh Region Abstraction: Public Water Supply: Potable Water Supply - 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 January Authorised End: 31 December Permit Start Date: 1st April 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A2NW (SW)	1529	3	327080 341950
	Water Abstractions Operator: North West Water Licence Number: 24/67/5/0057 Permit Version: 100 Location: River Dee At Pontcysyllte Authority: Environment Agency, Welsh Region Abstraction: Water Supply Related: Transfer Between Sources Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: River Dee At Pontcysyllte Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 27th June 1978 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A2NW (SW)	1529	3	327080 341950
	Water Abstractions Operator: Dee Valley Water Plc Licence Number: 24/67/5/0002 Permit Version: 100 Location: Trefnant Brook Authority: Environment Agency, Welsh Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Trefnant Brook Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 5th July 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A11NW (W)	1551	3	326320 343450
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial Patchiness: <90% Superficial Thickness: 3-10m Superficial Recharge: Low	A13NE (N)	0	2	327917 343359

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial Patchiness: <90% Superficial Thickness: 3-10m Superficial Recharge: Low	A13NE (NE)	0	2	327925 343297
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NE (NE)	0	2	327925 343297
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13NE (NE)	0	2	327925 343297
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
45	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 418.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A13NW (NW)	246	5	327749 343567
46	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 29.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A13NW (NW)	247	5	327731 343557
47	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A13NW (NW)	247	5	327735 343559
48	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A13NW (NW)	253	5	327704 343544
49	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 154.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A13NW (NW)	255	5	327699 343542

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
50	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 24.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A8NW (SW)	360	5	327682 342952
51	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 138.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A12NE (NW)	372	5	327537 343520
52	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 17.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A12NE (NW)	379	5	327549 343556
53	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 199.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A8NW (SW)	382	5	327663 342938
54	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 276.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A12NE (W)	403	5	327462 343303
55	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 273.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A12NE (W)	419	5	327449 343354
56	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 113.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A12NE (W)	419	5	327449 343354
57	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 226.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A12NE (W)	423	5	327456 343448
58	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 12.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18SE (N)	470	5	328020 343852

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
59	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 63.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18SE (N)	482	5	328025 343863
60	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 190.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A7NE (SW)	496	5	327516 342910
61	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 293.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A7NE (SW)	496	5	327516 342910
62	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A12SE (W)	507	5	327372 343146
63	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A12SE (W)	507	5	327372 343146
64	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 138.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18SE (N)	542	5	328031 343923
65	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 363.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A17SE (NW)	542	5	327510 343758
66	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 184.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18SE (N)	544	5	328029 343924
67	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 92.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A17SE (NW)	549	5	327427 343677

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
68	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 931.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A17SE (NW)	556	5	327447 343714
69	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 40.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A8NW (SW)	570	5	327629 342742
70	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 41.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A17SE (NW)	571	5	327384 343655
71	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18SW (N)	571	5	327739 343918
72	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 333.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18SW (N)	574	5	327741 343922
73	**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: Dee Primacy: 1	A8NW (SW)	596	5	327589 342734
74	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 321.7 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A17SE (NW)	599	5	327372 343687
75	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 298.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A17SE (NW)	599	5	327372 343687
76	**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: Dee Primacy: 1	A8NW (SW)	610	5	327590 342717

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
77	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A7NE (SW)	635	5	327569 342700
78	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 25.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A7NE (SW)	640	5	327566 342696
79	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 75.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A7NE (SW)	665	5	327550 342676
80	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 74.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A19SW (NE)	668	5	328322 343940
81	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 540.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tref-y-nant Brook Catchment Name: Dee Primacy: 1	A7NE (SW)	675	5	327382 342791
82	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 180.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A14SE (E)	683	5	328645 343155
83	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 33.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A14SE (E)	684	5	328641 343109
84	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 50.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A14SE (E)	687	5	328638 343077
85	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 177.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A14SE (E)	689	5	328628 343027

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
86	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 121.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A14SE (E)	689	5	328628 343027
87	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 79.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A19SW (NE)	703	5	328429 343900
88	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 263.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A19SW (NE)	703	5	328447 343883
89	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 338.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A12SW (W)	712	5	327166 343130
90	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 55.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A12SW (W)	717	5	327168 343100
91	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 312.1 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A14SE (E)	725	5	328691 343281
92	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18NE (N)	726	5	328034 344108
93	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 19.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18NE (N)	733	5	328035 344114
94	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A19NW (NE)	738	5	328397 343973

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
95	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A19NW (NE)	740	5	328380 343988
96	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 139.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tref-y-nant Brook Catchment Name: Dee Primacy: 1	A7SE (SW)	740	5	327504 342617
97	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 9.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A19NW (NE)	741	5	328392 343980
98	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 91.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tref-y-nant Brook Catchment Name: Dee Primacy: 1	A12SW (W)	742	5	327168 343009
99	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 133.9 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A9NE (SE)	746	5	328620 342853
100	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 27.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tref-y-nant Brook Catchment Name: Dee Primacy: 1	A12SW (W)	749	5	327148 343048
101	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 11.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18NE (N)	753	5	328039 344134
102	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 80.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18NE (N)	753	5	328039 344134
103	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 67.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Gronwen Stream Catchment Name: Dee Primacy: 1	A12SW (SW)	754	5	327173 342962

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
104	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A12SW (W)	759	5	327131 343070
105	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 293.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tref-y-nant Brook Catchment Name: Dee Primacy: 1	A12SW (W)	761	5	327130 343068
106	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 92.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18NE (N)	764	5	328041 344145
107	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 24.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A17SE (NW)	797	5	327367 343971
108	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 36.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A17SE (NW)	797	5	327367 343971
109	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18NE (N)	808	5	328002 344193
110	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 88.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18NE (N)	809	5	327997 344194
111	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 94.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A17NE (NW)	815	5	327346 343977
112	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 77.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Gronwen Stream Catchment Name: Dee Primacy: 1	A7NW (SW)	817	5	327108 342955

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
113	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 103.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A9NE (SE)	821	5	328624 342720
114	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18NW (N)	825	5	327910 344211
115	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 252.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18NW (N)	827	5	327903 344213
116	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 36.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A14NE (E)	828	5	328752 343587
117	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A14NE (E)	834	5	328749 343622
118	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 165.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A14NE (E)	836	5	328750 343625
119	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 23.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A19SE (NE)	846	5	328704 343769
120	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 325.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A9NE (SE)	855	5	328592 342628
121	**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: Dee Primacy: 1	A12NW (W)	855	5	327013 343376

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
122	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 21.0 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A12NW (W)	855	5	327013 343376
123	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A19SE (NE)	856	5	328702 343792
124	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18NE (N)	856	5	328059 344236
125	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 284.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A12NW (W)	856	5	327013 343397
126	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 101.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A19SE (NE)	857	5	328700 343798
127	**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: Dee Primacy: 1	A18NE (N)	859	5	328060 344239
128	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 44.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tref-y-nant Brook Catchment Name: Dee Primacy: 1	A7SE (SW)	863	5	327500 342478
129	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.6 Watercourse Level: Underground Permanent: True Watercourse Name: Tref-y-nant Brook Catchment Name: Dee Primacy: 1	A7SE (SW)	868	5	327524 342459
130	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18NE (N)	869	5	328064 344248

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
131	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 75.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tref-y-nant Brook Catchment Name: Dee Primacy: 1	A7SE (SW)	870	5	327528 342454
132	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 194.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Gronwen Stream Catchment Name: Dee Primacy: 1	A12SW (W)	874	5	327037 342983
133	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 157.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18NE (N)	875	5	328066 344253
134	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 99.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18NW (N)	886	5	327769 344254
135	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 220.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18NW (N)	886	5	327769 344254
136	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 107.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tref-y-nant Brook Catchment Name: Dee Primacy: 1	A8SW (S)	889	5	327585 342403
137	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 70.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A19SE (NE)	900	5	328689 343900
138	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 19.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A19SE (NE)	902	5	328643 343964
139	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A19SE (NE)	903	5	328637 343971

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
140	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 464.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A17NE (NW)	903	5	327263 344022
141	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 164.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A19NE (NE)	904	5	328635 343976
142	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 276.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A17SW (NW)	921	5	327108 343871
143	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 327.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A17SW (NW)	921	5	327108 343871
144	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 110.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A12SW (W)	958	5	326911 343189
145	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 17.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A19NE (NE)	959	5	328597 344094
146	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 143.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tref-y-nant Brook Catchment Name: Dee Primacy: 1	A12SW (W)	966	5	326904 343164
147	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 65.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A19NE (NE)	975	5	328604 344109
148	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tref-y-nant Brook Catchment Name: Dee Primacy: 1	A8SW (S)	975	5	327607 342300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
149	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 611.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tref-y-nant Brook Catchment Name: Dee Primacy: 1	A8SW (S)	977	5	327609 342298
150	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 22.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A4NW (S)	993	5	328270 342262
151	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 11.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A17NE (NW)	996	5	327318 344182

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
152	**Historical Landfill Sites** Licence Holder: Air Products United Kingdom Limited Location: Acrefair, Wrexham, Clwyd Name: Air Products Social Club Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD14241 First Input Date: 31st December 1950 Last Input Date: 31st December 1960 Specified Waste Type: Deposited Waste included Inert and Industrial Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 6955/0003 BGS Ref: Not Supplied Other Ref: Not Supplied	A13NE (NE)	0	2	327925 343297
153	**Historical Landfill Sites** Licence Holder: Northern Strip Mining Location: Acrefair, Wrexham, Clwyd Name: The Delph Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15133 First Input Date: 30th November 1981 Last Input Date: 31st December 1986 Specified Waste Type: Deposited Waste included Inert, Industrial, Household and Special Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 6955/0054 BGS Ref: Not Supplied Other Ref: WMBC L/32	A13NW (N)	38	2	327904 343410
154	**Historical Landfill Sites** Licence Holder: Air Products UK Limited Location: Llangollen Road, Wrexham, Acrefair Name: Air Products Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD14748 First Input Date: 1st September 1977 Last Input Date: 31st December 1991 Specified Waste Type: Deposited Waste included Inert and Industrial Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 6955/0002 BGS Ref: Not Supplied Other Ref: WMBC L/8, WMBC L/58	A13SW (S)	151	2	327869 343087
155	**Historical Landfill Sites** Licence Holder: Wrexham Royal District Council Location: Plas Madoc Name: Woodwards Rock Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD14266 First Input Date: 1st January 1968 Last Input Date: 31st December 1978 Specified Waste Type: Deposited Waste included Inert, Industrial, Commercial, Household and Special Waste, and Liquid Sludge EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 6955/0060 BGS Ref: Not Supplied Other Ref: Not Supplied	A14SW (SE)	384	2	328332 343094
156	**Historical Landfill Sites** Licence Holder: Monsanto Plc Location: Rhosmedre Name: Rhosmedre Quarry Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15135 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste Type: Deposited Waste included Industrial and Household Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 6955/0071 BGS Ref: Not Supplied Other Ref: L17	A8SE (S)	615	2	328074 342603

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
157	**Historical Landfill Sites** Licence Holder: J C Edward Location: Trevor, Llangollen, Clwyd Name: Edwards Brickyard Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD14128 First Input Date: 31st December 1987 Last Input Date: 31st December 1995 Specified Waste Type: Deposited Waste included Inert, Industrial and Household Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 6955/0026 BGS Ref: Not Supplied Other Ref: Not Supplied	A7NE (SW)	772	2	327318 342717
158	**Historical Landfill Sites** Licence Holder: Druids United Football Club Location: Plas Kynaston Lane, Wrexham, Cefn Mawr Name: Druids United FC Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD14755 First Input Date: 1st March 1983 Last Input Date: 31st October 1983 Specified Waste Type: Deposited Waste included Inert, Industrial, Commercial and Household Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 6955/0025 BGS Ref: Not Supplied Other Ref: WMBC L/42	A8SE (S)	916	2	328176 342316
159	**Historical Landfill Sites** Licence Holder: Not Supplied Location: Acrefair, Wrexham, Clwyd Name: Monsanto Chemical Dump Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD14129 First Input Date: 1st July 1974 Last Input Date: 31st July 1974 Specified Waste Type: Deposited Waste included Industrial and Household Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 6955/0043 BGS Ref: Not Supplied Other Ref: Not Supplied	A18NW (N)	922	2	327705 344275
	Local Authority Landfill Coverage Name: Wrexham County Borough Council - Has supplied landfill data		0	6	327925 343297
	Local Authority Landfill Coverage Name: Denbighshire County Council - Has supplied landfill data		678	7	327378 342791
160	**Local Authority Recorded Landfill Sites** Location: Air Products Social Club, Bethania Road, Acrefair, Wrexham Reference: 6955/0003 Authority: Wrexham County Borough Council **Last Reported Status: Closed** Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Good	A13NE (NE)	0	6	327925 343297
161	**Local Authority Recorded Landfill Sites** Location: Woodwards Park, Plas Madox, Wrexham Reference: 6955/0060 Authority: Wrexham County Borough Council **Last Reported Status: Closed** Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Good	A14SW (SE)	384	6	328329 343088

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
162	**Potentially Infilled Land (Non-Water)** Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A13NW (N)	0	12	327901 343365
163	**Potentially Infilled Land (Non-Water)** Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A13NE (NE)	0	12	327925 343297
164	**Potentially Infilled Land (Non-Water)** Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A13NE (N)	2	12	327947 343388
165	**Potentially Infilled Land (Non-Water)** Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A13NE (NE)	209	12	328160 343403
166	**Potentially Infilled Land (Non-Water)** Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A13NW (W)	215	12	327650 343315
167	**Potentially Infilled Land (Non-Water)** Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A8NE (S)	253	12	327981 342955
168	**Potentially Infilled Land (Non-Water)** Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A13NE (NE)	259	12	328202 343446
169	**Potentially Infilled Land (Non-Water)** Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A13SW (SW)	324	12	327585 343099
170	**Potentially Infilled Land (Non-Water)** Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A13NE (NE)	326	12	328199 343596
171	**Potentially Infilled Land (Non-Water)** Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A8NW (S)	330	12	327847 342899
172	**Potentially Infilled Land (Non-Water)** Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A14SW (SE)	378	12	328323 343091
173	**Potentially Infilled Land (Non-Water)** Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A8NW (SW)	388	12	327736 342891
174	**Potentially Infilled Land (Non-Water)** Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A8NE (SE)	389	12	328193 342892
175	**Potentially Infilled Land (Non-Water)** Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A8NW (SW)	392	12	327710 342900
176	**Potentially Infilled Land (Non-Water)** Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A14SW (E)	399	12	328362 343187
177	**Potentially Infilled Land (Non-Water)** Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A14NW (NE)	414	12	328286 343626

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
178	**Potentially Infilled Land (Non-Water)** Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A8NW (S)	418	12	327849 342803
179	**Potentially Infilled Land (Non-Water)** Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A12NE (W)	425	12	327453 343444
180	**Potentially Infilled Land (Non-Water)** Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A12NE (NW)	427	12	327532 343615
181	**Potentially Infilled Land (Non-Water)** Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A14NW (NE)	435	12	328339 343579
182	**Potentially Infilled Land (Non-Water)** Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A8NW (S)	459	12	327741 342807
183	**Potentially Infilled Land (Non-Water)** Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A14SW (E)	510	12	328474 343222
184	**Potentially Infilled Land (Non-Water)** Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A18SW (NW)	567	12	327582 343841
185	**Potentially Infilled Land (Non-Water)** Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A17SE (NW)	609	12	327348 343668
186	**Potentially Infilled Land (Non-Water)** Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A19SW (NE)	644	12	328519 343686
187	**Potentially Infilled Land (Non-Water)** Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A8SW (S)	658	12	327671 342618
188	**Potentially Infilled Land (Non-Water)** Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A17SE (NW)	697	12	327380 343849
189	**Potentially Infilled Land (Non-Water)** Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A17SE (NW)	698	12	327354 343824
190	**Potentially Infilled Land (Non-Water)** Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A19NW (NE)	721	12	328364 343976
191	**Potentially Infilled Land (Non-Water)** Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A7NE (SW)	734	12	327319 342772
192	**Potentially Infilled Land (Non-Water)** Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A18NE (N)	779	12	328115 344148
193	**Potentially Infilled Land (Non-Water)** Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A8SE (S)	858	12	327956 342350

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
194	**Potentially Infilled Land (Non-Water)** Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A18NW (N)	861	12	327811 344237
195	**Potentially Infilled Land (Non-Water)** Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A8SW (S)	871	12	327631 342402
196	**Potentially Infilled Land (Non-Water)** Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A12SW (W)	917	12	326986 343003
197	**Potentially Infilled Land (Non-Water)** Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A7SE (SW)	950	12	327477 342391
198	**Potentially Infilled Land (Non-Water)** Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A23SE (N)	951	12	328076 344329
199	**Potentially Infilled Land (Non-Water)** Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A4NW (S)	990	12	328322 342284
200	**Potentially Infilled Land (Non-Water)** Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A7SW (SW)	996	12	327169 342550
201	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A13SE (SE)	78	12	328030 343167
202	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A13NE (E)	153	12	328119 343300
203	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A8NW (SW)	539	12	327640 342771
204	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A8NW (S)	647	12	327671 342631
205	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A14SE (E)	690	12	328651 343156
206	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A7SE (SW)	747	12	327508 342606
207	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A8SW (S)	764	12	327734 342479
208	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A9NE (SE)	769	12	328636 342834
209	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A7SE (SW)	821	12	327406 342581
210	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A7SE (SW)	851	12	327406 342546
211	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A14NE (E)	859	12	328793 343552
212	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A7SE (SW)	898	12	327357 342522

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
213	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A23SE (N)	999	12	327977 344385
214	**Registered Landfill Sites** Licence Holder: Air Products Ltd Licence Reference: L58 Site Location: Llangollen Road, Acrefair, Wrexham, Clwyd Licence Easting: 328000 Licence Northing: 343095 Operator Location: As Site Address Authority: Environment Agency Wales, North Area Site Category: Landfill Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st February 1992 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the road within the address or location Boundary Accuracy: Not Applicable Authorised Waste: Hardcore/Concrete	A13SE (S)	18	3	327966 343189
215	**Registered Landfill Sites** Licence Holder: Air Products Ltd Licence Reference: L 8 Site Location: Air Products Ltd, Acrefair, Wrexham, Clwyd Licence Easting: 328000 Licence Northing: 343300 Operator Location: As Site Address Authority: Environment Agency Wales, North Area Site Category: Landfill Max Input Rate: Undefined Waste Source Restrictions: No known restriction on source of waste Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st June 1977 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Hardcore Solid Fill	A13NE (E)	34	3	328000 343300
216	**Registered Landfill Sites** Licence Holder: D H Jones (Minerals) Ltd Licence Reference: L32 Site Location: Opencast Site At The Delph, Acrefair, Wrexham, Clwyd Licence Easting: 328000 Licence Northing: 343700 Operator Location: Pen Y Bont Works, Chirk, Clwyd Authority: Environment Agency Wales, North Area Site Category: Landfill Max Input Rate: Undefined Waste Source Restrictions: No known restriction on source of waste Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st October 1977 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the road within the address or location Boundary Accuracy: Not Applicable Authorised Waste: Non-Tox,Inert,Non-Comb.Constr'N Waste Overburden,Shale,Sandstone	A18SE (N)	318	3	328000 343700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
217	**Registered Landfill Sites** Licence Holder: Monsanto Ltd Licence Reference: L17A Site Location: Rhosymedre Quarry, Rhosymedre, Wrexham, Clwyd Licence Easting: 328100 Licence Northing: 342550 Operator Location: As Site Address Authority: Environment Agency Wales, North Area Site Category: Landfill Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st May 1990 Preceded By Licence: L17 Superseded By Licence: L17 Positional Accuracy: Manually positioned to the road within the address or location Boundary Accuracy: Not Applicable Authorised Waste: Excavated Waste Max.Waste Permitted By Licence-Stated Saliccylic Acid/Aspirin Ex Monsanto Uncontam. Constr'N/Demol. Wastes	A8SE (S)	671	3	328100 342550
217	**Registered Landfill Sites** Licence Holder: Monsanto Ltd Licence Reference: L17 Site Location: Rhosymedre Quarry, Rhosymedre, Wrexham, Clwyd Licence Easting: 328100 Licence Northing: 342550 Operator Location: Ruabon Works, Cefn Mawr, Wrexham, Clwyd Authority: Environment Agency Wales, North Area Site Category: Landfill Max Input Rate: Undefined Waste Source Restrictions: No known restriction on source of waste Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st September 1977 Preceded By Licence: L17A Superseded By Licence: L17A Positional Accuracy: Manually positioned to the road within the address or location Boundary Accuracy: Not Applicable Authorised Waste: Building Rubble Empty Used Containers Glass Nitrogen/Sulphur Compounds Pharmaceutical Products Plastics	A8SE (S)	671	3	328100 342550
218	**Registered Landfill Sites** Licence Holder: Druids United F C Licence Reference: L42 Site Location: Plaskynaston, Cefn Mawr, Wrexham, Clwyd Licence Easting: 328200 Licence Northing: 342250 Operator Location: As Site Address Authority: Environment Agency Wales, North Area Site Category: Landfill Max Input Rate: Undefined Waste Source Restrictions: No known restriction on source of waste Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st July 1982 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Waste Minestone	A3NE (S)	986	3	328200 342250

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
219	**Control of Major Accident Hazards Sites (COMAH)** Name: Flexsys Rubber Chemicals Ltd Location: Ruabon Works, Cefn Mawr, Wrexham, Clwyd, LL14 3SL Reference: Not Supplied Type: Upper Tier **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	485	8	327642 342831
219	**Control of Major Accident Hazards Sites (COMAH)** Name: Clariant Uk Ltd Location: Ruabon Works, Cefn Mawr, WREXHAM, Clwyd, LL14 3SL Reference: 1021439 Type: Lower Tier **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	485	8	327642 342831
219	**Control of Major Accident Hazards Sites (COMAH)** Name: Nipa Laboratories Ltd Location: C/O FLEXSYS RUBBER CHEMICALS, TCC UNIT RUABON WORKS, CEFN MAWR WREXHAM, WREXHAM, Clwyd, LL14 3SL Reference: Not Supplied Type: Lower Tier **Status: Record Ceased To Be Supplied Under COMAH Regulations** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	485	8	327642 342831
220	**Notification of Installations Handling Hazardous Substances (NIHHS)** Name: Flexsys Limited Location: Ruabon Works, WREXHAM, Clwyd, LL14 3SL **Status: Not Active** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	476	8	327652 342836
221	**Planning Hazardous Substance Consents** Name: Flexsys Rubber Chemicals Ltd Location: Ruabon Works, Cefn Mawr, WREXHAM, Clwyd, LL14 3SL Authority: Wrexham County Borough Council, Planning Department Application Ref: Cb3736/Hs Hazardous Substance: Unknown at time of report Maximum Quantity: .1 Application date: 11th October 1999 **Decision: Deemed Consent GrantedGranted** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	485	9	327642 342831
221	**Planning Hazardous Substance Consents** Name: Flexsys Rubber Chemicals Ltd Location: Ruabon Works, Cefn Mawr, WREXHAM, Clwyd, LL14 3SL Authority: Wrexham County Borough Council, Planning Department Application Ref: Cb3736/Hs Hazardous Substance: Part B, Highly Reactive and Explosive Substance, Liquid Oxygen, where amount held is greater than or equal to 500 tonnes Maximum Quantity: 100 Application date: 11th October 1999 **Decision: Unknown at time of reportUnknown** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	485	9	327642 342831
221	**Planning Hazardous Substance Consents** Name: Flexsys Rubber Chemicals Ltd Location: Ruabon Works, Cefn Mawr, WREXHAM, Clwyd, LL14 3SL Authority: Wrexham County Borough Council, Planning Department Application Ref: Cb3736/Hs Hazardous Substance: Part A, Toxic Substance, Carbon disulphide, where amount held is greater than or equal to 20 tonnes Maximum Quantity: 74 Application date: 11th October 1999 **Decision: Unknown at time of reportUnknown** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	485	9	327642 342831
221	**Planning Hazardous Substance Consents** Name: Flexsys Rubber Chemicals Location: Ruabon Works, Cefn Mawr, WREXHAM, Clwyd, LL14 3SL Authority: Wrexham County Borough Council, Planning Department Application Ref: Cb3736/Hs Hazardous Substance: Part C, Flammable Substance (Not in Parts A&B), Substances flammable in air above their Bpt, as a liquid or with gas at >1.4bar, amount held is >=25t Maximum Quantity: 7112 Application date: 11th October 1999 **Decision: Unknown at time of reportUnknown** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	485	9	327642 342831

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
221	**Planning Hazardous Substance Consents** Name: Monsanto Plc Location: Ruabon Works, CEFN MAWR, Wrexham, LL14 3SL Authority: Wrexham County Borough Council, Planning Department Application Ref: 20627/Hs Hazardous Substance: Part A, Toxic Substance, Carbon disulphide, where amount held is greater than or equal to 20 tonnes Maximum Quantity: 63 Application date: 12th August 1992 **Decision:** **Deemed Consent GrantedGranted** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	499	9	327642 342815
221	**Planning Hazardous Substance Consents** Name: Monsanto Plc Location: Ruabon Works, Cefn Mawr, WREXHAM, Clywd, LL14 3SL Authority: Wrexham County Borough Council, Planning Department Application Ref: 6/0002/0627 Hazardous Substance: Unknown at time of report Maximum Quantity: 62 Application date: 12th August 1992 **Decision:** **Deemed Consent GrantedGranted** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	502	9	327637 342815
222	**Planning Hazardous Substance Consents** Name: Flexsys Rubber Chemicals Dupont Air Products Nano Materials Ltd Location: Ruabon Works, Cefn Mawr, Wrexham Authority: Wrexham County Borough Council, Planning Department Application Ref: P/2008/0207 Hazardous Substance: Very toxic Maximum Quantity: 37 Application date: 28th February 2008 **Decision:** **Withdrawn** Positional Accuracy: Located by supplier to within 10m	A8NW (S)	640	9	327657 342646
222	**Planning Hazardous Substance Consents** Name: Flexsys Rubber Chemicals Ltd Location: Ruabon Works, Cefn Mawr, WREXHAM, Clwyd, LL14 3SL Authority: Wrexham County Borough Council, Planning Department Application Ref: P/2001/0606 Hazardous Substance: Very toxic Maximum Quantity: 12 Application date: 27th June 2001 **Decision:** **Withdrawn** Positional Accuracy: Located by supplier to within 10m	A8NW (S)	640	9	327657 342646
223	**Planning Hazardous Substance Consents** Name: Flexsys Rubber Chemicals Ltd Location: Ruabon Works, Cefn Mawr, WREXHAM, Clwyd, LL14 3SL Authority: Wrexham County Borough Council, Planning Department Application Ref: CB/19993736 Hazardous Substance: Chlorine Maximum Quantity: 62 Application date: 11th October 1999 **Decision:** **Deemed Consent GrantedGranted** Positional Accuracy: Located by supplier to within 10m	A8SW (S)	746	9	327762 342489

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Pennine Middle Coal Measures Formation And South Wales Middle Coal Measures Formation (Undifferentiated)	A13NE (NE)	0	1	327925 343297
	BGS 1:625,000 Solid Geology Description: Pennine Lower Coal Measures Formation And South Wales Lower Coal Measures Formation (Undifferentiated)	A13NW (W)	0	1	327879 343302
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (NE)	0	1	327925 343297
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14SW (SE)	575	1	328500 343000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: <15 mg/kg	A18NE (N)	624	1	328061 344000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12SW (W)	904	1	327000 343000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A7NW (SW)	971	1	327000 342822

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: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A3NW (S)	992	1	327717 342247
224	**BGS Recorded Mineral Sites** Site Name: Delph Location: Ruabon, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185703 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A13NW (N)	66	1	327894 343436
225	**BGS Recorded Mineral Sites** Site Name: Delph Location: Ruabon, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185704 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	73	1	327988 343448
226	**BGS Recorded Mineral Sites** Site Name: Penbedw Fireclay Works Location: Acrefair, Ruabon, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 98677 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Fireclay Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	182	1	327780 343510
227	**BGS Recorded Mineral Sites** Site Name: Hughes'S Row Location: Ruabon, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185705 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	210	1	328162 343399

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
228	**BGS Recorded Mineral Sites** Site Name: Delph Brick & Tile Works Location: Delph, Ruabon, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 14106 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A13NW (N)	221	1	327875 343595
229	**BGS Recorded Mineral Sites** Site Name: Hughes'S Row Location: Ruabon, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185706 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	260	1	328203 343444
230	**BGS Recorded Mineral Sites** Site Name: Delph Cottages Location: Ruabon, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185679 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	292	1	327728 343607
231	**BGS Recorded Mineral Sites** Site Name: Caeglo Colliery, Bye Pit Location: Cefn-Mawr, Ruabon, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 98670 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A8NE (S)	311	1	328010 342900
232	**BGS Recorded Mineral Sites** Site Name: Blue Bell Inn Location: Ruabon, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185677 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	325	1	328197 343596

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
233	**BGS Recorded Mineral Sites** Site Name: Caeglo Colliery, Wards Deep Engine Pit Location: Cefn-Mawr, Ruabon, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 98671 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A8NE (S)	359	1	328055 342860
234	**BGS Recorded Mineral Sites** Site Name: Tre-Y-Nant Hall Location: Cefn-Mawr, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185691 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	383	1	327514 343109
235	**BGS Recorded Mineral Sites** Site Name: Penbedw Fireclay Works Location: Acrefair, Ruabon, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 98678 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Fireclay Positional Accuracy: Located by supplier to within 10m	A18SW (NW)	385	1	327660 343675
236	**BGS Recorded Mineral Sites** Site Name: Deplh House Location: Ruabon, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185676 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18SE (NE)	391	1	328186 343697
237	**BGS Recorded Mineral Sites** Site Name: Acrefair Quarries Location: Cefn-Mawr, Ruabon, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 98663 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Cefn Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14SW (E)	392	1	328355 343190

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
238	**BGS Recorded Mineral Sites** Site Name: Plas Kynaston Location: Cefn-Mawr, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185699 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	416	1	327706 342875
238	**BGS Recorded Mineral Sites** Site Name: Edward'S Clay Pit Location: Cefn-Mawr, Ruabon, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 98661 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	436	1	327700 342855
239	**BGS Recorded Mineral Sites** Site Name: Delph Cottages Location: Ruabon, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185685 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18SW (N)	418	1	327865 343796
240	**BGS Recorded Mineral Sites** Site Name: Penbedw Location: Ruabon, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185702 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18SW (NW)	422	1	327597 343674
241	**BGS Recorded Mineral Sites** Site Name: Delph Cottages Location: Ruabon, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185690 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18SW (NW)	433	1	327654 343727

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
242	**BGS Recorded Mineral Sites** Site Name: Delph Cottages Location: Ruabon, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185684 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18SW (N)	438	1	327772 343788
243	**BGS Recorded Mineral Sites** Site Name: Cheshire Farm Location: Ruabon, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185707 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	438	1	328342 343579
244	**BGS Recorded Mineral Sites** Site Name: Delph Location: Ruabon, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185674 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18SE (N)	454	1	327972 343840
245	**BGS Recorded Mineral Sites** Site Name: Acrefair Quarry Location: Cefn-Mawr, Ruabon, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 9713 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Cefn Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14SW (E)	456	1	328410 343115
246	**BGS Recorded Mineral Sites** Site Name: Cefn Stone Quarries, No.2 Location: Cefn-Mawr, Ruabon, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 98662 Type: Opencast **Status: Ceased** Operator: Individual'S Name Withheld Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Cefn Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	459	1	328280 342875

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
247	**BGS Recorded Mineral Sites** Site Name: Delph Cottages Location: Ruabon, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185689 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18SW (N)	471	1	327734 343808
247	**BGS Recorded Mineral Sites** Site Name: Delph Cottages Location: Ruabon, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185678 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18SW (N)	491	1	327752 343837
247	**BGS Recorded Mineral Sites** Site Name: Penbedw Fireclay Works Location: Acrefair, Ruabon, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 98679 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Fireclay Positional Accuracy: Located by supplier to within 10m	A18SW (N)	512	1	327715 343845
247	**BGS Recorded Mineral Sites** Site Name: Delph Cottages Location: Ruabon, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185683 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18SW (N)	534	1	327735 343877
248	**BGS Recorded Mineral Sites** Site Name: Penbedw Fireclay Works Coal Pit Location: Acrefair, Ruabon, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 98680 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A12NE (W)	493	1	327385 343450

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
248	**BGS Recorded Mineral Sites** Site Name: Penbedw Fireclay Works Location: Acrefair, Ruabon, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 14102 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Fireclay Positional Accuracy: Located by supplier to within 10m	A12NE (W)	498	1	327385 343475
249	**BGS Recorded Mineral Sites** Site Name: Plas-Aber-Nant Location: Cefn-Mawr, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185698 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A8NW (S)	494	1	327777 342750
250	**BGS Recorded Mineral Sites** Site Name: Cefn Stone Quarries, No. 2 Location: Cefn-Mawr, Ruabon, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 14104 Type: Opencast **Status: Ceased** Operator: Individual'S Name Withheld Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Cefn Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8NE (SE)	508	1	328230 342775
251	**BGS Recorded Mineral Sites** Site Name: Delph Location: Ruabon, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185671 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18SE (N)	509	1	327955 343895
252	**BGS Recorded Mineral Sites** Site Name: Delph Cottages Location: Ruabon, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185681 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18SW (N)	518	1	327844 343894

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
253	**BGS Recorded Mineral Sites** Site Name: Penbedw Fireclay Works Coal Pit Location: Acrefair, Ruabon, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 98681 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	521	1	327405 343590
254	**BGS Recorded Mineral Sites** Site Name: Acrefair Quarries Location: Cefn-Mawr, Ruabon, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 98664 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Cefn Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14SW (E)	526	1	328490 343230
255	**BGS Recorded Mineral Sites** Site Name: Penbedw Location: Ruabon, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185687 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	546	1	327474 343729
256	**BGS Recorded Mineral Sites** Site Name: Delph Cottages Location: Ruabon, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185682 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18SW (N)	550	1	327883 343932
257	**BGS Recorded Mineral Sites** Site Name: Delph Location: Ruabon, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185673 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18SE (N)	561	1	328015 343944

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
258	**BGS Recorded Mineral Sites** Site Name: Delph Location: Ruabon, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185672 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18SE (N)	567	1	328075 343939
259	**BGS Recorded Mineral Sites** Site Name: Delph Location: Ruabon, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185675 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18SE (N)	575	1	327943 343961
260	**BGS Recorded Mineral Sites** Site Name: Delph House Location: Ruabon, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185710 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18SE (NE)	592	1	328198 343924
261	**BGS Recorded Mineral Sites** Site Name: Penbedw Fireclay Works Location: Acrefair, Ruabon, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 98676 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Fireclay Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	601	1	327355 343665
262	**BGS Recorded Mineral Sites** Site Name: Penbedw Location: Ruabon, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185688 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	618	1	327476 343828

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
263	**BGS Recorded Mineral Sites** Site Name: Plas-Yn-Wern Villa Location: Ruabon, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185708 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Cefn Rock Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	639	1	328512 343689
264	**BGS Recorded Mineral Sites** Site Name: Delph Cottages Location: Ruabon, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185686 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18NE (N)	648	1	327937 344034
265	**BGS Recorded Mineral Sites** Site Name: Delph Cottages Location: Ruabon, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185680 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18NW (N)	658	1	327808 344029
266	**BGS Recorded Mineral Sites** Site Name: Plas Kynaston Location: Cefn-Mawr, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185692 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A8SW (S)	658	1	327690 342609
267	**BGS Recorded Mineral Sites** Site Name: Cefn Stone Quarries Location: Cefn Mawr, Ruabon, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 198579 Type: Opencast **Status: Ceased** Operator: Individual'S Name Withheld Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Cefn Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8SE (S)	671	1	328037 342541

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
268	**BGS Recorded Mineral Sites** Site Name: Cefn Stone Quarries, No. 1 Location: Cefn-Mawr, Ruabon, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 14103 Type: Opencast **Status: Ceased** Operator: Individual'S Name Withheld Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Cefn Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8SE (S)	674	1	328110 342550
269	**BGS Recorded Mineral Sites** Site Name: Penbedw Location: Ruabon, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185666 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	712	1	327367 343857
270	**BGS Recorded Mineral Sites** Site Name: Sycamore Cottages Location: Ruabon, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185709 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	740	1	328330 344021
271	**BGS Recorded Mineral Sites** Site Name: Penbedw Location: Ruabon, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185665 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	753	1	327375 343920
272	**BGS Recorded Mineral Sites** Site Name: West Cottages Location: Ruabon, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185668 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18NE (N)	795	1	328120 344163

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
273	**BGS Recorded Mineral Sites** Site Name: Cefn Mawr Location: Cefn Mawr, Ruabon, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 8455 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Cefn Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8SE (S)	808	1	327996 342400
274	**BGS Recorded Mineral Sites** Site Name: Sycamore Cottages Location: Ruabon, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185667 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	843	1	328318 344144
275	**BGS Recorded Mineral Sites** Site Name: Plas-Yn-Wern Shaft Location: Cefn-Mawr, Ruabon, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 98669 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	854	1	328760 343655
276	**BGS Recorded Mineral Sites** Site Name: Penbedw Location: Ruabon, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185670 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18NW (N)	865	1	327801 344239
277	**BGS Recorded Mineral Sites** Site Name: Mill Inn Location: Cefn-Mawr, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185693 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A8SW (S)	869	1	327628 342406

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
278	**BGS Recorded Mineral Sites** Site Name: Cefn Stone Quarries Location: Cefn Mawr, Ruabon, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 198580 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Cefn Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8SE (S)	872	1	327964 342336
279	**BGS Recorded Mineral Sites** Site Name: Mill Inn Location: Cefn-Mawr, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185694 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A7SE (SW)	947	1	327476 342395
280	**BGS Recorded Mineral Sites** Site Name: Plas-Isaf Location: Ruabon, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185669 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A23SE (N)	953	1	328070 344332
281	**BGS Recorded Mineral Sites** Site Name: Tref-Y-Nant Location: Cefn-Mawr, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 185696 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A7SW (SW)	1000	1	327187 342527
	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.	A13NE (NE)	0	10	327925 343297
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13NE (NE)	0	-	327925 343297
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	327925 343297
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	327925 343297

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	327925 343297
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	327925 343297
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	327925 343297
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	170	1	328137 343199
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	212	1	328156 343117
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	327917 343359
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	327925 343297
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	242	1	328107 343012
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	327925 343297
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	327917 343359
	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	A13NE (NE)	0	1	327925 343297
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	327925 343297

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
282	**Contemporary Trade Directory Entries** Name: Clwyd Fragrance Location: 12, Cae Bedw, Acrefair, Wrexham, Clwyd, LL14 3TW Classification: Perfume Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	120	-	327752 343384
283	**Contemporary Trade Directory Entries** Name: Air Products Plc Location: Llangollen Road, Acrefair, Wrexham, Clwyd, LL14 3HW Classification: Gas Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	177	-	328139 343184
284	**Contemporary Trade Directory Entries** Name: The Garage Location: Llangollen Road, Acrefair, WREXHAM, Clwyd, LL14 3RS Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	276	-	327730 343021
285	**Contemporary Trade Directory Entries** Name: Jones Location: King Street, Acrefair, Wrexham, Clwyd, LL14 3RH Classification: Bus & Coach Operators & Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (S)	308	-	327811 342940
285	**Contemporary Trade Directory Entries** Name: G Roberts Location: King Street, Acrefair, Wrexham, Clwyd, LL14 3RH Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (S)	318	-	327816 342926
286	**Contemporary Trade Directory Entries** Name: Mobile Mechanical Services Location: 6, Lancaster Terrace, Acrefair, Wrexham, Clwyd, LL14 3HP Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	332	-	328298 343305
287	**Contemporary Trade Directory Entries** Name: Deescan Location: Unit 1, Rose Hill Enterprise Park, Cefn Mawr, Wrexham, Clwyd, LL14 3QA Classification: Control Panels **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NW (S)	400	-	327823 342833
288	**Contemporary Trade Directory Entries** Name: Sita Uk Ltd Location: Ruabon Works, Cefn Mawr, Wrexham, Clwyd, LL14 3SL Classification: Waste Disposal Services **Status: Active** Positional Accuracy: Manually positioned to the address or location	A8NW (SW)	485	-	327642 342831
288	**Contemporary Trade Directory Entries** Name: Flexsys Rubber Chemicals Ltd Location: Ruabon Works, Cefn Mawr, Wrexham, Clwyd, LL14 3SL Classification: Chemical Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	485	-	327642 342831
288	**Contemporary Trade Directory Entries** Name: D A Nano Materials Ltd Location: Ruabon Works, Cefn Mawr, Wrexham, Clwyd, LL14 3SL Classification: Chemicals & Allied Products **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	485	-	327642 342831
288	**Contemporary Trade Directory Entries** Name: New Dubs Location: Ruabon Works, Cefn Mawr, Wrexham, Clwyd, LL14 3SL Classification: Classic Car Specialists **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A8NW (SW)	486	-	327642 342830
288	**Contemporary Trade Directory Entries** Name: Gmg Sales Location: Ruabon Works, Cefn Mawr, Wrexham, Clwyd, LL14 3SL Classification: Agricultural Engineers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A8NW (SW)	486	-	327642 342830

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
289	**Contemporary Trade Directory Entries** Name: J C B Commercial & Industrial Cleaning Contractors Location: Maple Dr, Acresair, Wrexham, Clwyd, LL14 3LB Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A14NW (E)	516	-	328480 343344
290	**Contemporary Trade Directory Entries** Name: Marcher Chemicals Ltd Location: Rock Road, Rhosymedre, Wrexham, Clwyd, LL14 3YF Classification: Paint Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	560	-	328298 342759
291	**Contemporary Trade Directory Entries** Name: Gleaming Gems Location: 30, Whalleys Way, Acrefair, Wrexham, Clwyd, LL14 3UH Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	630	-	328594 343341
292	**Contemporary Trade Directory Entries** Name: S E Jones (Acrefair) Ltd Location: Trefynant Offices, Trefynant Park, Acrefair, Wrexham, Clwyd, LL14 3SR Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	718	-	327307 342811
293	**Contemporary Trade Directory Entries** Name: Aquatec Coatings Ltd Location: Rock Road, Rhosymedre, Wrexham, Clwyd, LL14 3YF Classification: Coating Specialists **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	727	-	328288 342557
294	**Contemporary Trade Directory Entries** Name: J R Soft Furnishings Location: Unit G3, Wheatsheaf Workshops, High Street, Wrexham, LL14 3YE Classification: Soft Furnishings - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	800	-	328441 342565
295	**Contemporary Trade Directory Entries** Name: Mcguinness Forwarding Ltd Location: Brookside, Brook Street, Rhosymedre, Wrexham, Clwyd, LL14 3EE Classification: Freight Forwarders **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	849	-	328654 342712
295	**Contemporary Trade Directory Entries** Name: Guiness Frieght Ltd Location: Brookside, Brook Street, Rhosymedre, Wrexham, Clwyd, LL14 3EE Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	849	-	328654 342712
296	**Contemporary Trade Directory Entries** Name: A A T Gb Ltd Location: 3, Bank View, Well Street, Cefn Mawr, Wrexham, LL14 3AH Classification: Disability Equipment - Manufacturers & Suppliers **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SE (S)	849	-	328086 342368
296	**Contemporary Trade Directory Entries** Name: J Tynan Co Location: Well St, Cefn Mawr, Wrexham, Clwyd, LL23 7HU Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A8SE (S)	887	-	328096 342330
297	**Contemporary Trade Directory Entries** Name: Deeside Engineering Services Location: Advance Park, Park Road, Rhosymedre, Wrexham, Clwyd, LL14 3YR Classification: Engineers - General **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	861	-	328434 342487
298	**Contemporary Trade Directory Entries** Name: Advance Electronics Location: Advance Pk,Park Rd, Rhosymedre, Wrexham, Clwyd, LL14 3YR Classification: Electronic Equipment - Manufacturers & Assemblers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A9SW (SE)	879	-	328359 342422

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
299	**Contemporary Trade Directory Entries** Name: Griffiths Site Services Ltd Location: Unit 2c, Advance Park, Park Road, Wrexham, LL14 3YR Classification: Pest & Vermin Control **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	897	-	328381 342413
299	**Contemporary Trade Directory Entries** Name: Wilman Agricultural Products Location: Wrexham, LL14 3YR Classification: Agricultural Machinery - Sales & Service **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	897	-	328381 342413
299	**Contemporary Trade Directory Entries** Name: Advance Electronics Ltd Location: Wrexham, LL14 3YR Classification: Transformer Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	897	-	328381 342413
299	**Contemporary Trade Directory Entries** Name: G Wood Developments Location: Advance Park, Park Road, Rhosymedre, Wrexham, LL14 3YR Classification: Plastics - Injection Moulding **Status: Active** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	897	-	328381 342413
299	**Contemporary Trade Directory Entries** Name: Advance Coatings Location: Advance Park, Park Road, Rhosymedre, WREXHAM, Clwyd, LL14 3YR Classification: Paint Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	935	-	328414 342388
300	**Contemporary Trade Directory Entries** Name: Dee Vale Mouldings Ltd Location: Advance Park,Park Rd, Rhosymedre, Wrexham, Clwyd, LL14 3YR Classification: Plastic Products - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A9SW (SE)	900	-	328341 342390
300	**Contemporary Trade Directory Entries** Name: Advance Electronics Ltd Location: Advance Park,Park Rd, Rhosymedre, Wrexham, Clwyd, LL14 3YR Classification: Transformer Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A9SW (SE)	900	-	328341 342390
300	**Contemporary Trade Directory Entries** Name: Advance Electronics Location: Advance Park, Park Road, Rhosymedre, WREXHAM, Clwyd, LL14 3YR Classification: Electronic Component Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	900	-	328342 342391
300	**Contemporary Trade Directory Entries** Name: Advance Electronics Ltd Location: Advance Pk,Park Rd, Rhosymedre, Wrexham, Clwyd, LL14 3YR Classification: Transformer Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A9SW (SE)	900	-	328341 342390
300	**Contemporary Trade Directory Entries** Name: Advance Electronics Location: Advance Park, Park Road, Rhosymedre, Wrexham, Clwyd, LL14 3YR Classification: Electronic Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	900	-	328342 342391
300	**Contemporary Trade Directory Entries** Name: Advance Electronics Ltd Location: Advance Park, Park Road, Rhosymedre, Wrexham, Clwyd, LL14 3YR Classification: Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	900	-	328342 342391
300	**Contemporary Trade Directory Entries** Name: Advance Electronics Location: Advance Park, Park Road, Rhosymedre, Wrexham, Clwyd, LL14 3YR Classification: Electricity Companies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	900	-	328342 342391

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
300	**Contemporary Trade Directory Entries** Name: Arbra Instruments Location: Advance Park, Park Road, Rhosymedre, Wrexham, Clwyd, LL14 3YR Classification: Blast Cleaning Equipment Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	933	-	328362 342363
300	**Contemporary Trade Directory Entries** Name: Advance Galatrek Location: Advance Park, Park Road, Rhosymedre, Wrexham, Clwyd, LL14 3YR Classification: Transformer Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	933	-	328362 342363
300	**Contemporary Trade Directory Entries** Name: Radiotronic Location: Advance Park, Park Road, Rhosymedre, Wrexham, Clwyd, LL14 3YR Classification: Can Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	933	-	328362 342363
300	**Contemporary Trade Directory Entries** Name: Advance Spares Ltd Location: Advance Park, Park Road, Rhosymedre, WREXHAM, Clwyd, LL14 3YR Classification: Nuts, Bolts & Fixings **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	933	-	328362 342363
301	**Contemporary Trade Directory Entries** Name: Thyngs Done Location: D Jackson, 16, Crane Street, Wrexham, LL14 3AB Classification: Art Restoration & Picture Cleaning **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	919	-	327834 342298
302	**Contemporary Trade Directory Entries** Name: W T E Printers Location: High Street, Cefn Mawr, Wrexham, Clwyd, LL14 3DA Classification: Printers **Status: Active** Positional Accuracy: Automatically positioned to the address	A3NE (S)	924	-	327925 342284
303	**Contemporary Trade Directory Entries** Name: Info-Net Corporation Location: 53 Crane St, Cefn Mawr, Wrexham, Clwyd, LL14 3AB Classification: Waste Disposal Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A3NW (S)	959	-	327886 342252
304	**Contemporary Trade Directory Entries** Name: Festival Fireworks Location: Cherry Tree House,High Street, Cefn Mawr, Wrexham, Clwyd, LL14 3BY Classification: Firework Stockists **Status: Active** Positional Accuracy: Automatically positioned to the address	A3NE (S)	972	-	327923 342236
304	**Contemporary Trade Directory Entries** Name: Kinderkey Healthcare Ltd Location: Crane St, Cefn Mawr, Wrexham, Clwyd, LL14 3AB Classification: Disability Equipment - Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A3NW (S)	975	-	327911 342234
304	**Contemporary Trade Directory Entries** Name: A E Roberts Location: Minffordd, Crane Street, Cefn Mawr, Wrexham, Clwyd, LL14 3AB Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Active** Positional Accuracy: Automatically positioned to the address	A3NE (S)	998	-	327943 342210
305	**Contemporary Trade Directory Entries** Name: Riva Ltd Location: Advance Park, Park Road, Rhosymedre, WREXHAM, Clwyd, LL14 3YR Classification: Bags, Belts & Accessories - Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	987	-	328374 342310

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
306	**Fuel Station Entries** Name: The Garage Location: A439 , Acrefair , Wrexham, Wrexham, LL14 3RS Brand: Uk Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	276	-	327730 343021
307	**Points of Interest - Commercial Services** Name: The Garage Location: A439 Acrefair, Wrexham, LL14 3RS Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A13SW (SW)	276	11	327730 343021
307	**Points of Interest - Commercial Services** Name: Car Wash Location: A439 Acrefair, Wrexham, Clwyd, LL14 3RS Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A13SW (SW)	276	11	327730 343021
308	**Points of Interest - Commercial Services** Name: G Roberts Car Repairs Location: King Street, Acrefair, Wrexham, LL14 3RH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NW (S)	318	11	327816 342926
309	**Points of Interest - Commercial Services** Name: G Roberts Location: 1 Tai Gwynedd, King Street, Acrefair, Cefn Mawr, Wrexham, LL14 3RF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NW (S)	396	11	327891 342818
310	**Points of Interest - Commercial Services** Name: SITA UK Ltd Location: Ruabon Works, Road From Llangollen Road To Flexsys Site, Acrefair, LL14 Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A8NW (SW)	486	11	327654 342823
310	**Points of Interest - Commercial Services** Name: New Dubs Location: Ruabon Works, Cefn Mawr, Wrexham, Clwyd, LL14 3SL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NW (SW)	486	11	327642 342830
310	**Points of Interest - Commercial Services** Name: New Dubs Location: The Warehouse, Ruabon Works, Cefn Mawr, Wrexham, Clwyd, LL14 3SL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NW (SW)	486	11	327642 342830
311	**Points of Interest - Commercial Services** Name: McGuinness Forwarding Ltd Location: Brookside, Brook Street, Rhosymedre, Wrexham, LL14 3EE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A9NE (SE)	849	11	328654 342712
311	**Points of Interest - Commercial Services** Name: Guiness Frieght Ltd Location: Brookside, Brook Street, Rhosymedre, Wrexham, LL14 3EE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A9NE (SE)	849	11	328654 342712
311	**Points of Interest - Commercial Services** Name: McGuinness Forwarding Ltd Location: Brookside, Brook Street, Rhosymedre, Wrexham, LL14 3EE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A9NE (SE)	849	11	328653 342712
312	**Points of Interest - Commercial Services** Name: Griffiths Site Services Ltd Location: Unit 2c Advance Park, Park Road, Wrexham, LL14 3YR Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A9SW (SE)	897	11	328381 342413

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
313	**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	A13SE (S)	142	11	327959 343066
314	**Points of Interest - Manufacturing and Production** Name: Works Location: LL14 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SE (SE)	159	11	328050 343074
314	**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	A13SE (SE)	160	11	328049 343072
315	**Points of Interest - Manufacturing and Production** Name: Foden Works Location: LL14 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	260	11	327914 342952
316	**Points of Interest - Manufacturing and Production** Name: Works Location: LL14 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SE (SE)	274	11	328113 342978
316	**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	A13SE (SE)	281	11	328119 342973
317	**Points of Interest - Manufacturing and Production** Name: Shaft Location: LL14 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	326	11	328016 342886
317	**Points of Interest - Manufacturing and Production** Name: Shaft Location: LL14 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	344	11	328072 342881
318	**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	A8NW (S)	351	11	327870 342869
318	**Points of Interest - Manufacturing and Production** Name: Works Location: LL14 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	351	11	327865 342871
319	**Points of Interest - Manufacturing and Production** Name: Shaft (Disused) Location: LL14 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	611	11	327259 343191
319	**Points of Interest - Manufacturing and Production** Name: Shaft (Disused) Location: LL14 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A12SE (W)	620	11	327251 343184

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
320	**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	A8NW (SW)	622	11	327612 342691
320	**Points of Interest - Manufacturing and Production** Name: Works Location: LL14 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	625	11	327606 342691
321	**Points of Interest - Manufacturing and Production** Name: Quarry (Disused) Location: LL14 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A8SE (S)	647	11	328126 342581
321	**Points of Interest - Manufacturing and Production** Name: Quarry (Disused) Location: LL14 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	655	11	328119 342571
322	**Points of Interest - Manufacturing and Production** Name: Shaft (Disused) Location: LL14 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A17SE (NW)	753	11	327382 343926
322	**Points of Interest - Manufacturing and Production** Name: Shaft (Disused) Location: LL14 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	761	11	327369 343926
323	**Points of Interest - Manufacturing and Production** Name: Workshops Location: LL14 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	797	11	328428 342560
324	**Points of Interest - Manufacturing and Production** Name: Quarry (Disused) Location: LL14 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	838	11	327950 342370
325	**Points of Interest - Manufacturing and Production** Name: Shaft (Disused) Location: LL14 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A19NW (NE)	840	11	328320 344140
325	**Points of Interest - Manufacturing and Production** Name: Shaft (Disused) Location: LL14 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A19NW (NE)	844	11	328317 344146
326	**Points of Interest - Manufacturing and Production** Name: Shaft (Disused) Location: LL14 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A19SE (NE)	872	11	328761 343705
326	**Points of Interest - Manufacturing and Production** Name: Shaft (Disused) Location: LL14 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A19SE (NE)	872	11	328760 343706

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
327	**Points of Interest - Manufacturing and Production** Name: Works (Disused) Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A19NW (NE)	889	11	328467 344109
327	**Points of Interest - Manufacturing and Production** Name: Works Location: LL14 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A19NW (NE)	893	11	328468 344113
328	**Points of Interest - Manufacturing and Production** Name: Land Opposite Tyn Y Pistyll - Solar Photovoltaics (DECC) Location: Delph Road, Penycae, Wrexham, LL14 1TU Category: Industrial Features Class Code: Energy Production Positional Accuracy: Positioned to address or location	A23SE (N)	963	11	328086 344340
329	**Points of Interest - Public Infrastructure** Name: The Garage Location: Llangollen Road, Acrefair, Wrexham, LL14 3RS Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13SW (SW)	276	11	327730 343021
329	**Points of Interest - Public Infrastructure** Name: The Garage Location: Llangollen Road, Acrefair, Wrexham, LL14 3RS Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13SW (SW)	276	11	327730 343021
329	**Points of Interest - Public Infrastructure** Name: The Garage Location: A439 Acrefair, Wrexham, Clwyd, LL14 3RS Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13SW (SW)	276	11	327730 343021
330	**Points of Interest - Public Infrastructure** Name: Jones Location: King Street, Acrefair, Wrexham, LL14 3RH Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to address or location	A8NW (S)	308	11	327811 342940
331	**Points of Interest - Public Infrastructure** Name: SITA UK Ltd Location: Ruabon Works, Cefn Mawr, Wrexham, LL14 3SL Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A8NW (SW)	485	11	327642 342831
332	**Points of Interest - Public Infrastructure** Name: Cemetery Location: LL14 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	533	11	327541 342839
332	**Points of Interest - Public Infrastructure** Name: Cemetery Location: LL14 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	630	11	327488 342757
332	**Points of Interest - Public Infrastructure** Name: Cemetery Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	632	11	327484 342758
333	**Points of Interest - Public Infrastructure** Name: Refuse Tips Location: LL14 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	671	11	328112 342553

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
333	**Points of Interest - Public Infrastructure** Name: Refuse Location: LL14 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	672	11	328114 342553
333	**Points of Interest - Public Infrastructure** Name: Tips Location: LL14 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	676	11	328114 342548
334	**Points of Interest - Public Infrastructure** Name: Weir Location: LL14 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A7NW (SW)	728	11	327240 342889
334	**Points of Interest - Public Infrastructure** Name: Weir Location: LL14 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A7NW (SW)	734	11	327234 342888
335	**Points of Interest - Public Infrastructure** Name: Vale of Llangollen Location: Cefn Garage, Well Street, Cefn Mawr, Wrexham, LL14 3YD Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to address or location	A8SE (S)	907	11	328235 342342
335	**Points of Interest - Public Infrastructure** Name: Vale of Llangollen Location: Cefn Garage, Well Street, Cefn Mawr, Wrexham, LL14 3YD Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to address or location	A8SE (S)	907	11	328235 342342
336	**Points of Interest - Recreational and Environmental** Name: Play Area Location: LL14 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	322	11	328286 343228
336	**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	A14SW (E)	322	11	328286 343226
337	**Points of Interest - Recreational and Environmental** Name: Playground Location: Nr Llangollen Road (Ffordd Llangollen), LL14 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A12SE (SW)	343	11	327564 343099
338	**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	A14SW (E)	511	11	328476 343255
338	**Points of Interest - Recreational and Environmental** Name: Play Area Location: LL14 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	512	11	328477 343256
339	**Points of Interest - Recreational and Environmental** Name: Play Area Location: LL14 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A8NE (SE)	582	11	328235 342693

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
340	**Points of Interest - Recreational and Environmental** Name: Play Area Location: LL14 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	685	11	328519 342806
341	**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	A14NE (E)	729	11	328695 343320
342	**Points of Interest - Recreational and Environmental** Name: Play Area Location: LL14 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	863	11	328828 343234
342	**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	A14SE (E)	864	11	328828 343232

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
343	**Ancient Woodland** Name: Not Supplied Reference: 37529 Area(m²): 3378.88 Type: Restored Ancient Woodland Site	A12SE (SW)	677	2	327250 342980
344	**Ancient Woodland** Name: Not Supplied Reference: 37530 Area(m²): 41863.03 Type: Restored Ancient Woodland Site	A12SW (W)	799	2	327089 343075
345	**Ancient Woodland** Name: Not Supplied Reference: 37531 Area(m²): 2602.57 Type: Restored Ancient Woodland Site	A12NW (W)	846	2	327022 343376
346	**Ancient Woodland** Name: Not Supplied Reference: 31113 Area(m²): 650758.92 Type: Restored Ancient Woodland Site	A9SW (SE)	852	2	328565 342603
347	**Ancient Woodland** Name: Not Supplied Reference: 37528 Area(m²): 1045.52 Type: Restored Ancient Woodland Site	A9SW (SE)	852	2	328562 342600
348	**Ancient Woodland** Name: Not Supplied Reference: 31114 Area(m²): 67892.86 Type: Restored Ancient Woodland Site	A12NW (W)	862	2	327007 343410
349	**Ancient Woodland** Name: Not Supplied Reference: 31115 Area(m²): 837.68 Type: Restored Ancient Woodland Site	A9SE (SE)	905	2	328623 342588
350	**Ancient Woodland** Name: Not Supplied Reference: 34256 Area(m²): 8916.38 Type: Ancient and Semi-Natural Woodland	A9SW (SE)	916	2	328512 342474
351	**Ancient Woodland** Name: Not Supplied Reference: 29318 Area(m²): 14601.94 Type: Ancient and Semi-Natural Woodland	A9NE (SE)	956	2	328855 342864
352	**Ancient Woodland** Name: Not Supplied Reference: 34258 Area(m²): 5440.06 Type: Ancient and Semi-Natural Woodland	A9NE (SE)	981	2	328811 342710
353	**Areas of Outstanding Natural Beauty** Name: Bryniau Clwyd A Dyffryn Dyfrdwy/Clwydian Range And Dee Valley Multiple Areas: N Total Area (m2): 389277308.58 Designation Date: 22nd November 2011 Source: Natural Resources Wales	A7SE (SW)	958	2	327267 342514
354	**World Heritage Sites** Name: Pontcysyllte Aqueduct and Canal Reference: 0 Area(m²): 42638390.693 Source: Welsh Historic Environment Service (Cadw) Designation Date: Not Supplied	A13SW (S)	115	12	327881 343122
355	**World Heritage Sites** Name: Pontcysyllte Aqueduct and Canal Reference: 1000106 Area(m²): 41605520.08 Source: Historic England Designation Date: 1st January 2009	A13SW (S)	115	13	327881 343122

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
356	**World Heritage Sites** Name: Pontcysyllte Aqueduct and Canal Reference: 0 Area(m²): 1032871.102 Source: Welsh Historic Environment Service (Cadw) Designation Date: 31st December 2009	A7SE (SW)	958	12	327267 342514
357	**World Heritage Sites** Name: Pontcysyllte Aqueduct and Canal Reference: 1000106 Area(m²): 1032870.96 Source: Historic England Designation Date: 1st January 2009	A7SE (SW)	958	13	327267 342514

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Wrexham County Borough Council - Public Protection Department	April 2016	Annually
Oswestry Borough Council (now part of Shropshire Council) - Environmental Health Department	December 2008	
Denbighshire County Council - Public Protection Department	January 2015	Annual Rolling Update
Natural Resources Wales	June 2020	Annually
Shropshire Council - Environmental Health Department	March 2015	Annually
Discharge Consents		
Natural Resources Wales	April 2021	Quarterly
Environment Agency - Welsh Region	August 2014	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - Midlands Region	March 2013	
Environment Agency - Welsh Region	March 2013	
Integrated Pollution Controls		
Environment Agency - Midlands Region	October 2008	
Environment Agency - Welsh Region	October 2008	
Integrated Pollution Prevention And Control		
Environment Agency - Midlands Region	April 2021	Quarterly
Natural Resources Wales	April 2021	Quarterly
Environment Agency - Welsh Region	January 2021	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Wrexham County Borough Council - Environmental Health Department	April 2014	Variable
Denbighshire County Council - Environmental Health Department	March 2013	Variable
Shropshire Council - Environmental Health Department	October 2014	Variable
Oswestry Borough Council (now part of Shropshire Council) - Environmental Health Department	September 2008	Not Applicable
Local Authority Pollution Prevention and Controls		
Wrexham County Borough Council - Environmental Health Department	April 2014	Annual Rolling Update
Denbighshire County Council - Environmental Health Department	December 2014	Annual Rolling Update
Shropshire Council - Environmental Health Department	October 2014	Annually
Oswestry Borough Council (now part of Shropshire Council) - Environmental Health Department	September 2008	Not Applicable
Local Authority Pollution Prevention and Control Enforcements		
Wrexham County Borough Council - Environmental Health Department	April 2014	Variable
Denbighshire County Council - Environmental Health Department	December 2014	Variable
Shropshire Council - Environmental Health Department	October 2014	Variable
Oswestry Borough Council (now part of Shropshire Council) - Environmental Health Department	September 2008	Not Applicable
Nearest Surface Water Feature		
Ordnance Survey	January 2021	
Pollution Incidents to Controlled Waters		
Environment Agency - Welsh Region	December 1998	
Prosecutions Relating to Authorised Processes		
Environment Agency - Midlands Region	July 2015	
Environment Agency - Welsh Region	March 2013	
Natural Resources Wales	March 2013	
Prosecutions Relating to Controlled Waters		
Environment Agency - Midlands Region	March 2013	
Environment Agency - Welsh Region	March 2013	
Natural Resources Wales	March 2013	
Registered Radioactive Substances		
Natural Resources Wales	January 2015	Annually
Environment Agency - Midlands Region	June 2016	Annually
Environment Agency - Welsh Region	June 2016	Annually

Agency & Hydrological	Version	Update Cycle
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 - Midlands Region - Upper Severn Area	April 2021	Quarterly
Environment Agency - Midlands Region - West Area	April 2021	Quarterly
Natural Resources Wales	April 2021	Quarterly
Environment Agency Wales - North Area	January 2021	Quarterly
Water Abstractions		
Environment Agency - Welsh Region	April 2021	Quarterly
Natural Resources Wales	April 2021	Quarterly
Water Industry Act Referrals		
Natural Resources Wales	April 2021	Quarterly
Environment Agency - Midlands Region	October 2017	Quarterly
Environment Agency - Welsh Region	October 2017	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 2018	Quarterly
Flooding from Rivers or Sea without Defences		
Natural Resources Wales	September 2020	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	September 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 - Midlands Region	October 2008	Not Applicable
Environment Agency - Welsh Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - Midlands Region - Upper Severn Area	April 2021	Quarterly
Environment Agency - Midlands Region - West Area	April 2021	Quarterly
Environment Agency Wales - North Area	January 2021	Quarterly
Natural Resources Wales	January 2021	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - Midlands Region - Upper Severn Area	April 2021	Quarterly
Environment Agency - Midlands Region - West Area	April 2021	Quarterly
Environment Agency Wales - North Area	April 2021	Quarterly
Natural Resources Wales	April 2021	Quarterly
Local Authority Landfill Coverage		
Denbighshire County Council - Environmental Health Department	May 2000	Not Applicable
Oswestry Borough Council (now part of Shropshire Council) - Environmental Health Department	May 2000	Not Applicable
Shropshire County Council (now part of Shropshire Council) - Shropshire Records And Research Centre	May 2000	Not Applicable
Wrexham County Borough Council	May 2000	Not Applicable
Local Authority Recorded Landfill Sites		
Wrexham County Borough Council	June 2003	
Denbighshire County Council - Environmental Health Department	May 2000	
Oswestry Borough Council (now part of Shropshire Council) - Environmental Health Department	May 2000	
Shropshire County Council (now part of Shropshire Council) - Shropshire Records And Research Centre	May 2000	
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 - Midlands Region - Upper Severn Area	March 2003	Not Applicable
Environment Agency - Midlands Region - West Area	March 2003	Not Applicable
Environment Agency Wales - North Area	March 2003	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - Midlands Region - Upper Severn Area	March 2003	
Environment Agency - Midlands Region - West Area	March 2003	
Environment Agency Wales - North Area	March 2003	
Registered Waste Treatment or Disposal Sites		
Environment Agency - Midlands Region - Upper Severn Area	March 2003	
Environment Agency - Midlands Region - West Area	March 2003	
Environment Agency Wales - North Area	March 2003	

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	
Planning Hazardous Substance Enforcements		
Denbighshire County Council - Planning Department	February 2016	Variable
Shropshire Council - Planning Department	February 2016	Variable
Wrexham County Borough Council - Planning Department	February 2016	Variable
Shropshire County Council (now part of Shropshire Council)	March 2009	Annual Rolling Update
Oswestry Borough Council (now part of Shropshire Council)	October 2008	Not Applicable
Planning Hazardous Substance Consents		
Denbighshire County Council - Planning Department	February 2016	Variable
Shropshire Council - Planning Department	February 2016	Variable
Wrexham County Borough Council - Planning Department	February 2016	Variable
Shropshire County Council (now part of Shropshire Council)	March 2009	Annual Rolling Update
Oswestry Borough Council (now part of Shropshire Council)	October 2008	Not Applicable

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	May 2021	Bi-Annually
CBSCB Compensation District		
Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	As notified
Coal Mining Affected Areas		
The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability		
Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain		
British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	April 2020	Annually
Potential for Compressible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas		
British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures		
British Geological Survey - National Geoscience Information Service	July 2011	Annually

Data Currency

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	April 2021	Quarterly
Fuel Station Entries Catalist Ltd - Experian	June 2021	Quarterly
Gas Pipelines National Grid	May 2021	
Points of Interest - Commercial Services PointX	June 2021	Quarterly
Points of Interest - Education and Health PointX	June 2021	Quarterly
Points of Interest - Manufacturing and Production PointX	June 2021	Quarterly
Points of Interest - Public Infrastructure PointX	June 2021	Quarterly
Points of Interest - Recreational and Environmental PointX	June 2021	Quarterly
Underground Electrical Cables National Grid	May 2021	

Sensitive Land Use	Version	Update Cycle
Ancient Woodland		
Natural Resources Wales	August 2018	Bi-Annually
Areas of Adopted Green Belt		
Denbighshire County Council	June 2020	As notified
Oswestry Borough Council (now part of Shropshire Council)	June 2020	As notified
Shropshire Council - Planning Department	June 2020	As notified
Wrexham County Borough Council	June 2020	As notified
Areas of Unadopted Green Belt		
Denbighshire County Council	June 2020	As notified
Oswestry Borough Council (now part of Shropshire Council)	June 2020	As notified
Shropshire Council - Planning Department	June 2020	As notified
Wrexham County Borough Council	June 2020	As notified
Areas of Outstanding Natural Beauty		
Natural England	January 2021	Bi-Annually
Natural Resources Wales	June 2019	Bi-Annually
Environmentally Sensitive Areas		
Natural England	January 2017	
The National Assembly for Wales - GI Services (Department of Planning & Countryside)	January 2017	
Forest Parks		
Forestry Commission	April 1997	Not Applicable
Local Nature Reserves		
Denbighshire County Council	August 2018	Bi-Annually
Wrexham County Borough Council	August 2018	Bi-Annually
Natural England	February 2021	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 England	April 2017	Bi-Annually
Natural Resources Wales	August 2018	Annually
Nitrate Vulnerable Zones		
Natural Resources Wales	July 2019	Bi-Annually
The National Assembly for Wales - GI Services (Department of Planning & Countryside)	October 2005	
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 2020	Bi-Annually
Special Protection Areas		
Natural Resources Wales	August 2018	Bi-Annually
World Heritage Sites		
Historic England	July 2019	Bi-Annually
Welsh Historic Environment Service (Cadw)	November 2017	Bi-Annually

Data Suppliers

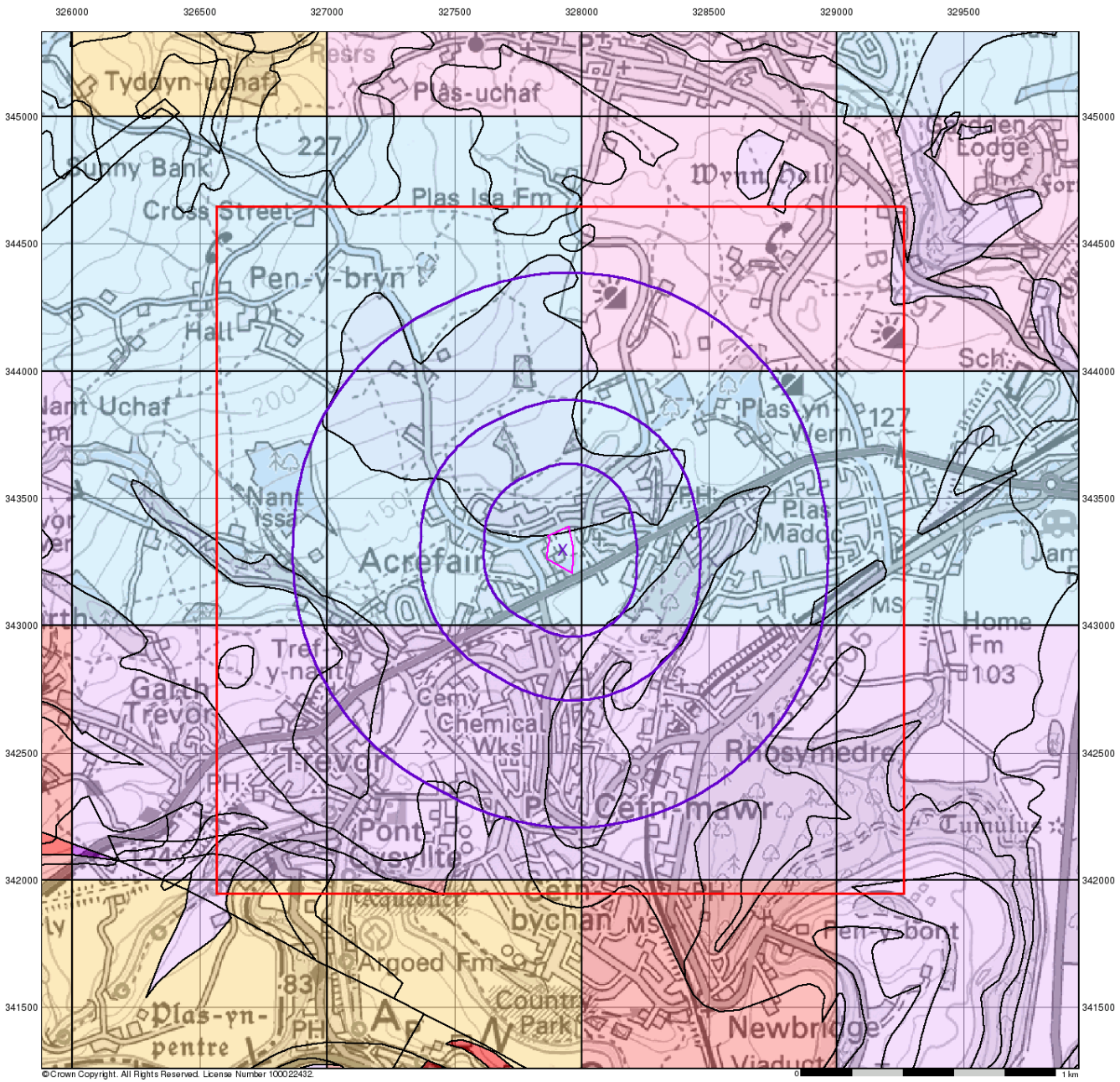
A selection of organisations who provide data within this report

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

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** 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	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
4	**Wrexham County Borough Council - Environmental Health Department** Crown Buildings, P O Box 1297, Wrexham, Clwyd, LL13 8ZE	Telephone: 01978 297038 Fax: 01978 292502 Website: www.wrexham.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	**Wrexham County Borough Council** Lampet Street, Guildhall, Wrexham, Clwyd, LL11 1WL	Telephone: 01978 292000 Fax: 01978 292502 Website: www.wrexham.gov.uk
7	**Denbighshire County Council - Environmental Health Department** Caledfryn, Smithfield, Denbigh, Denbighshire, LL16 3RJ	Telephone: 01824 706000 Fax: 01824 705026 Website: www.denbighshire.gov.uk
8	**Health and Safety Executive** 5S.2 Redgrave Court, Merton Road, Bootle, L20 7HS	Website: www.hse.gov.uk
9	**Wrexham County Borough Council - Planning Department** Guildhall, Wrexham, LL11 1AY	Telephone: 01978 292000 Fax: 01978 292502 Website: www.wrexham.gov.uk
10	**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
11	**PointX** 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
12	**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
13	**Historic England** 1 Waterhouse Square, 138 - 142 Holborn, London, EC1N 2ST	Telephone: 0370 333 0607 Email: customers@historicengland.org.uk Website: www.historicengland.org.uk
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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



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Groundwater Vulnerability

General

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

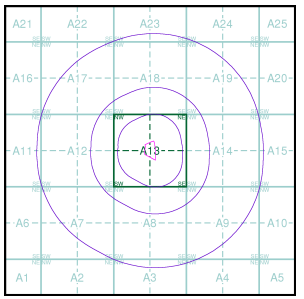
Agency and Hydrological

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

Unproductive Aquifer

Soluble Rock

Site Sensitivity Context Map - Slice A



Order Details

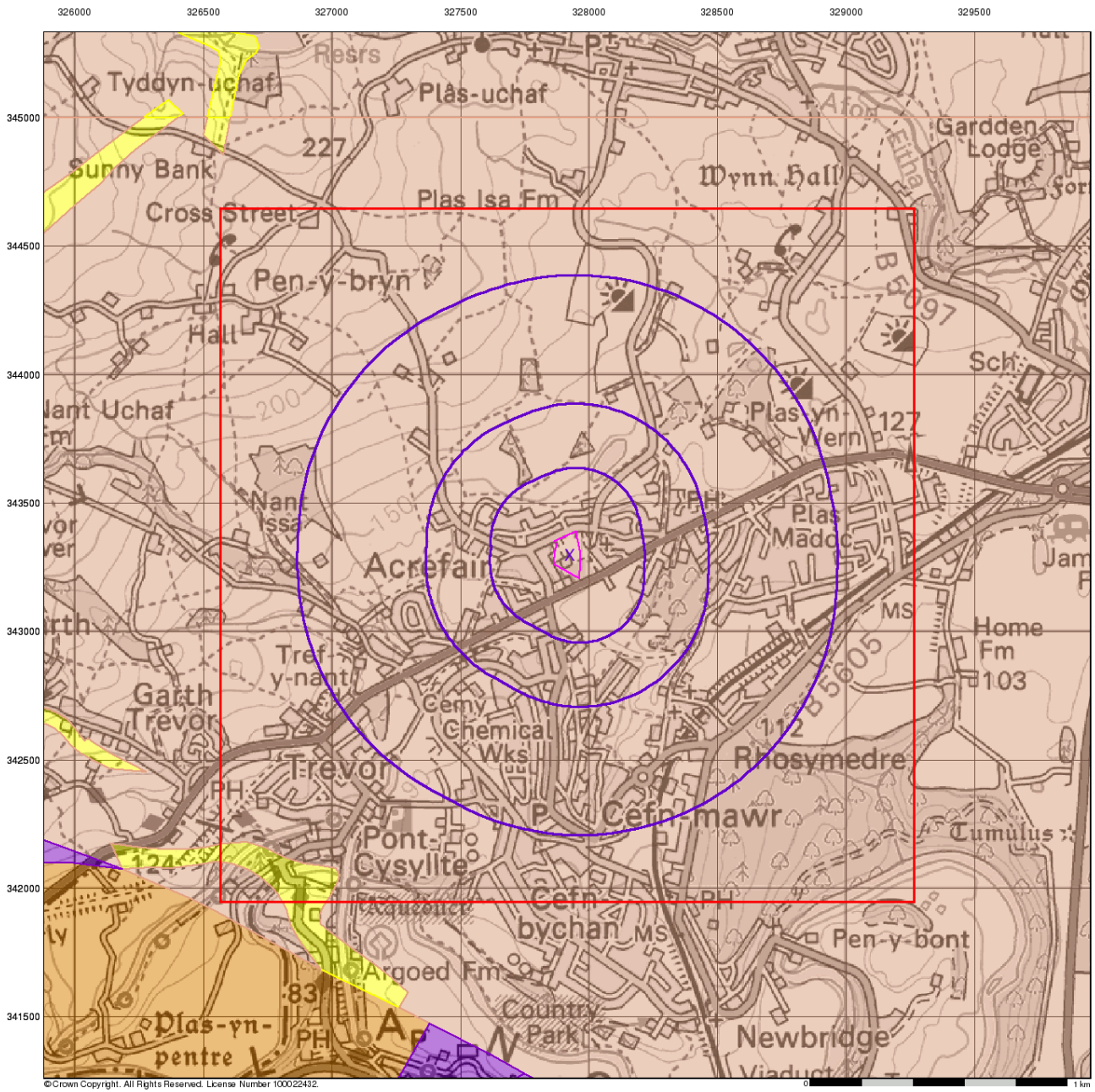
Order Number:	280320239_1_1
Customer Ref:	46202
National Grid Reference:	327920, 343300
Slice:	A
Site Area (Ha):	1.31
Search Buffer (m):	1000

Site Details

Site at 327910, 343310

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Bedrock Aquifer Designation

General

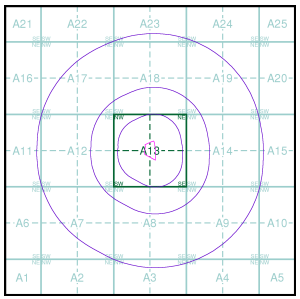
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

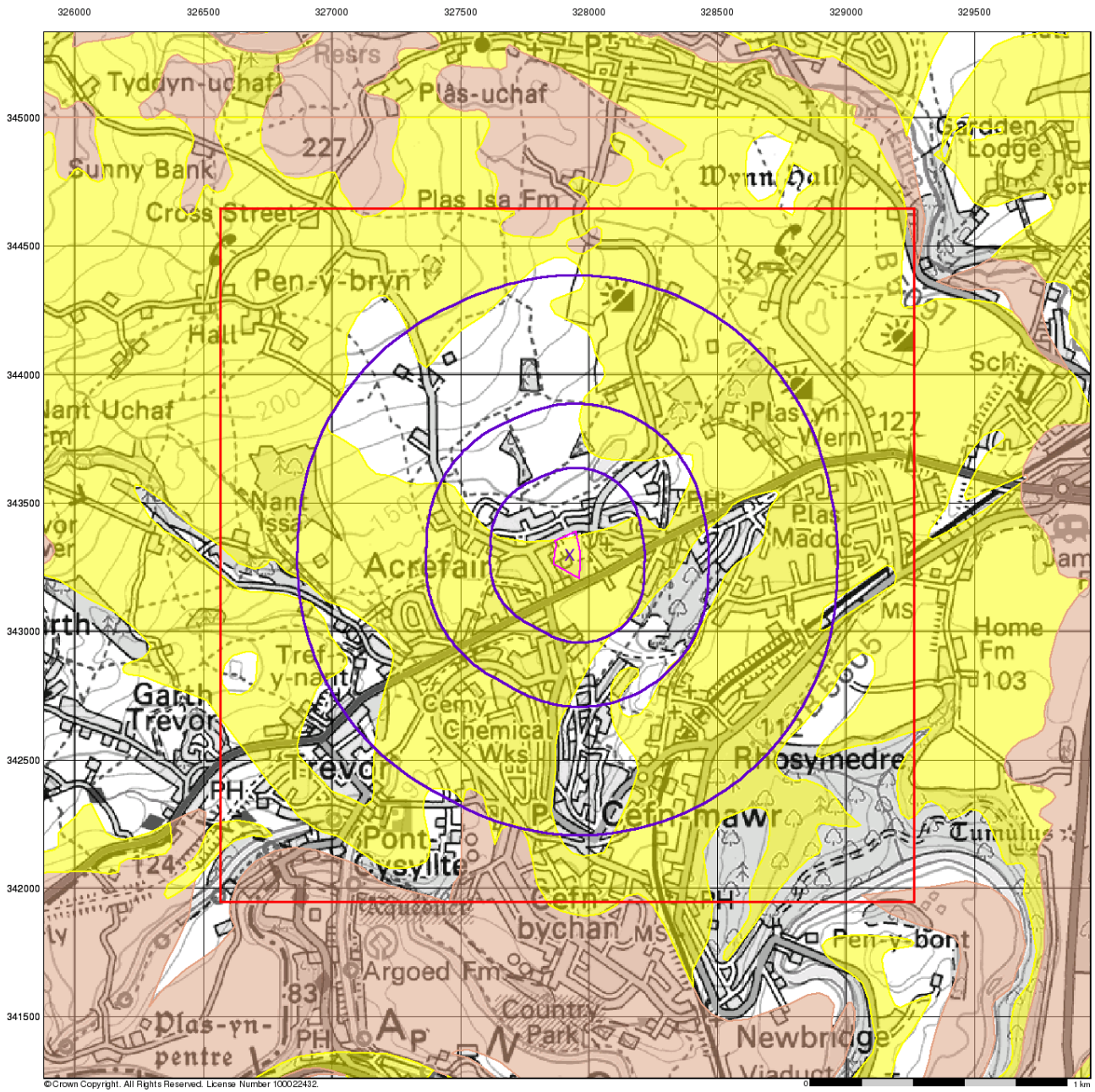
Order Number:	280320239_1_1
Customer Ref:	46202
National Grid Reference:	327920, 343300
Slice:	A
Site Area (Ha):	1.31
Search Buffer (m):	1000

Site Details

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Superficial Aquifer Designation

General

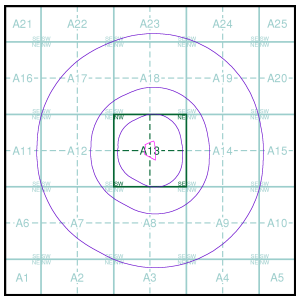
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

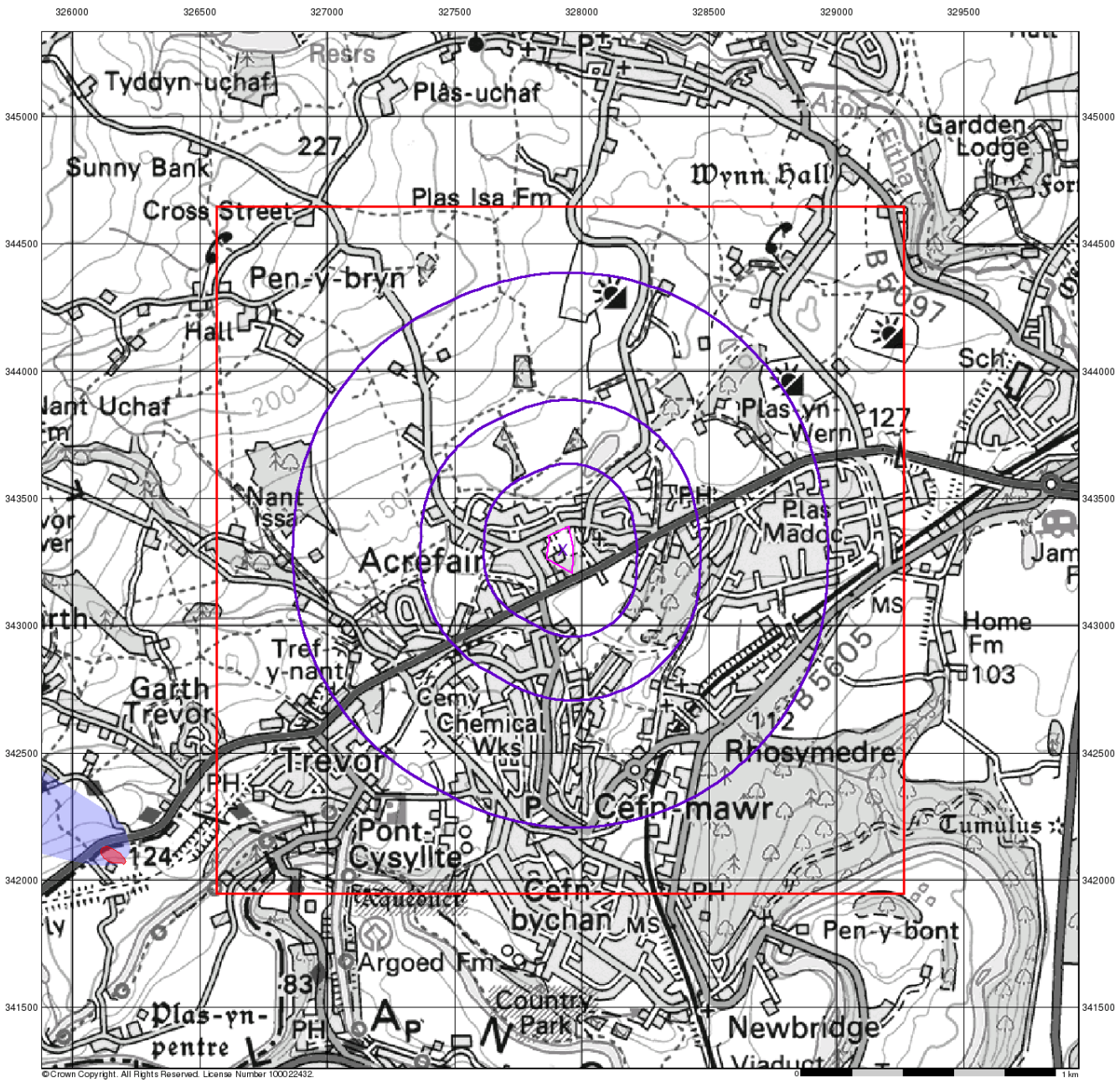
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Customer Ref:	46202
National Grid Reference:	327920, 343300
Slice:	A
Site Area (Ha):	1.31
Search Buffer (m):	1000

Site Details

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Source Protection Zones

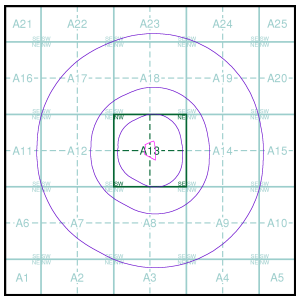
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



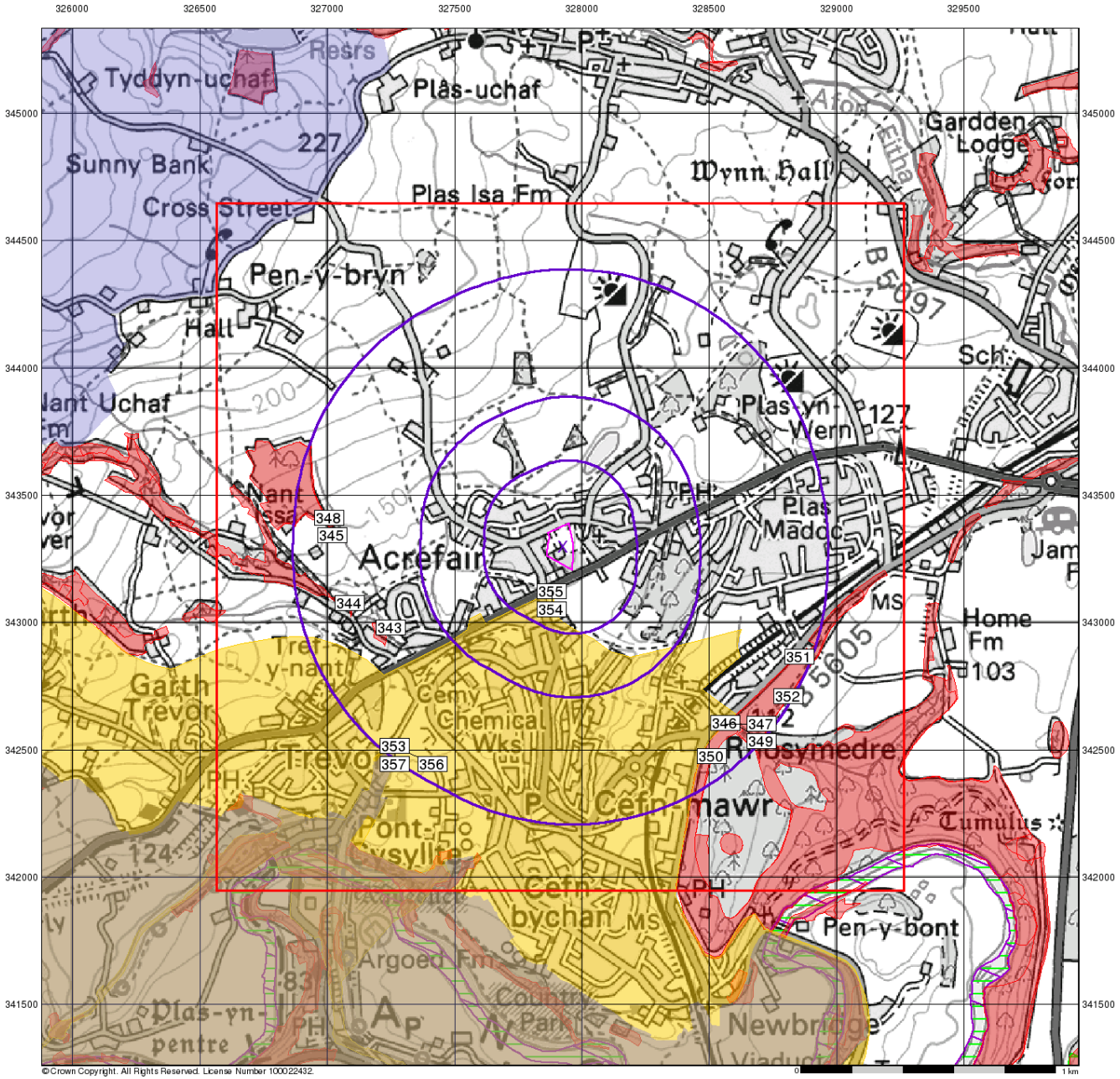
Order Details

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Customer Ref:	46202
National Grid Reference:	327920, 343300
Slice:	A
Site Area (Ha):	1.31
Search Buffer (m):	1000

Site Details

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Sensitive Land Uses

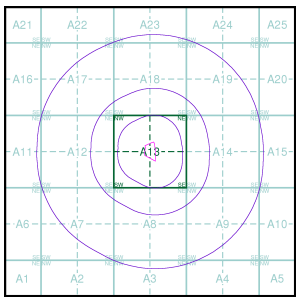
General

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

Sensitive Land Uses

- Ancient Woodland
- 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



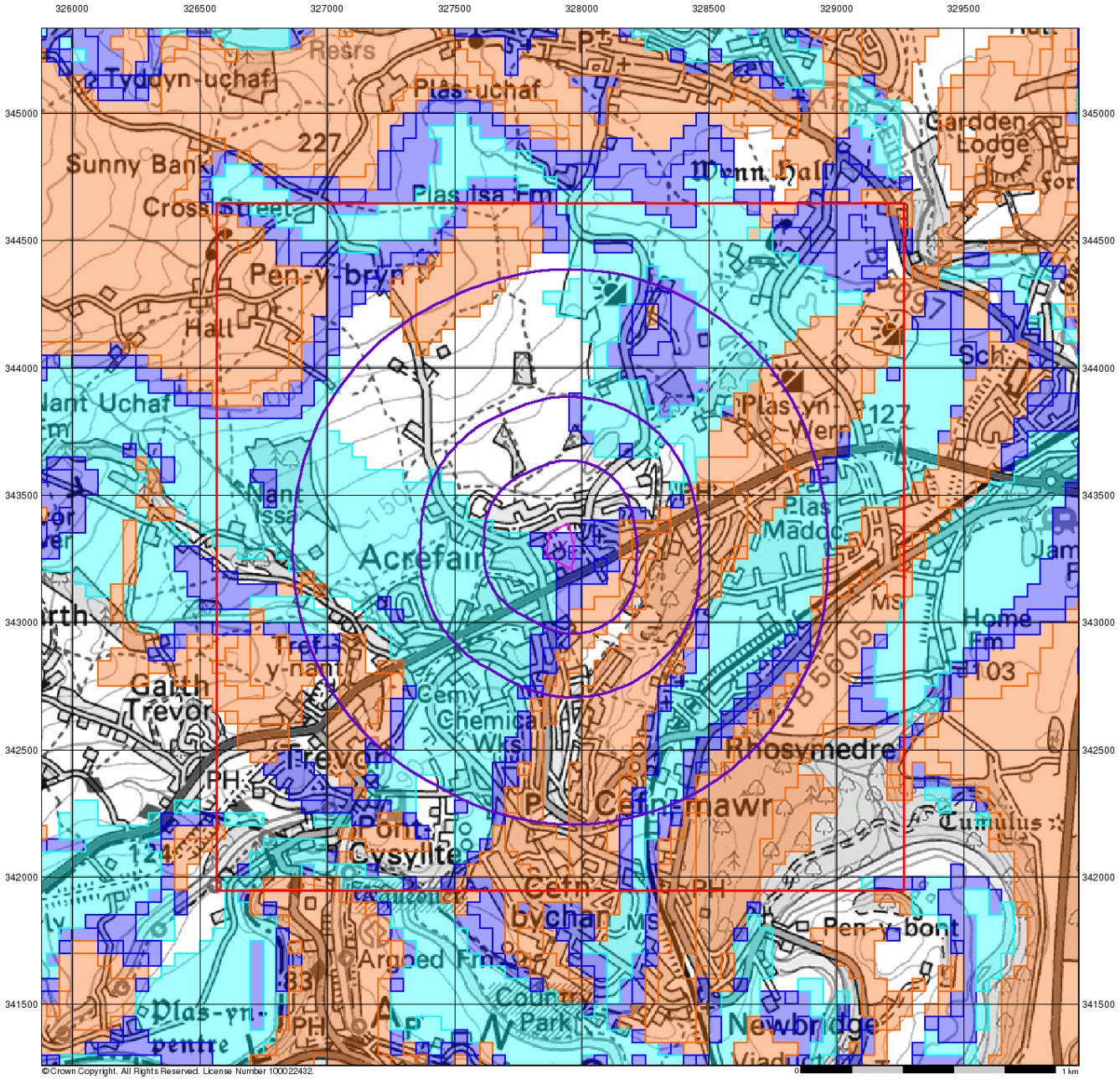
Order Details

Order Number:	280320239_1_1
Customer Ref:	46202
National Grid Reference:	327920, 343300
Slice:	A
Site Area (Ha):	1.31
Search Buffer (m):	1000

Site Details

Site at 327910, 343310

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BGS Flood GFS Data

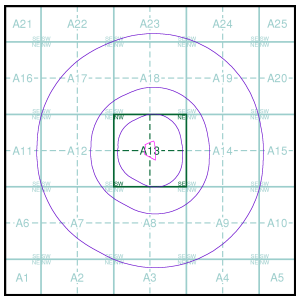
General

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

Agency and Hydrological (Flood)

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

Site Sensitivity Context Map - Slice A

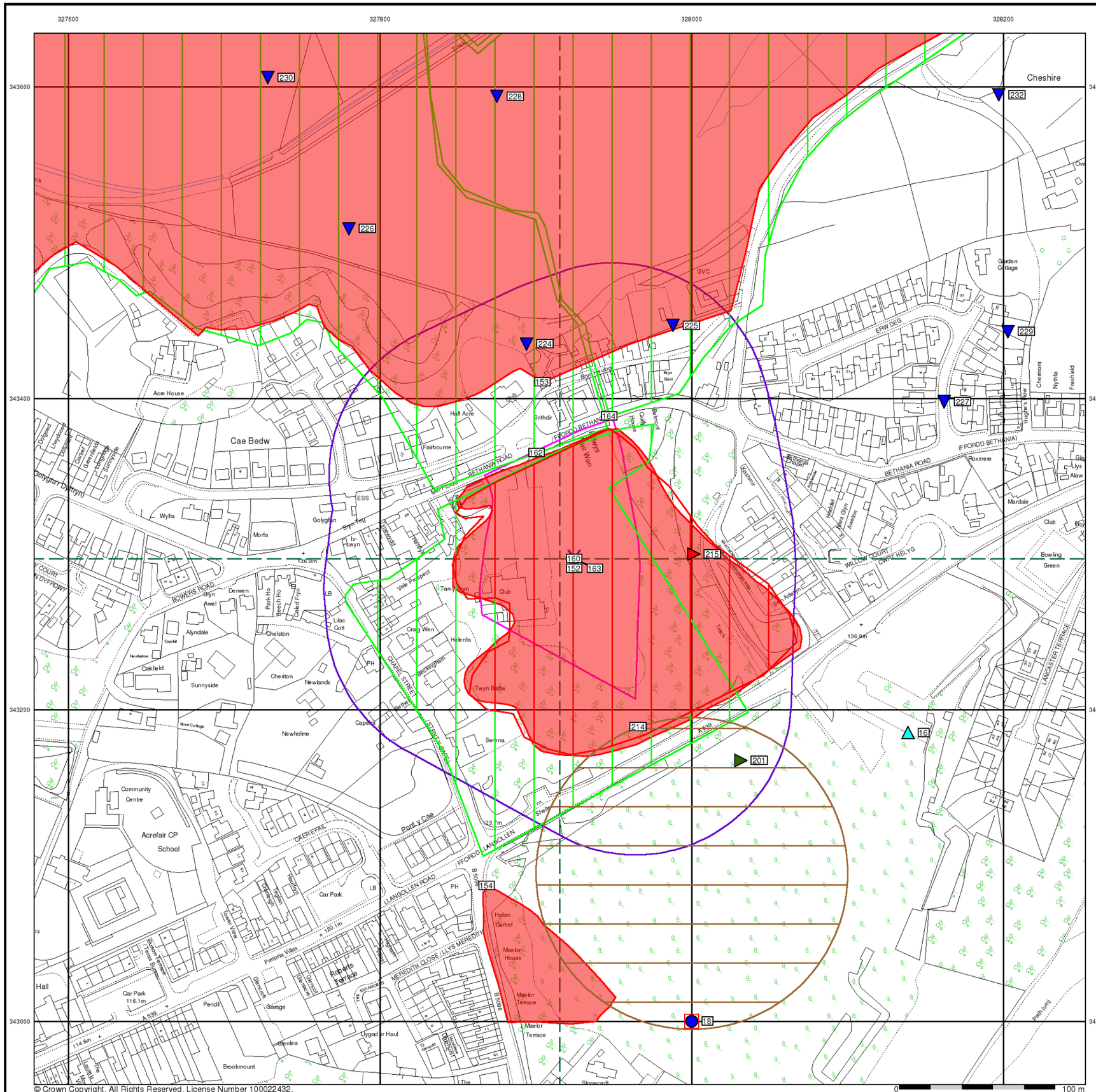


Order Details

Order Number:	280320239_1_1
Customer Ref:	46202
National Grid Reference:	327920, 343300
Slice:	A
Site Area (Ha):	1.31
Search Buffer (m):	1000

Site Details

Site at 327910, 343310



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General

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

Agency and Hydrological

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

Hazardous Substances

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

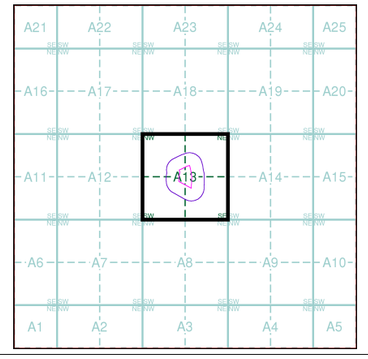
Geological

- BGS Recorded Mineral Site

Waste

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

Site Sensitivity Map - Segment A13



Order Details

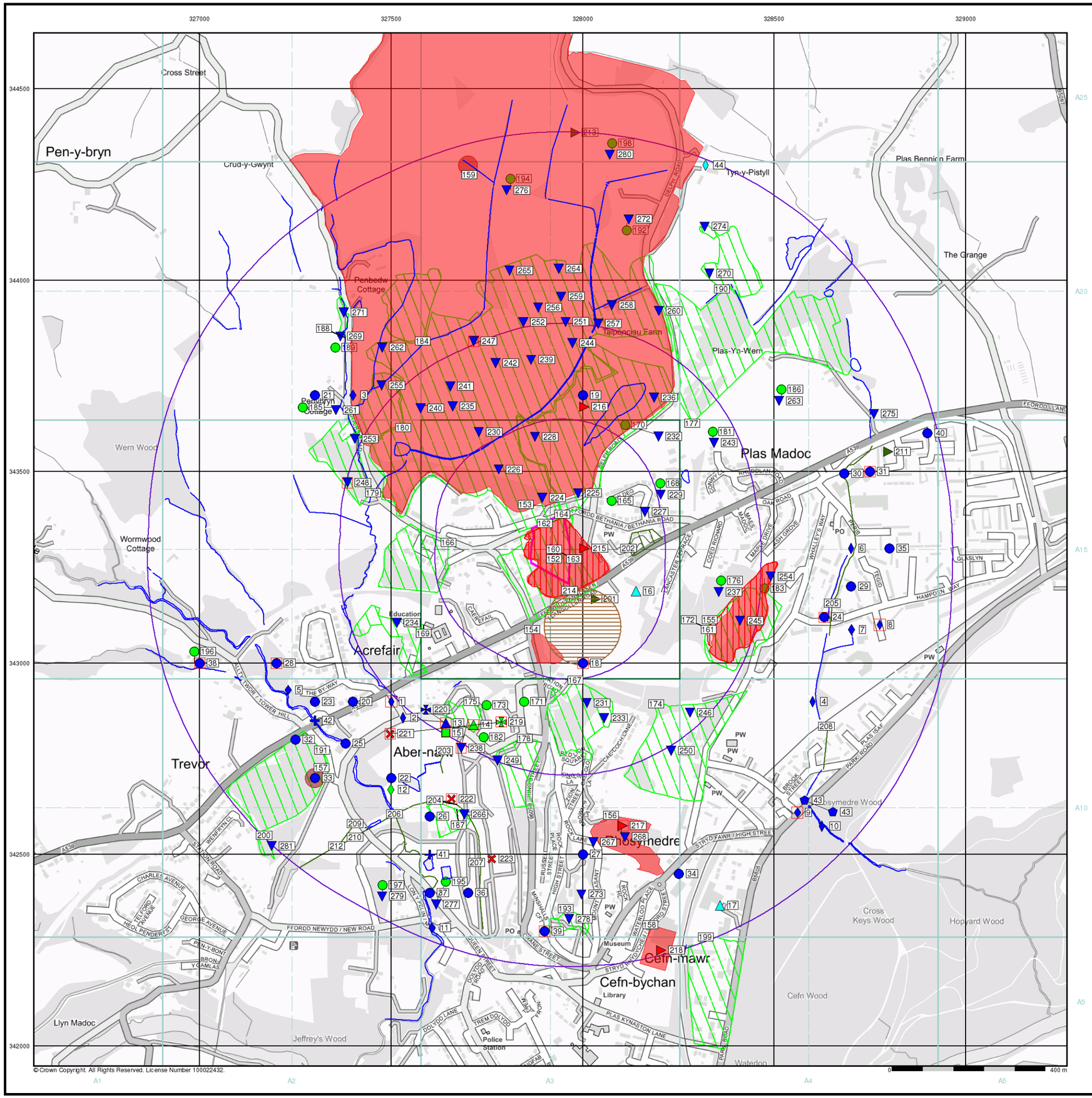
Order Number:	280320239_1_1
Customer Ref:	46202
National Grid Reference:	327920, 343300
Slice:	A
Site Area (Ha):	1.31
Plot Buffer (m):	100

Site Details

Site at 327910, 343310

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General

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

Agency and Hydrological

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

Hazardous Substances

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

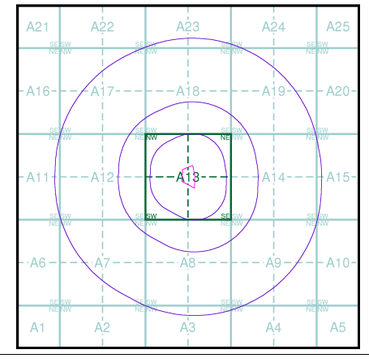
Geological

- BGS Recorded Mineral Site

Waste

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

Site Sensitivity Map - Slice A



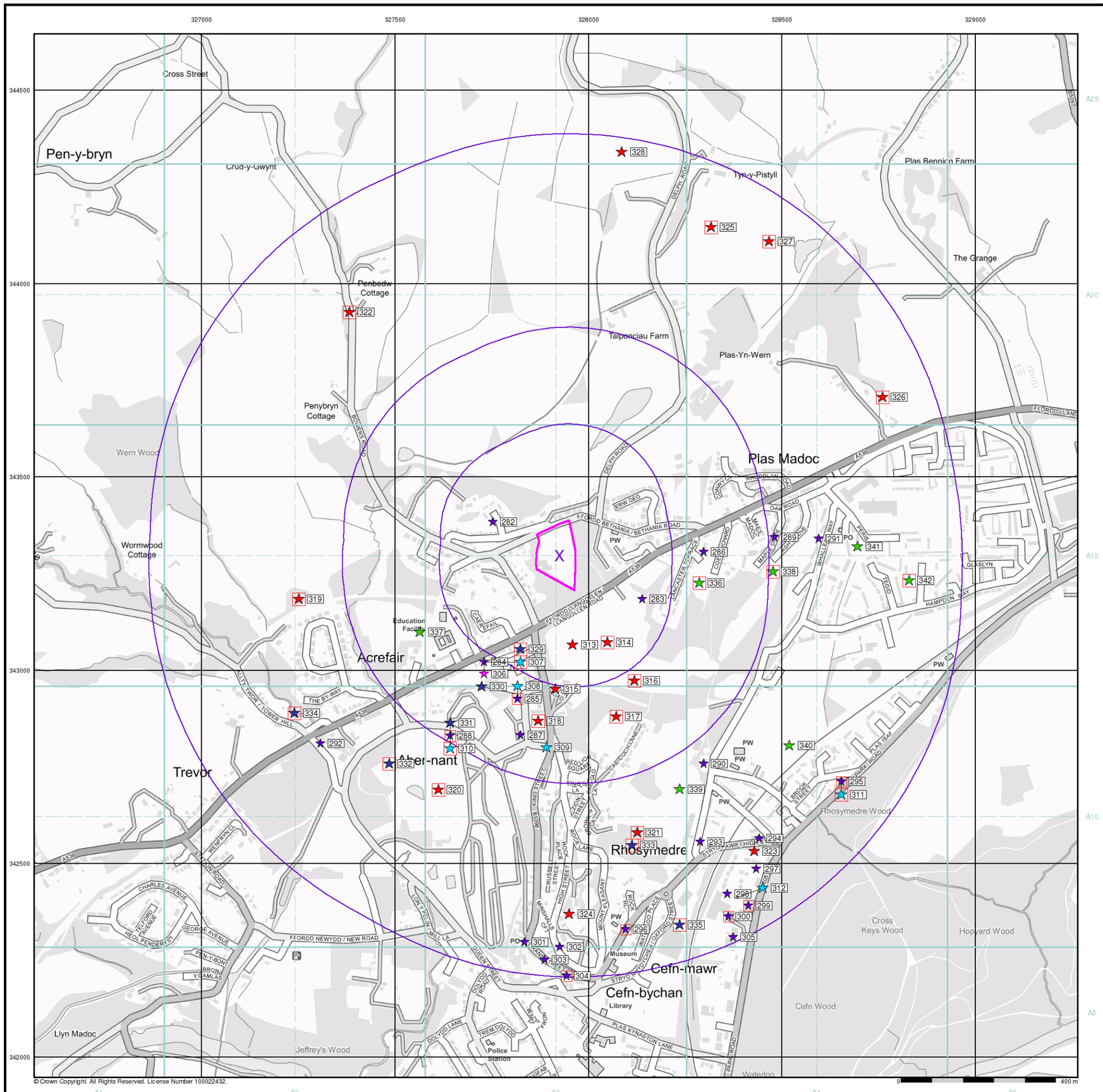
Order Details

Order Number:	280320239_1_1
Customer Ref:	46202
National Grid Reference:	327920, 343300
Slice:	A
Site Area (Ha):	1.31
Search Buffer (m):	1000

Site Details

Site at 327910, 343310

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Industrial Land Use Map

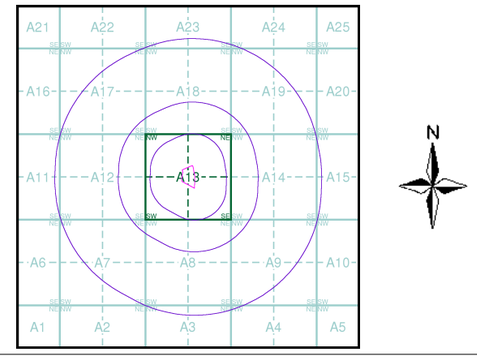
General

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

Industrial Land Use

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

Industrial Land Use Map - Slice A



Order Details

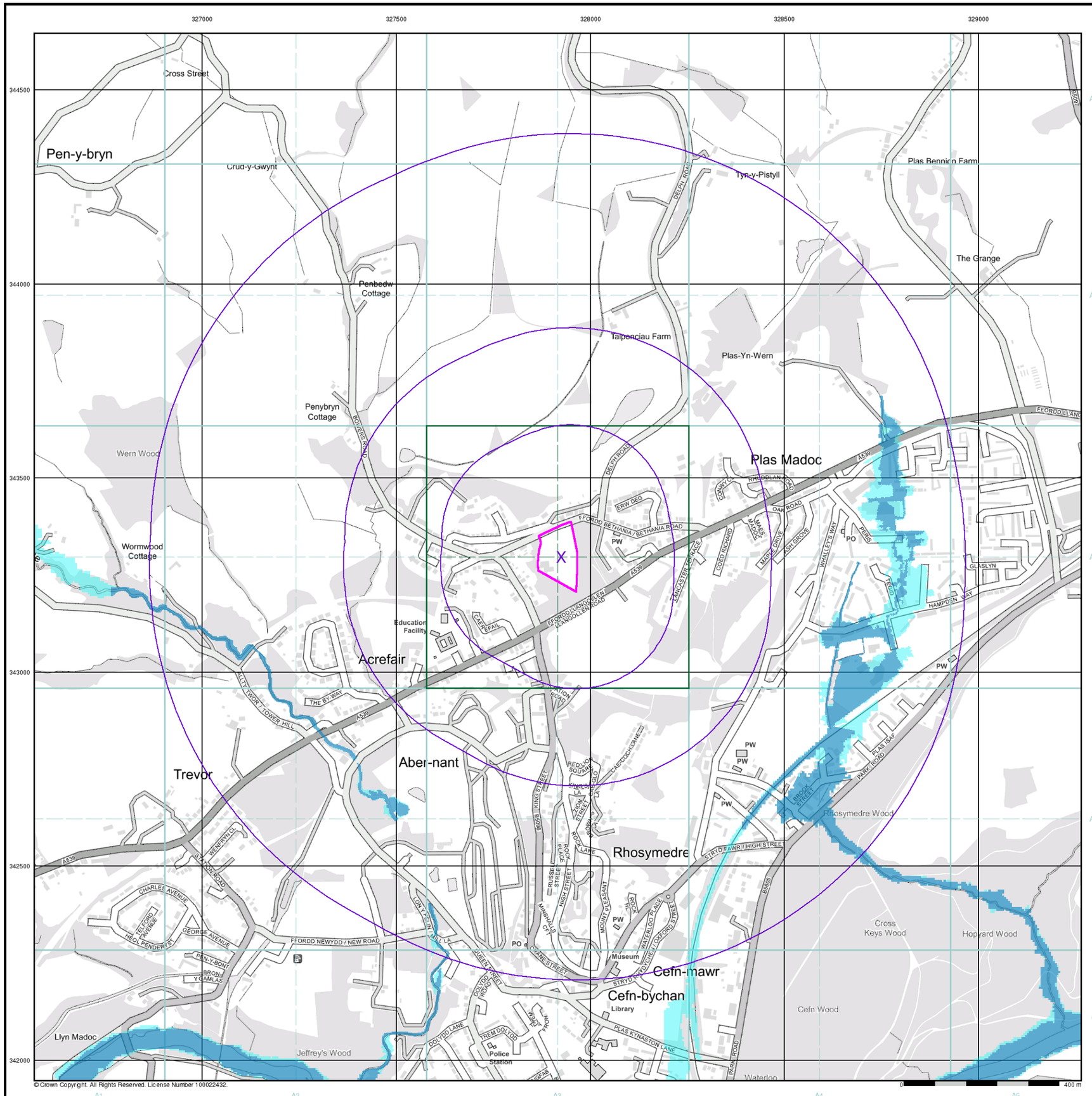
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Slice:	A
Site Area (Ha):	1.31
Search Buffer (m):	1000

Site Details

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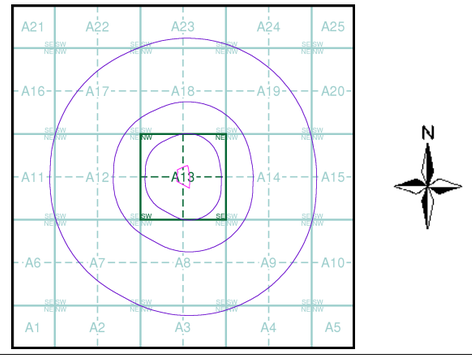
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A



Order Details

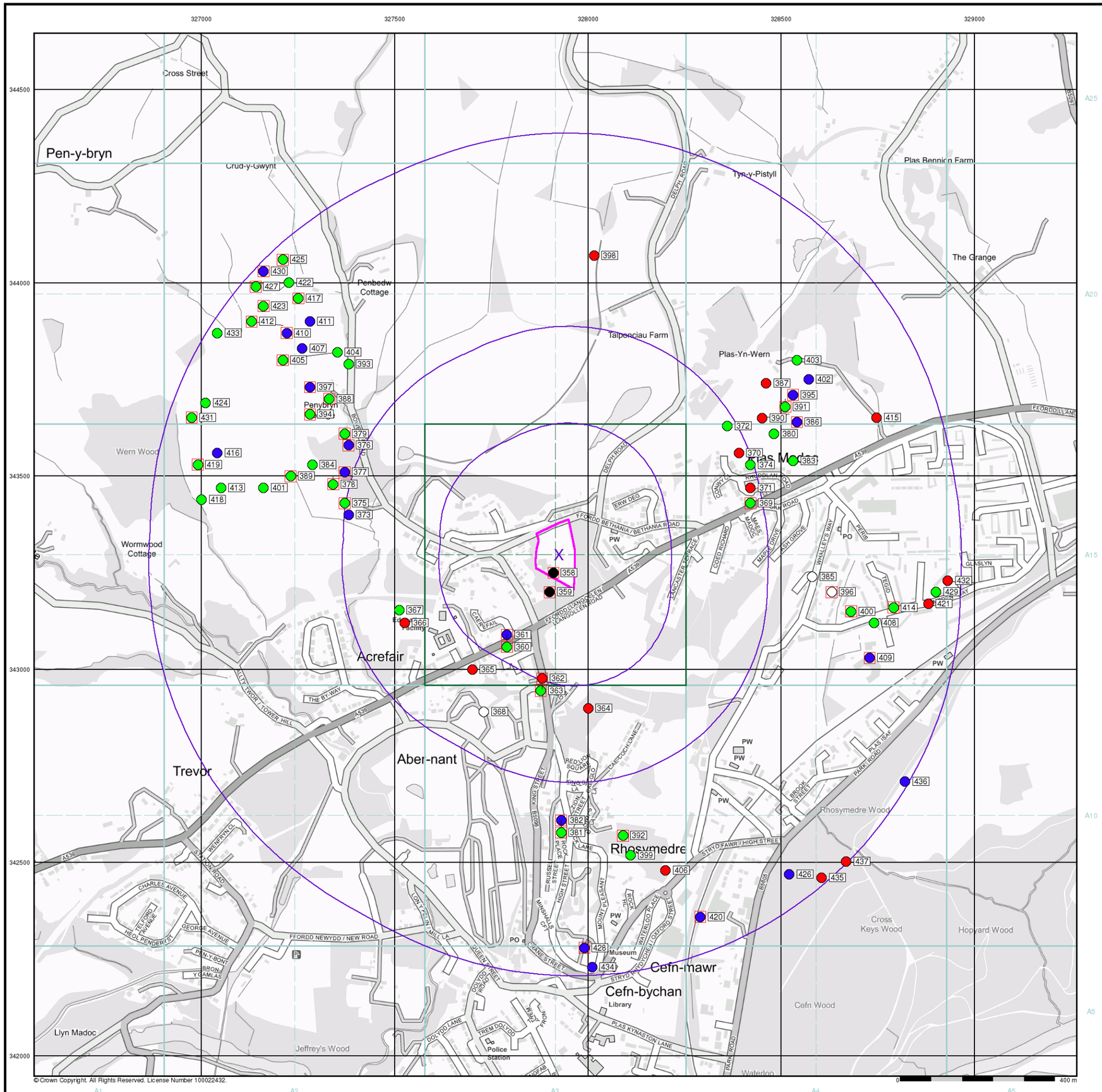
Order Number:	280320239_1_1
Customer Ref:	46202
National Grid Reference:	327920, 343300
Slice:	A
Site Area (Ha):	1.31
Search Buffer (m):	1000

Site Details

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General

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

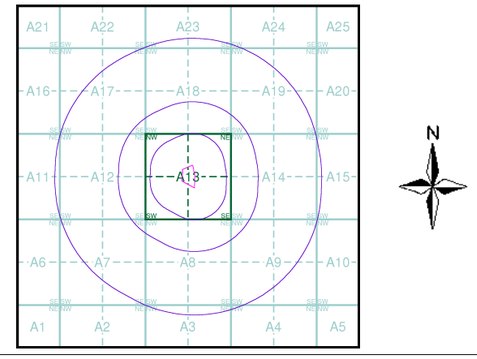
Agency and Hydrological (Boreholes)

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

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice A

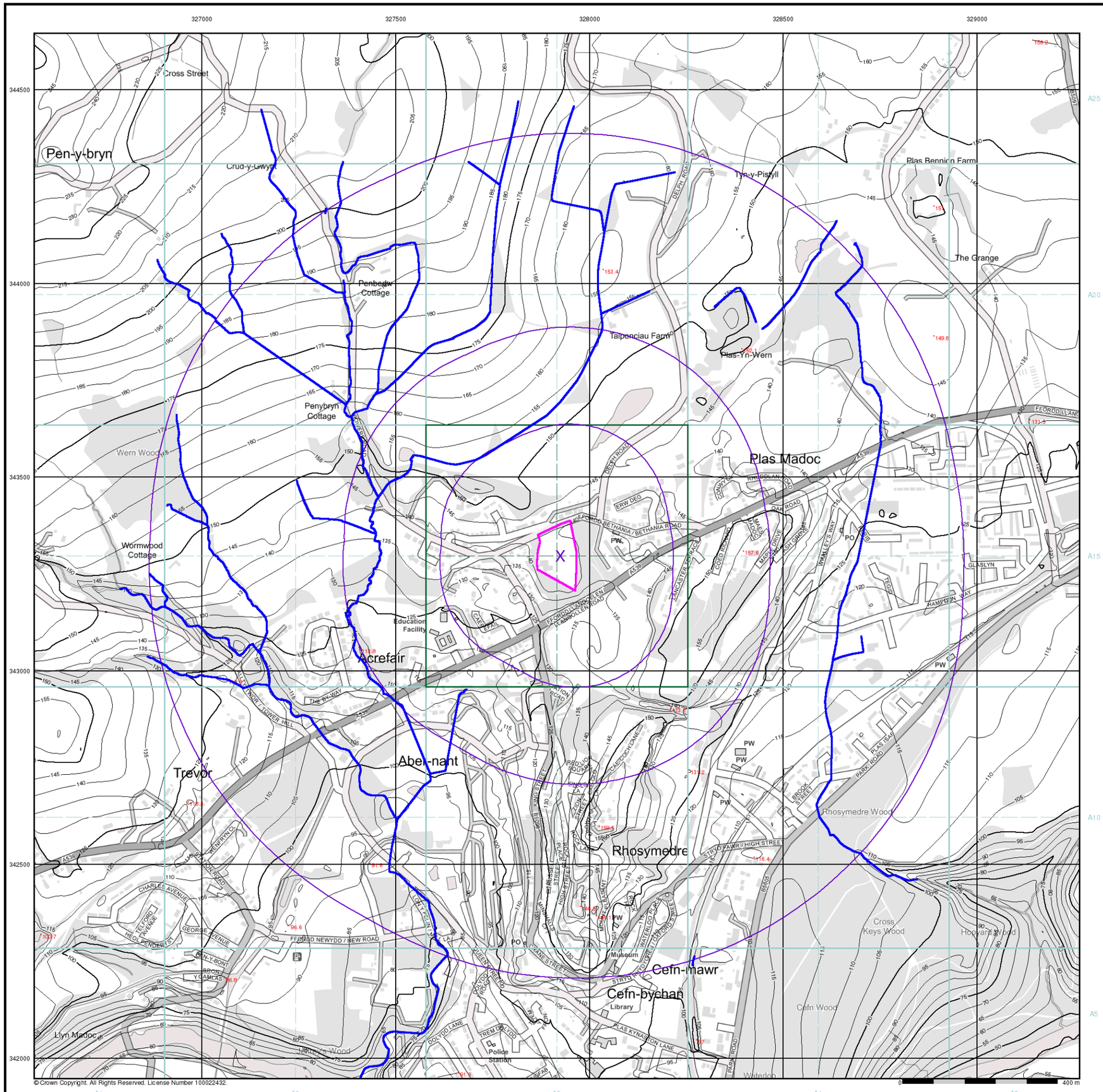


Order Details

Order Number:	280320239_1_1
Customer Ref:	46202
National Grid Reference:	327920, 343300
Slice:	A
Site Area (Ha):	1.31
Search Buffer (m):	1000

Site Details

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General

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

OS Water Network Data

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

Contours (height in meters)

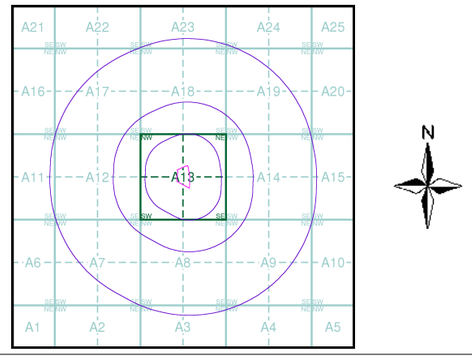
Standard Contour 105 100 95

Master Contour

Spot Height 167.3

- MLW Mean Low Water
- MHW Mean High Water

OS Water Network Map - Slice A



Order Details

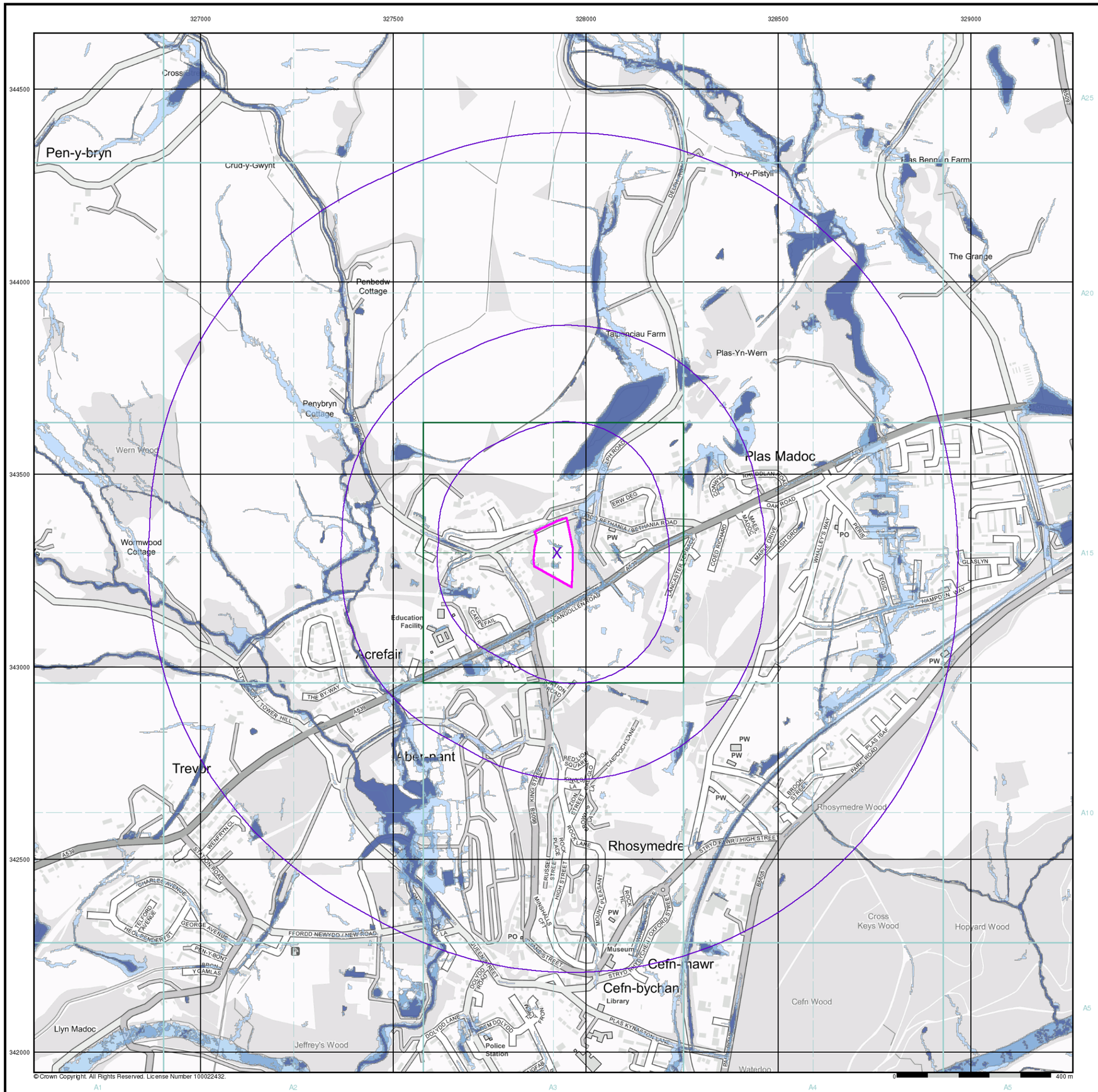
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Customer Ref:	46202
National Grid Reference:	327920, 343300
Slice:	A
Site Area (Ha):	1.31
Search Buffer (m):	1000

Site Details

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General

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

Risk of Flooding from Surface Water

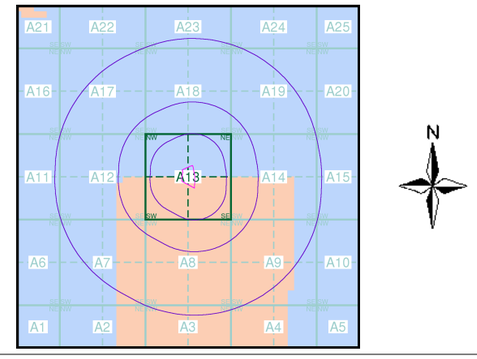
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

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

EA/NRW Suitability Map - Slice A



Order Details

Order Number:	280320239_1_1
Customer Ref:	46202
National Grid Reference:	327920, 343300
Slice:	A
Site Area (Ha):	1.31
Search Buffer (m):	1000

Site Details

Site at 327910, 343310

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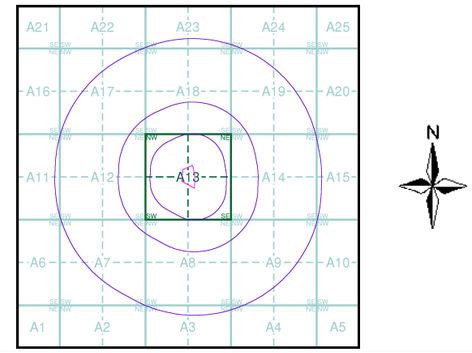
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg

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

Estimated Soil Chemistry Arsenic - Slice A



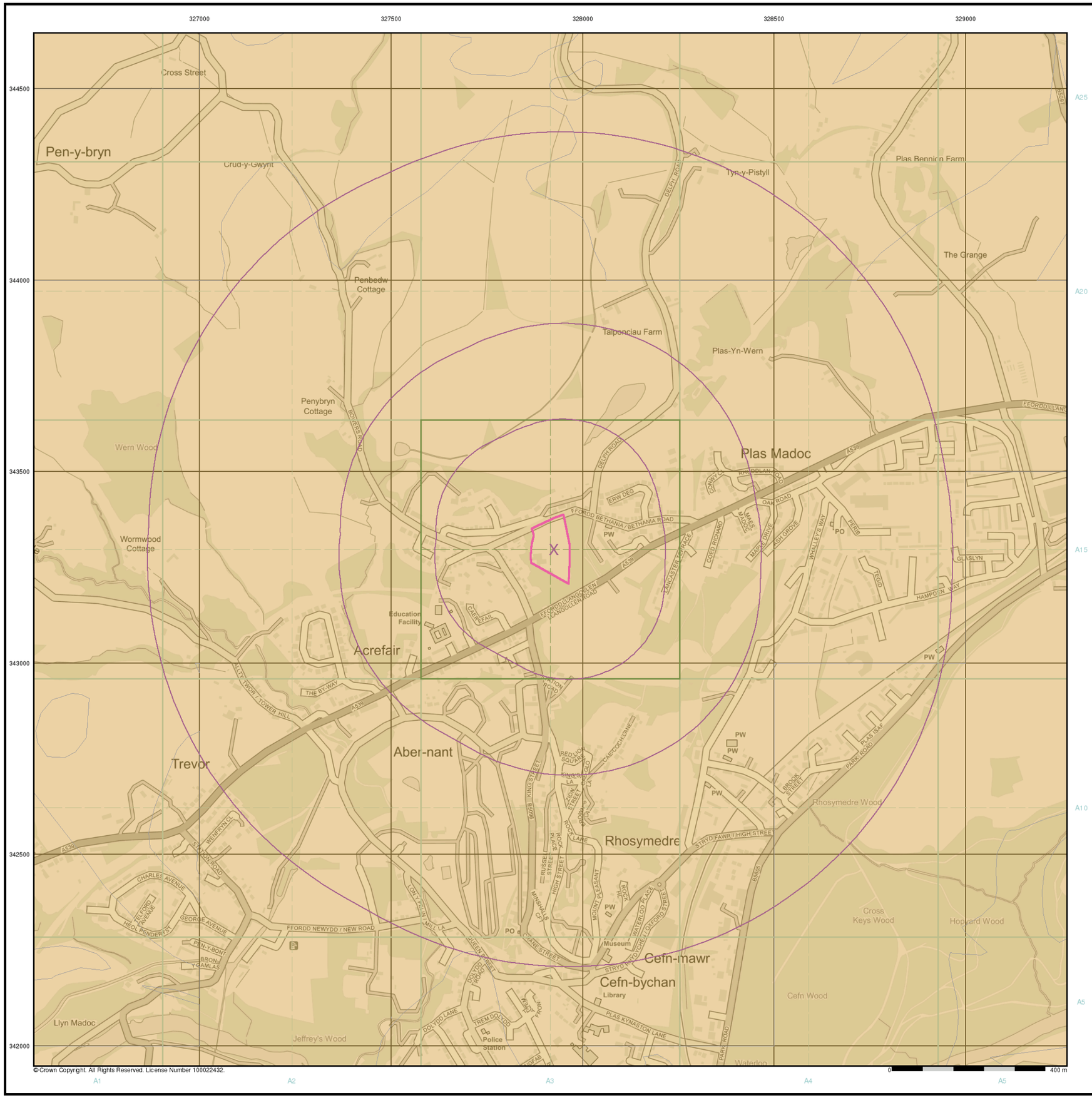
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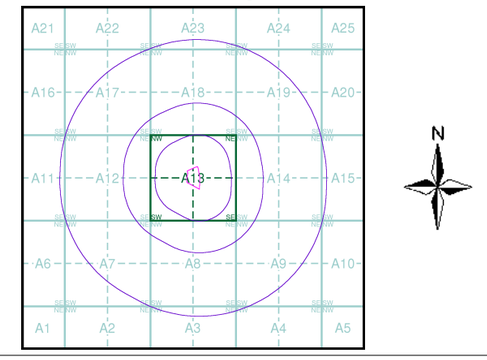
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg

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

Estimated Soil Chemistry Cadmium - Slice A



Order Details

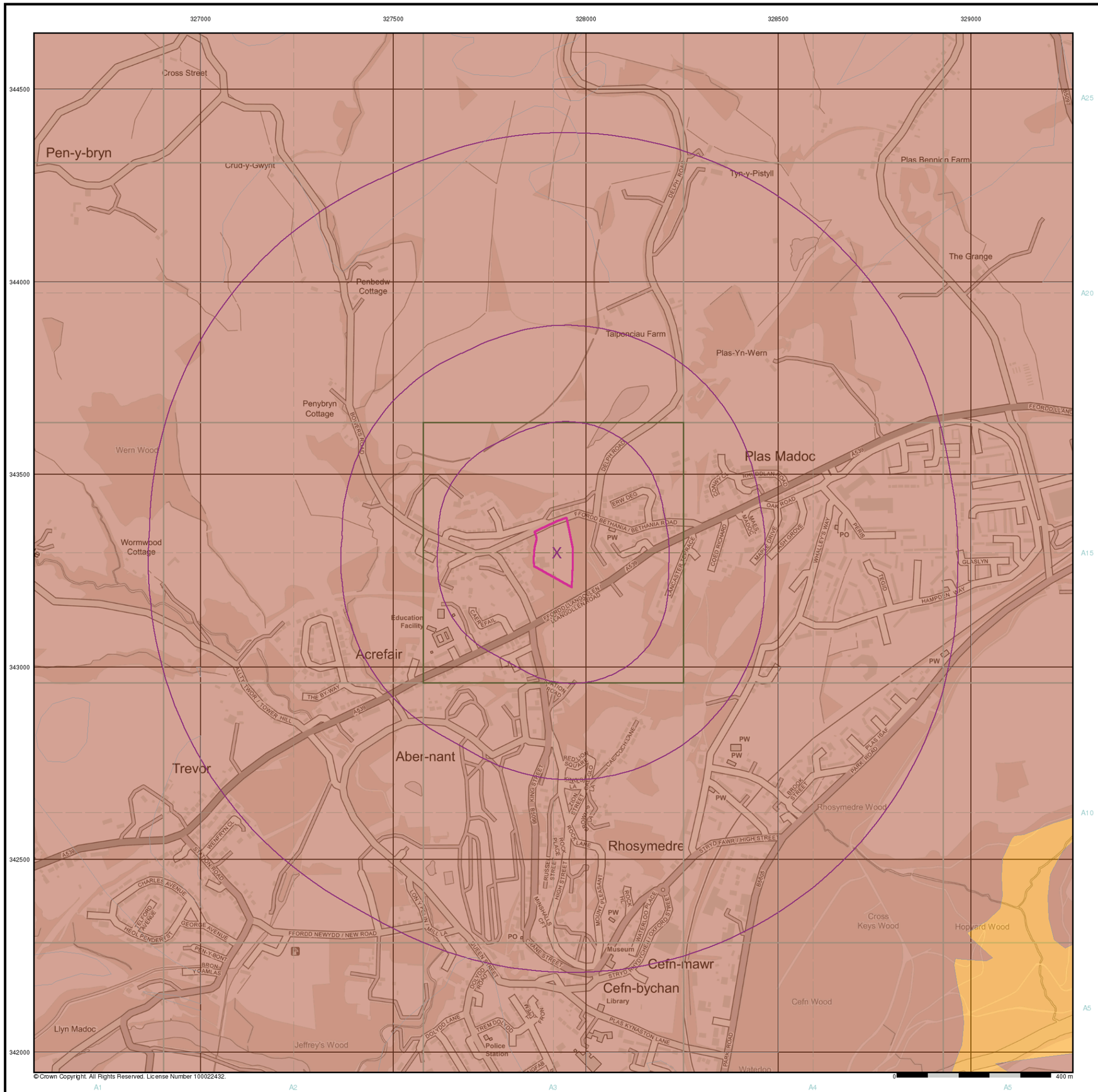
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National Grid Reference:	327920, 343300
Slice:	A
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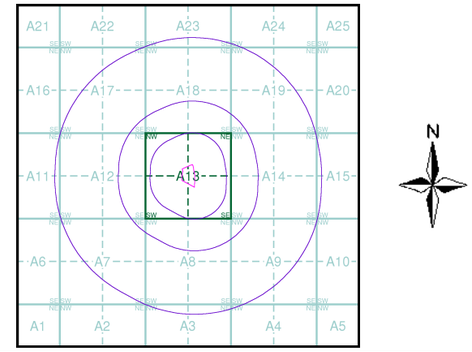
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg

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

Estimated Soil Chemistry Chromium - Slice A



Order Details

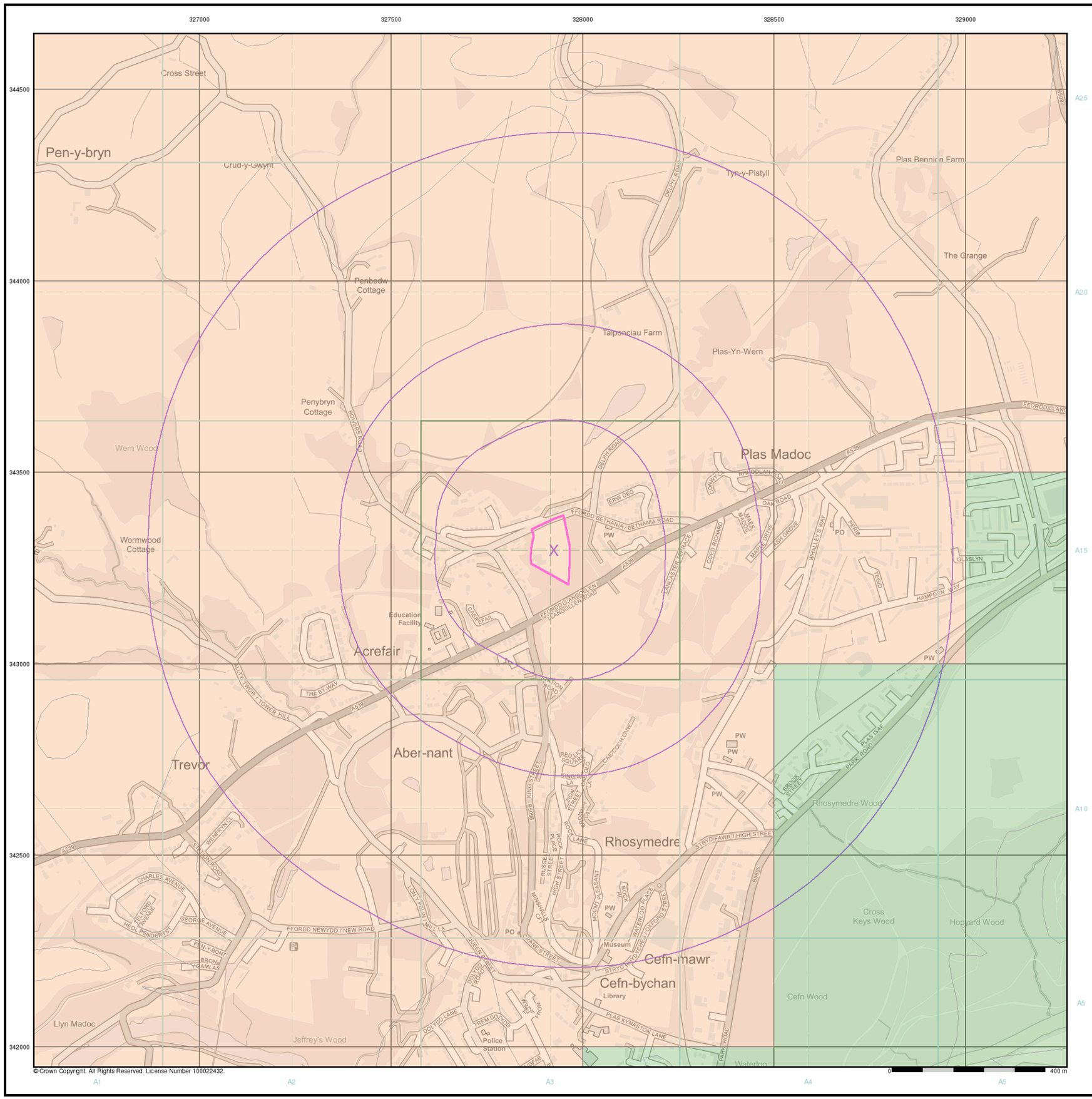
Order Details:	280320239_1_1
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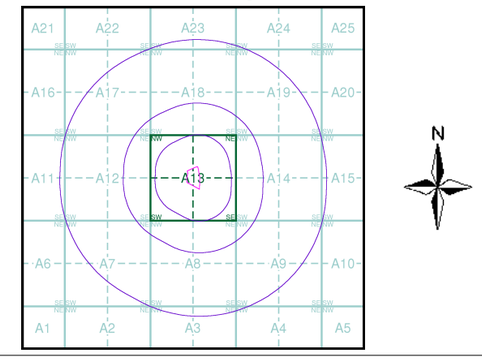
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg

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

Estimated Soil Chemistry Lead - Slice A



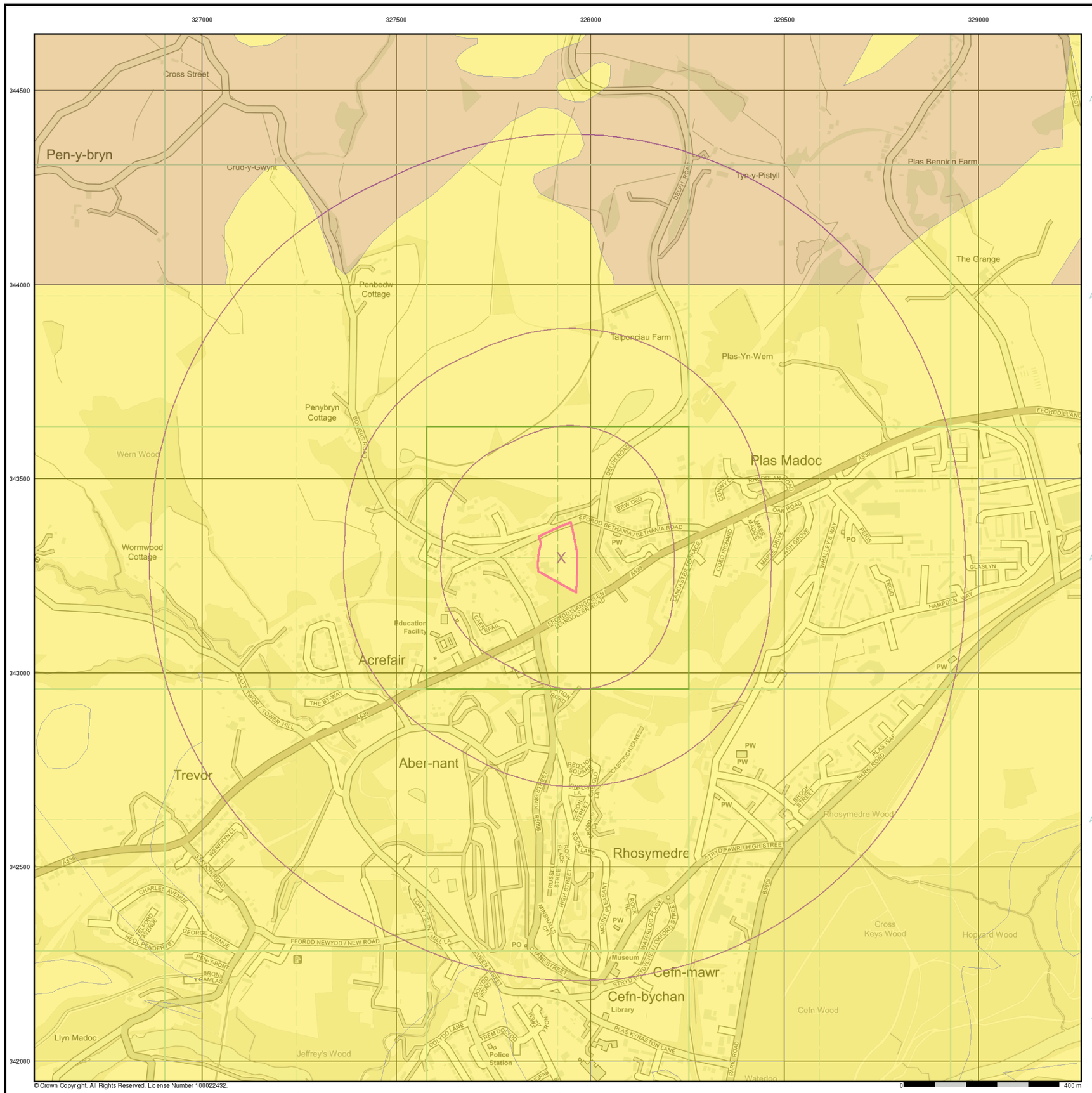
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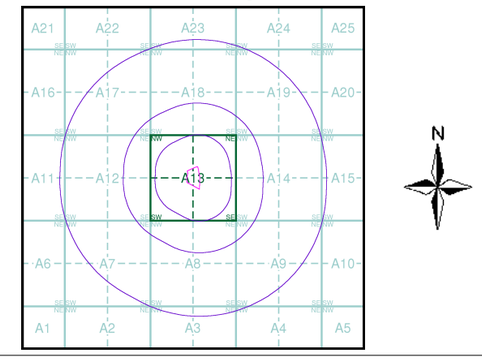
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg

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

Estimated Soil Chemistry Nickel - Slice A



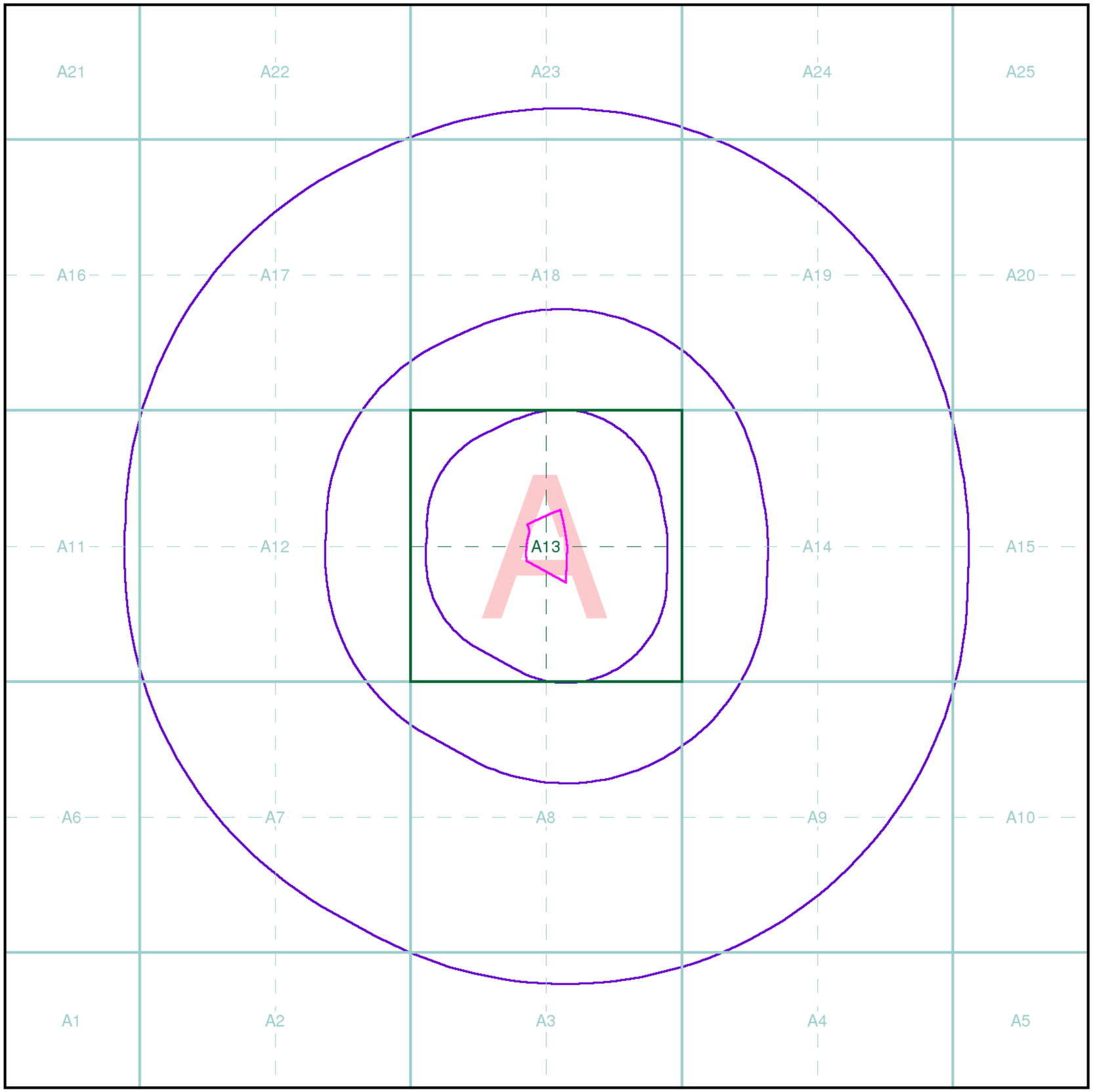
Order Details

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Index Map

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

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

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

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

A selection of organisations who provide data within this report:

Map data

British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL

Cyfoeth Naturiol Cymru
Natural Resources Wales

Envirocheck reports are compiled from 136 different sources of data.

Client Details

Ms K Shore, Eastwood & Partners Ltd, St Andrews House, 23 Kingfield Road, Sheffield, S11 9AS

Order Details

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Search Buffer (m):	1000

Site Details

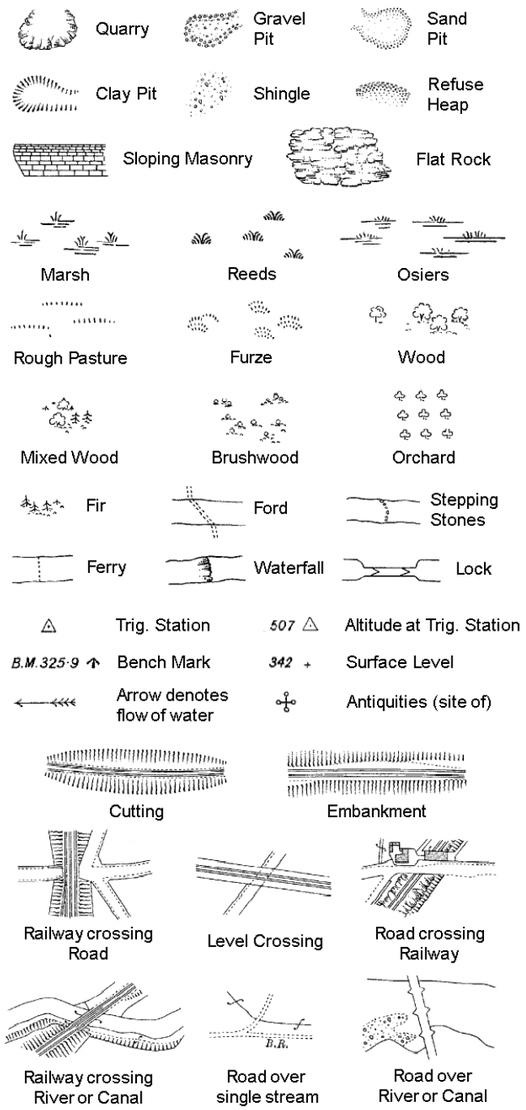
Site at 327910, 343310

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Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)

County & Civil Parish Boundary

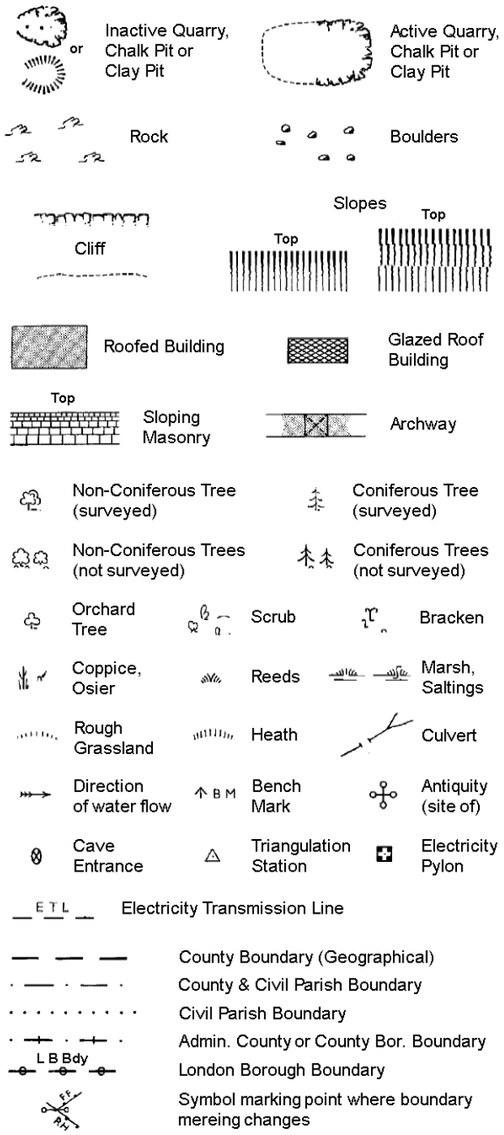
Administrative County & Civil Parish Boundary

Co. Boro. Bdy. County Borough Boundary (England)

Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

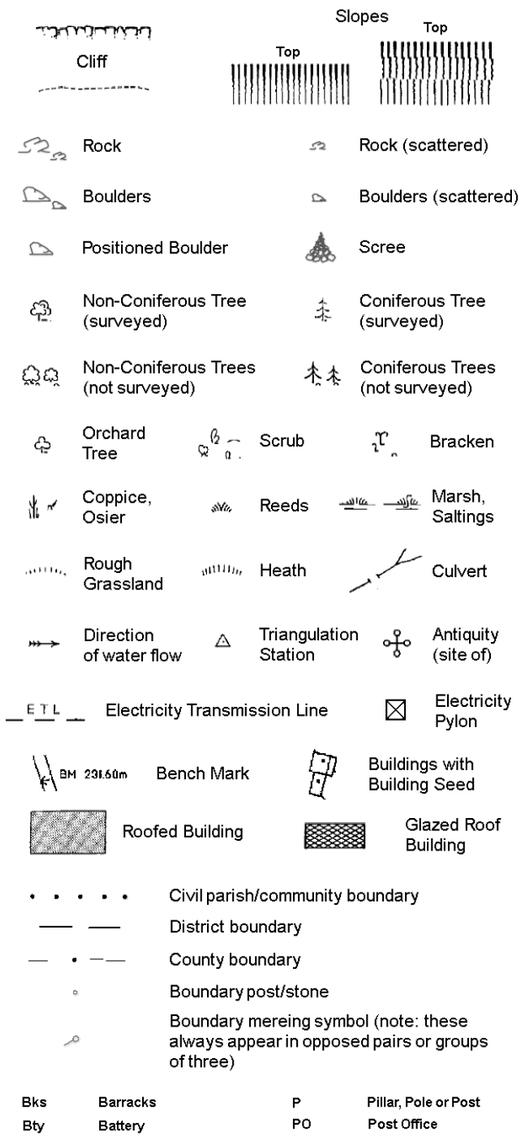
Admin. County or County Bor. Boundary

L B Bdy London Borough Boundary

Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



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)

Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

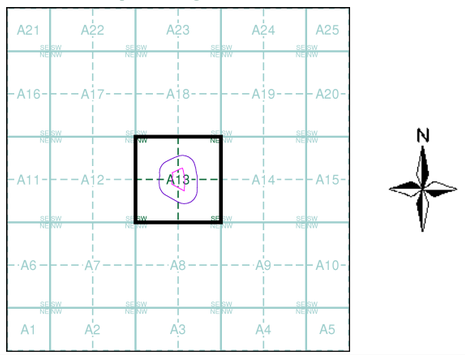
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Denbighshire	1:2,500	1874	2
Denbighshire	1:2,500	1899	3
Denbighshire	1:2,500	1912	4
Ordnance Survey Plan	1:2,500	1962 - 1963	5
Additional SIMs	1:2,500	1962 - 1980	6
Ordnance Survey Plan	1:2,500	1968	7
Ordnance Survey Plan	1:2,500	1972	8
Supply of Unpublished Survey Information	1:2,500	1974	9
Additional SIMs	1:2,500	1978 - 1991	10
Additional SIMs	1:2,500	1988 - 1992	11
Ordnance Survey Plan	1:2,500	1991	12
Large-Scale National Grid Data	1:2,500	1994	13
Historical Aerial Photography	1:2,500	2001	14

Historical Map - Segment A13



Order Details

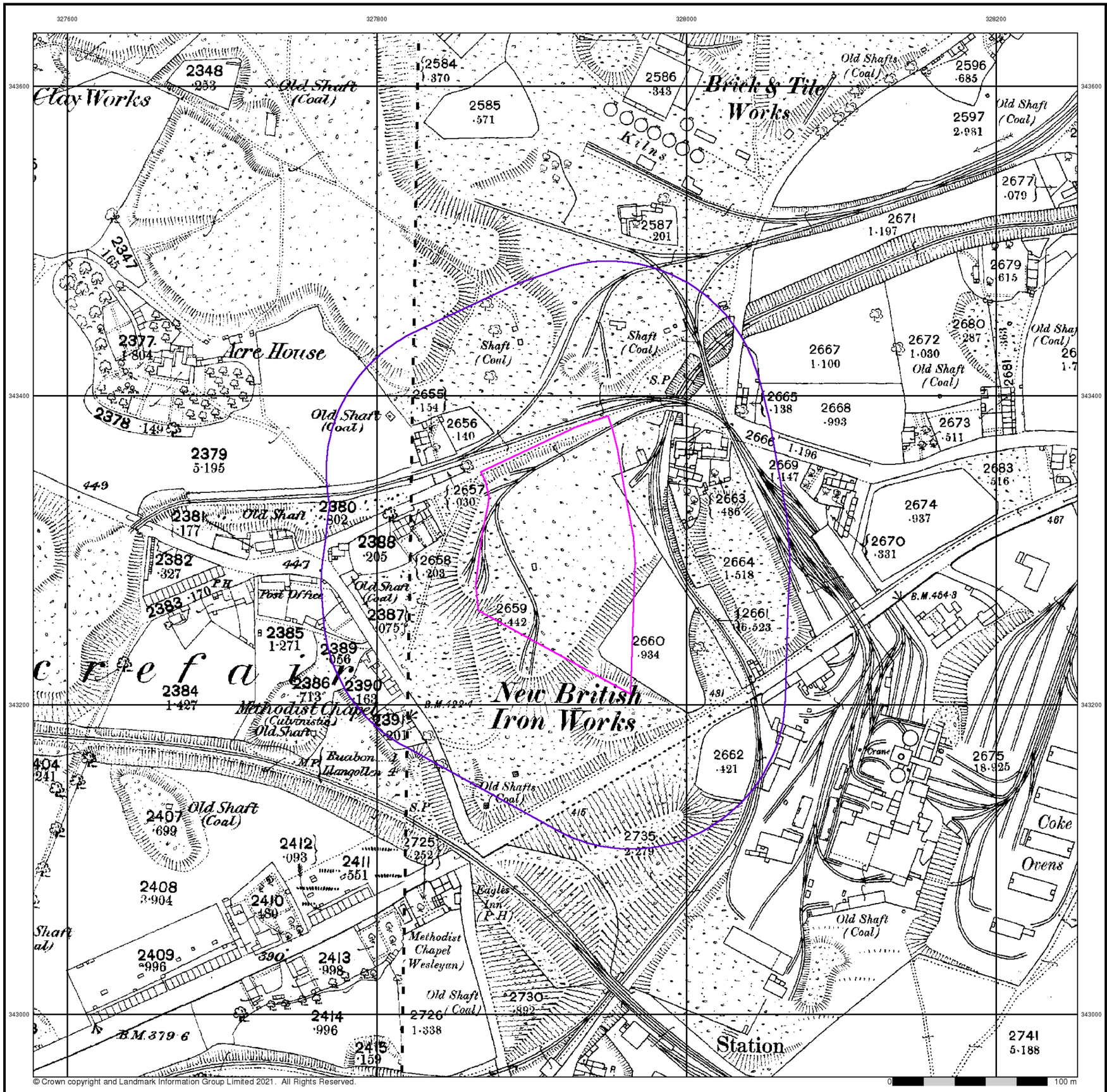
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Customer Ref:	46202
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Search Buffer (m):	100

Site Details

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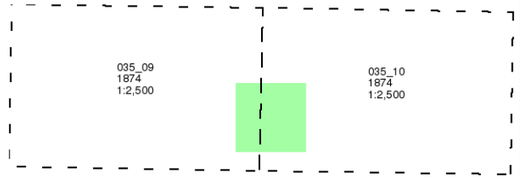
Denbighshire

Published 1874

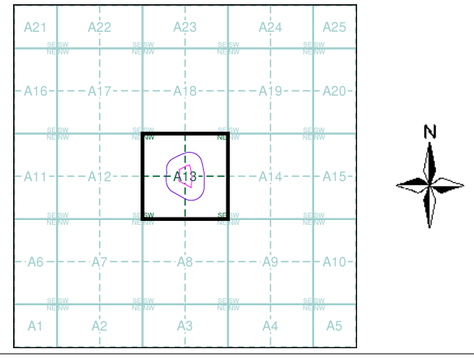
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

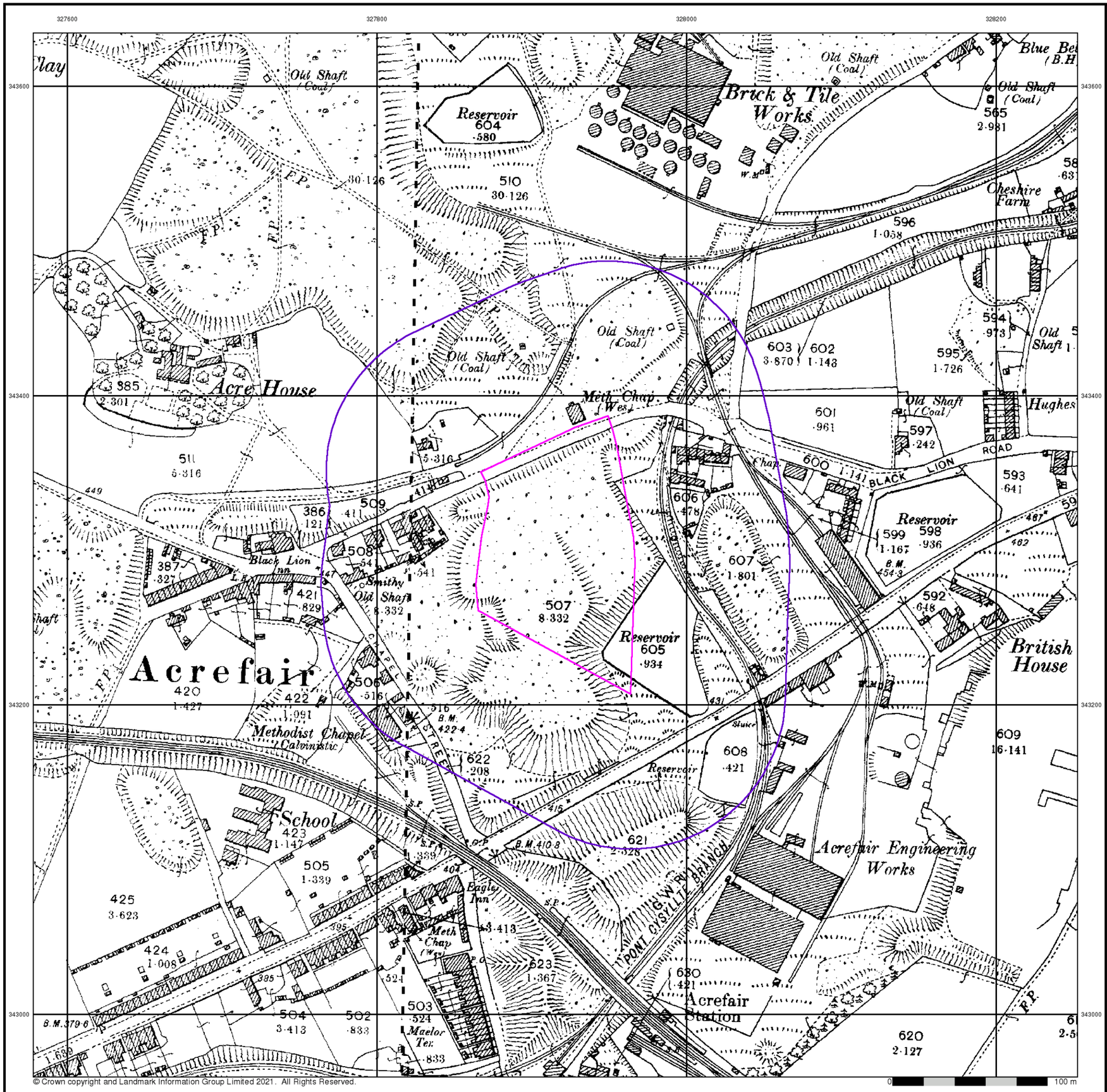
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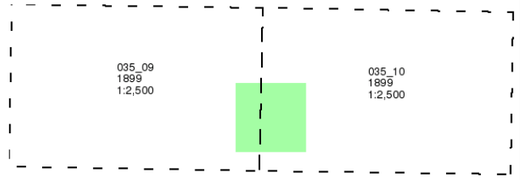
Denbighshire

Published 1899

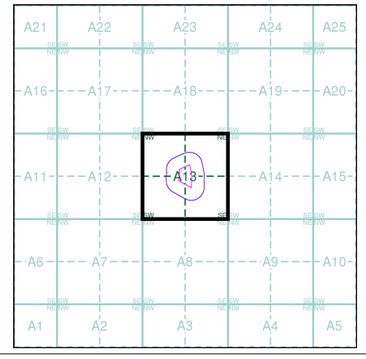
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

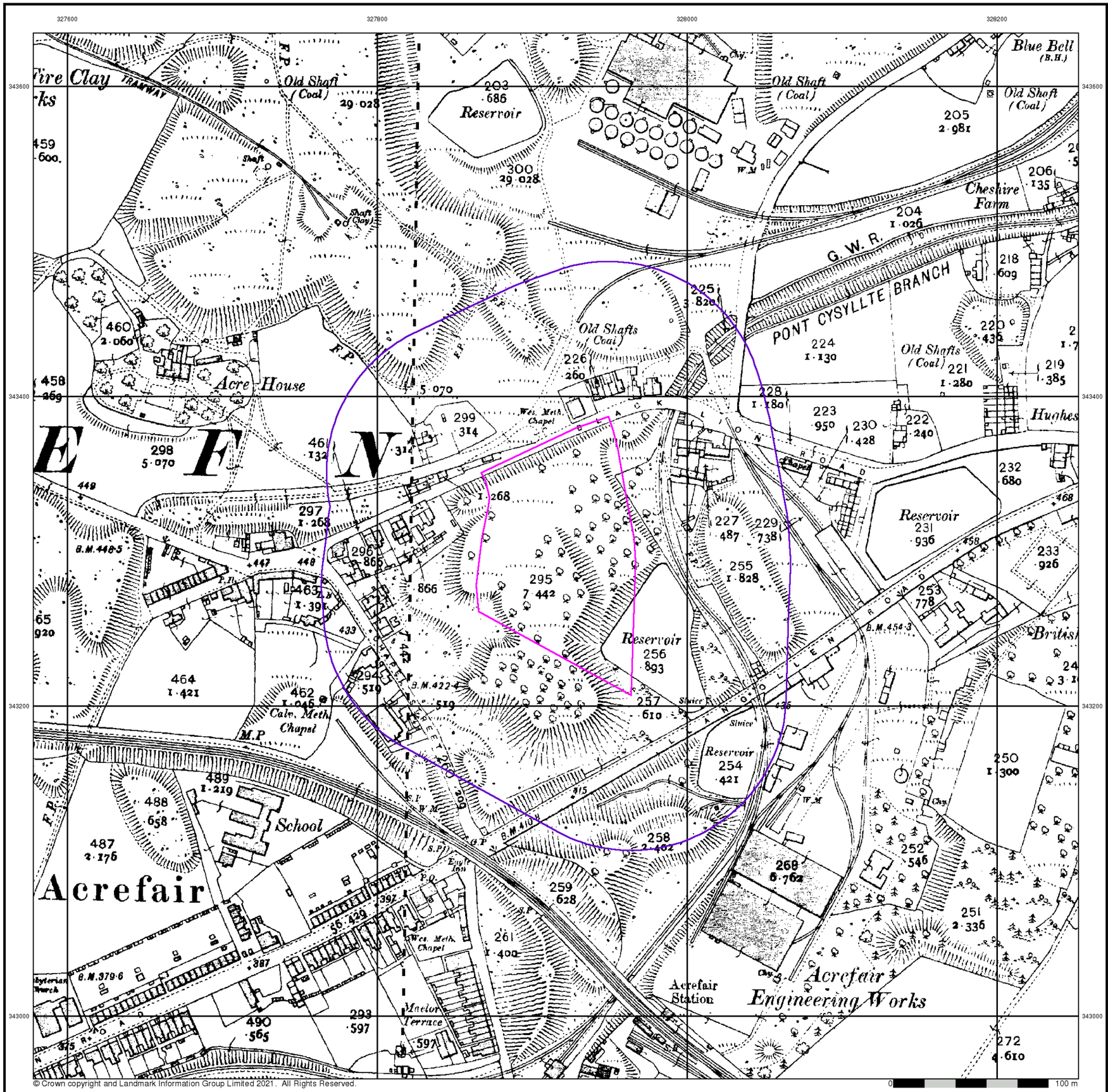
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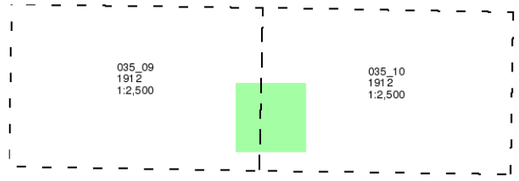
Denbighshire

Published 1912

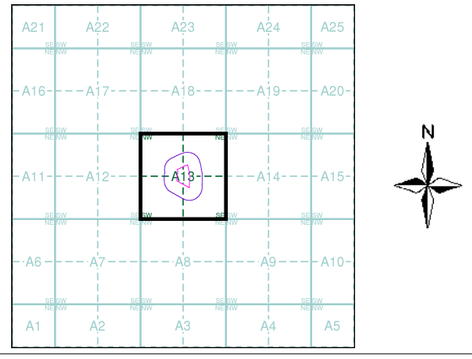
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



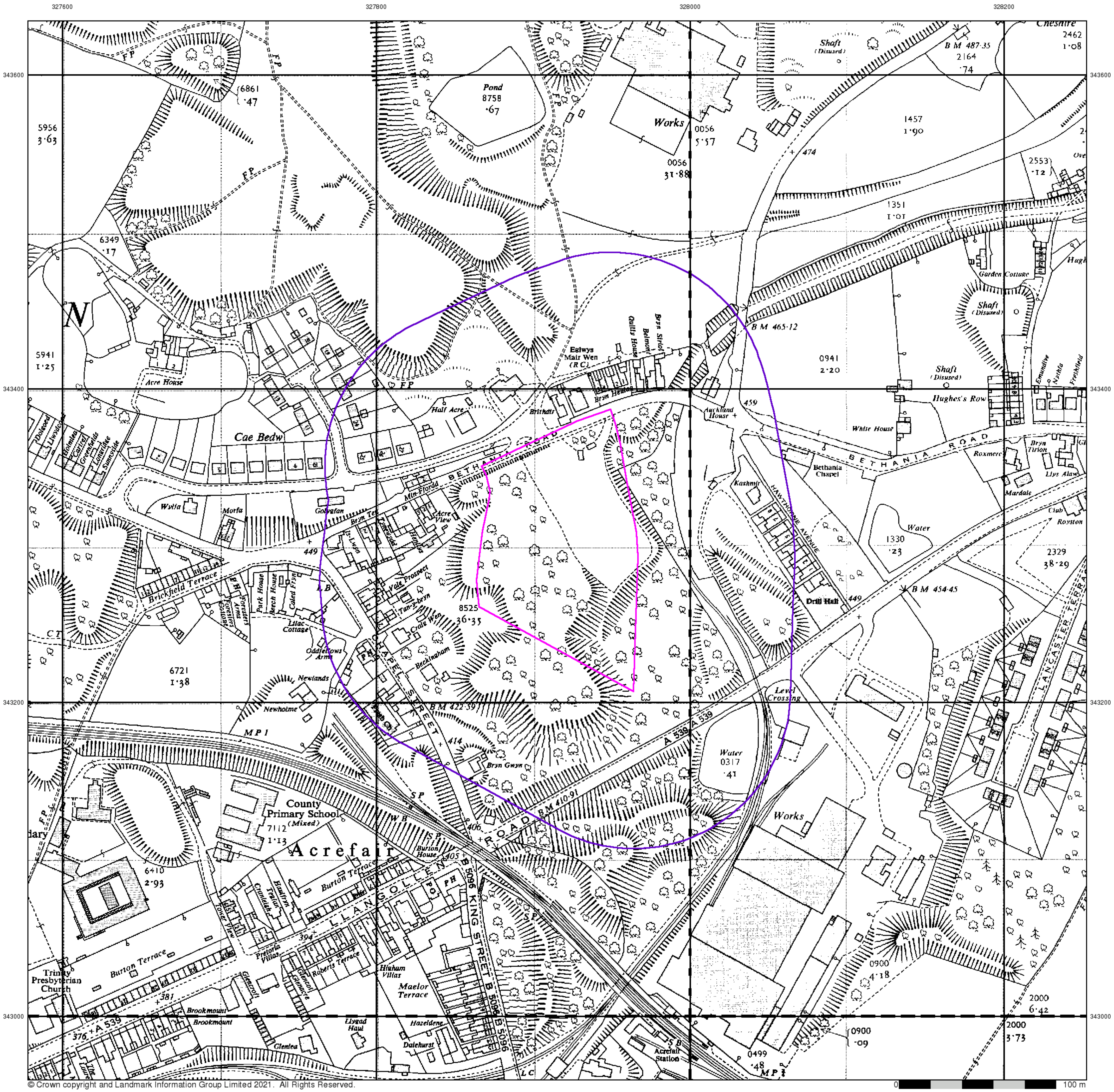
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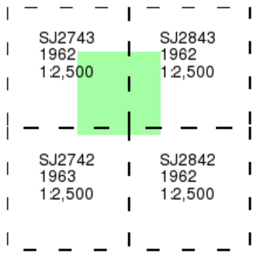
Ordnance Survey Plan

Published 1962 - 1963

Source map scale - 1:2,500

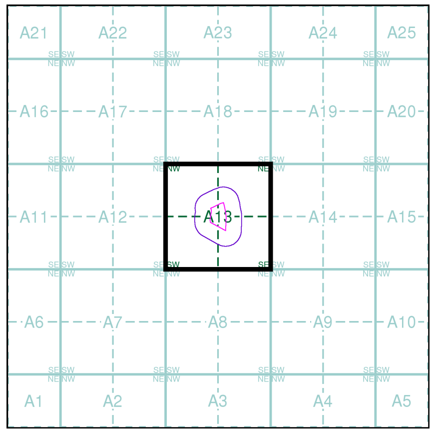
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



SJ2743 1962 1:2,500	SJ2843 1962 1:2,500
SJ2742 1963 1:2,500	SJ2842 1962 1:2,500

Historical Map - Segment A13





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Additional SIMs

Published 1962 - 1980

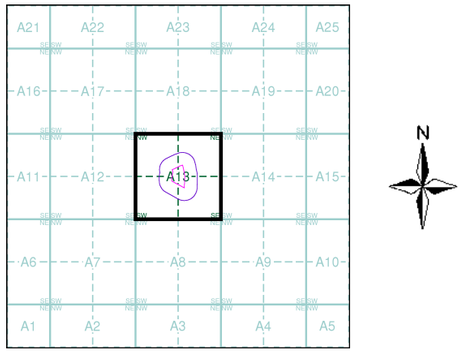
Source map scale - 1:2,500

The SIM cards (Ordnance Survey's `Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SJ2743 1962 1:2,500	SJ2843 1980 1:2,500
SJ2742 1963 1:2,500	SJ2842 1962 1:2,500

Historical Map - Segment A13



Order Details

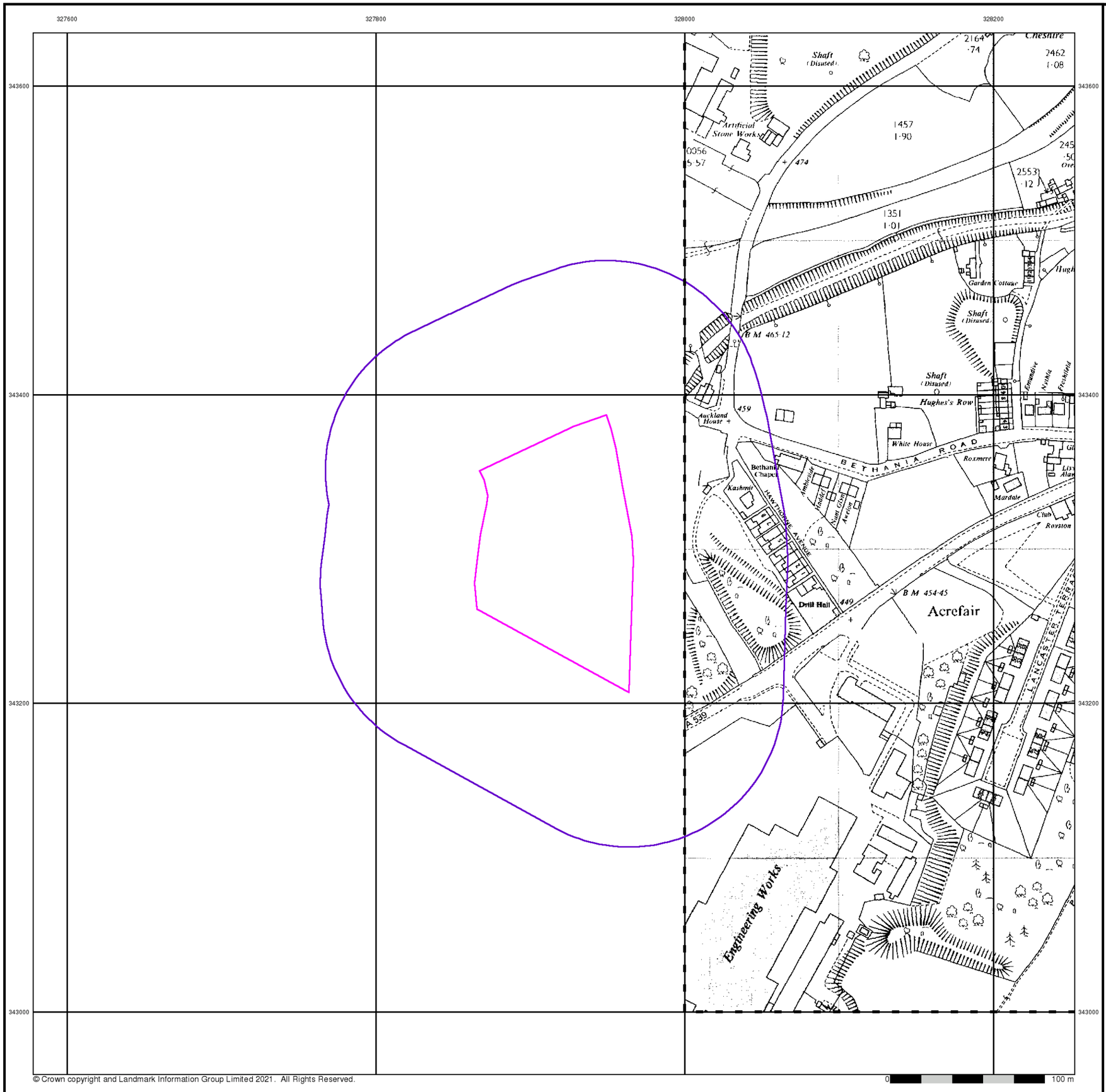
Order Number:	280320239_1_1
Customer Ref:	46202
National Grid Reference:	327920, 343300
Slice:	A
Site Area (Ha):	1.31
Search Buffer (m):	100

Site Details

Site at 327910, 343310

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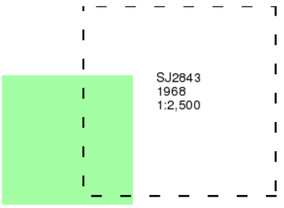
Ordnance Survey Plan

Published 1968

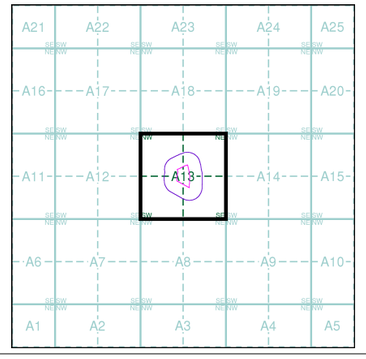
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	280320239_1_1
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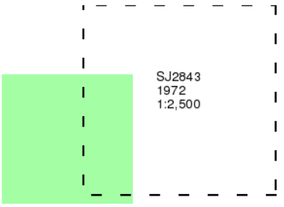
Ordnance Survey Plan

Published 1972

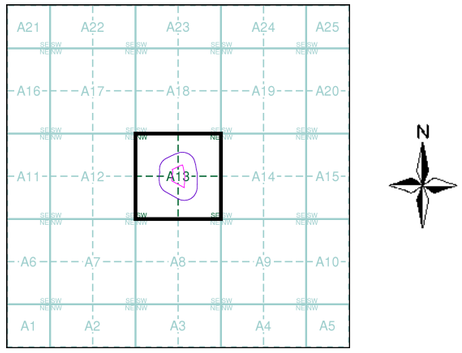
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



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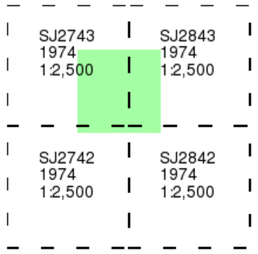
Supply of Unpublished Survey Information

Published 1974

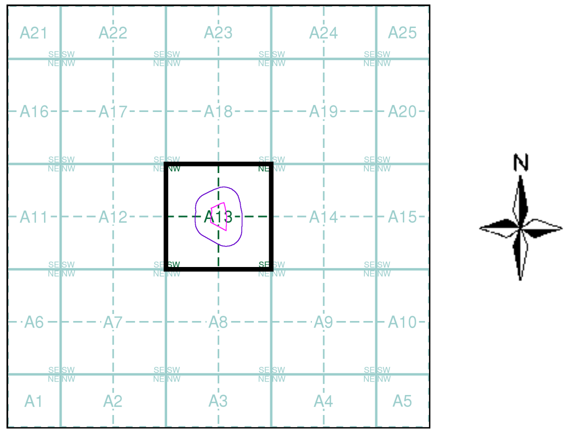
Source map scale - 1:2,500

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a `work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

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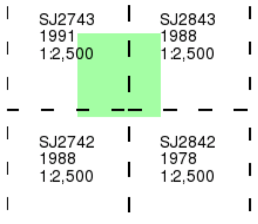
Additional SIMs

Published 1978 - 1991

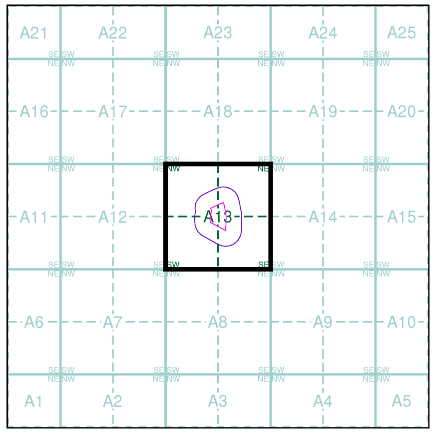
Source map scale - 1:2,500

The SIM cards (Ordnance Survey's `Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13





Order Details

Order Number: 280320239_1_1
Customer Ref: 46202
National Grid Reference: 327920, 343300
Slice: A
Site Area (Ha): 1.31
Search Buffer (m): 100

Site Details

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Additional SIMs

Published 1988 - 1992

Source map scale - 1:2,500

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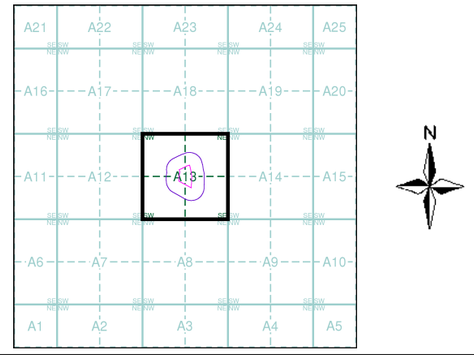
Map Name(s) and Date(s)

SJ2743
1992
1:2,500

SJ2742
1992
1:2,500

SJ2842
1988
1:2,500

Historical Map - Segment A13



Order Details

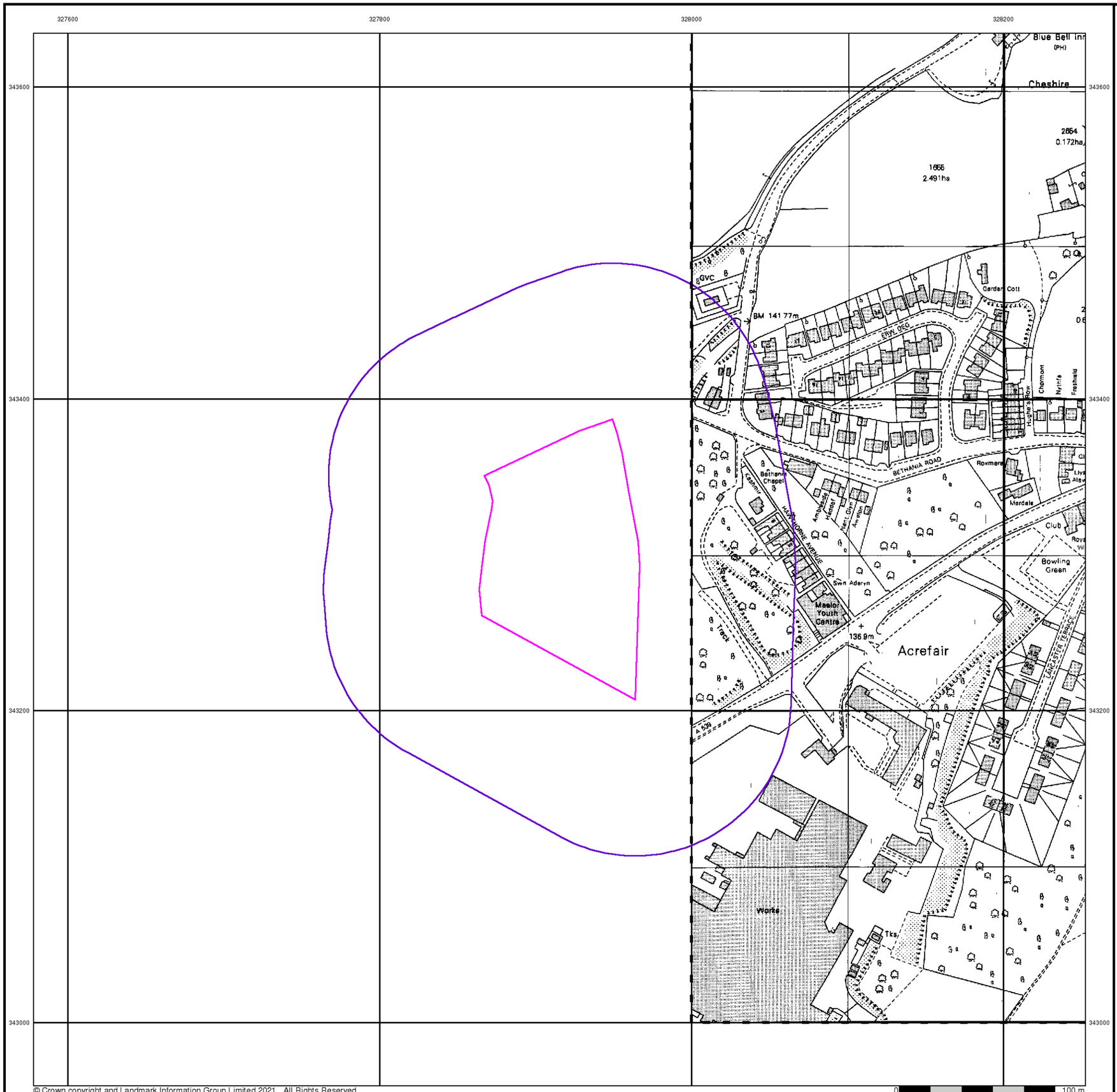
Order Number:	280320239_1_1
Customer Ref:	46202
National Grid Reference:	327920, 343300
Slice:	A
Site Area (Ha):	1.31
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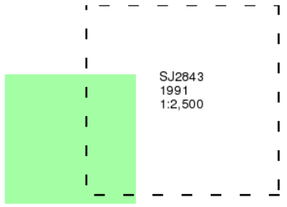
Ordnance Survey Plan

Published 1991

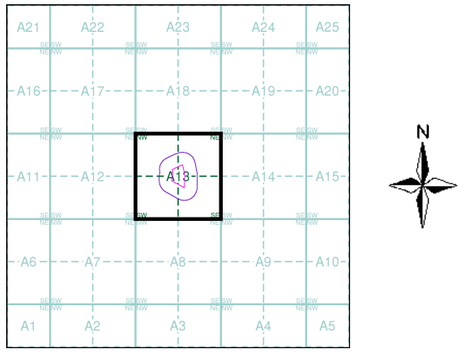
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

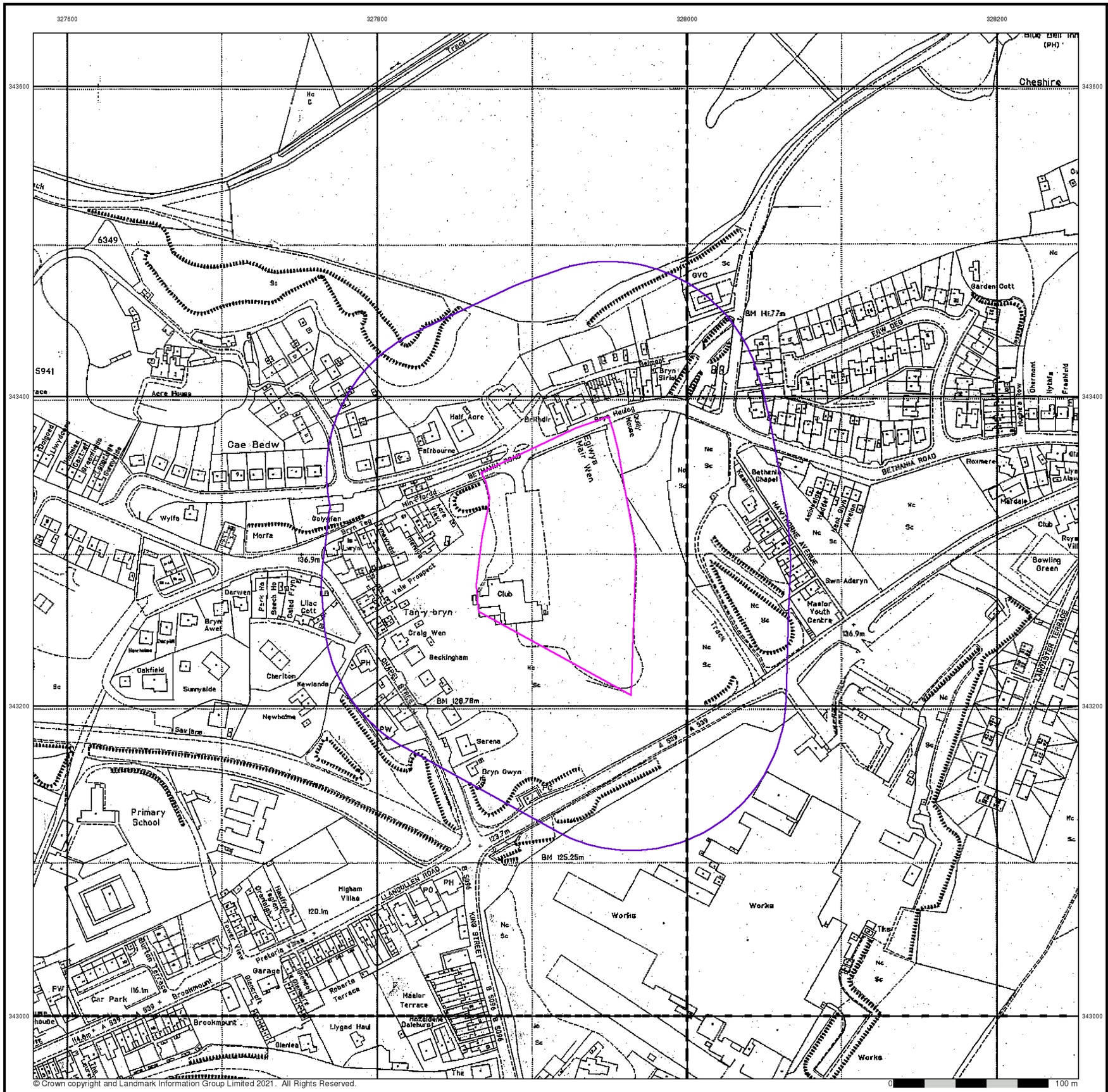
Order Number:	280320239_1_1
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Large-Scale National Grid Data

Published 1994

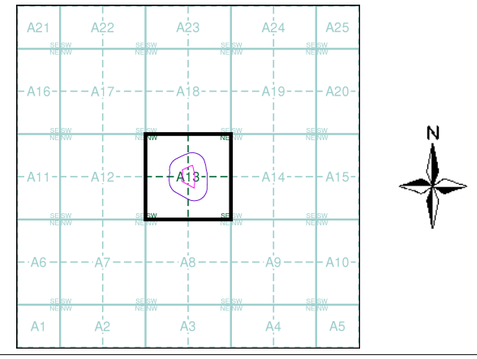
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SJ2743 1994 1:2,500	SJ2843 1994 1:2,500
SJ2742 1994 1:2,500	SJ2842 1994 1:2,500

Historical Map - Segment A13



Order Details

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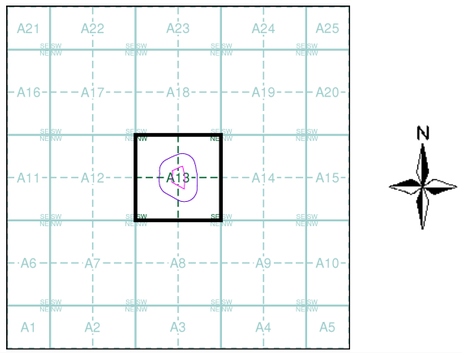
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Historical Aerial Photography

Published 2001

This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

Historical Aerial Photography - Segment A13



Order Details

Order Number:	280320239_1_1
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Slice:	A
Site Area (Ha):	1.31
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Site Details

Site at 327910, 343310

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

Gravel Pit
Sand Pit
Other Pits
Quarry
Shingle
Orchard
Osiers
Reeds
Marsh
Mixed Wood
Deciduous
Brushwood
Fir
Furze
Rough Pasture
Arrow denotes flow of water
Trigonometrical Station
Site of Antiquities
Bench Mark
Pump, Guide Post, Signal Post
Well, Spring, Boundary Post
·285 Surface Level
Sketched Contour
Instrumental Contour
Main Roads
Fenced
Un-Fenced
Minor Roads
Fenced
Un-Fenced
Sunken Road
Raised Road
Road over Railway
Railway over River
Railway over Road
Level Crossing
Road over River or Canal
Road over Stream
Road over Stream
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)
R.D. Bdy. Rural District Boundary
Civil Parish Boundary

Ordnance Survey Plan 1:10,000

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
Coppice
Bracken
Heath
Rough Grassland
Marsh
Reeds
Saltings
Building
Direction of Flow of Water
Shingle
Sand
Glasshouse
Pylon
Electricity Transmission Line
Pole
Sloping Masonry
Cutting
Embankment
Standard Gauge Multiple Track
Road Under
Road Over
Level Crossing
Foot Bridge
Standard Gauge Single Track
Siding, Tramway or Mineral Line
Narrow Gauge
Geographical County
Administrative County, County Borough or County of City
Municipal Borough, Urban or Rural District, Burgh 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

BP, BS	Boundary Post or Stone	Pol Sta	Police Station
Ch	Church	PO	Post Office
CH	Club House	PC	Public Convenience
F E Sta	Fire Engine Station	PH	Public House
FB	Foot Bridge	SB	Signal Box
Fn	Fountain	Spr	Spring
GP	Guide Post	TCB	Telephone Call Box
MP	Mile Post	TCP	Telephone Call Post
MS	Mile Stone	W	Well

1:10,000 Raster Mapping

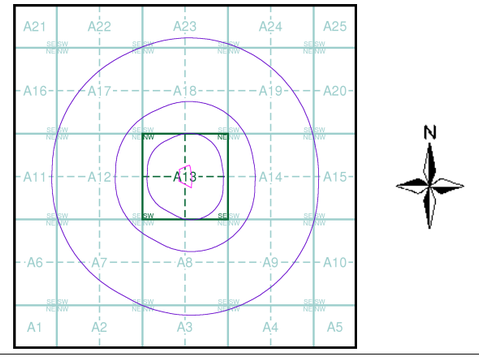
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community boundary
District, Unitary, Metropolitan, London Borough boundary
Constituency boundary
Area of wooded vegetation
Non-coniferous trees
Non-coniferous trees (scattered)
Coniferous trees
Coniferous trees (scattered)
Positioned tree
Orchard
Coppice or Osiers
Rough Grassland
Heath
Scrub
Marsh, Salt Marsh or Reeds
Water feature
Flow arrows
MHW(S) Mean high water (springs)
MLW(S) Mean low water (springs)
Telephone line (where shown)
Electricity transmission line (with poles)
BM 123.45 m Bench mark (where shown)
Triangulation station
Point feature (e.g. Guide Post or Mile Stone)
Pylon, flare stack or lighting tower
Site of (antiquity)
Glasshouse
General Building
Important Building

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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Denbighshire	1:10,560	1879	2
Denbighshire	1:10,560	1900	3
Denbighshire	1:10,560	1914	4
Denbighshire	1:10,560	1938	5
Denbighshire	1:10,560	1953 - 1954	6
Ordnance Survey Plan	1:10,000	1963	7
Ordnance Survey Plan	1:10,000	1977	8
Ordnance Survey Plan	1:10,000	1986	9
Ordnance Survey Plan	1:10,000	1995	10
10K Raster Mapping	1:10,000	2000	11
10K Raster Mapping	1:10,000	2006	12
VectorMap Local	1:10,000	2021	13

Historical Map - Slice A



Order Details

Order Number: 280320239_1_1
Customer Ref: 46202
National Grid Reference: 327920, 343300
Slice: A
Site Area (Ha): 1.31
Search Buffer (m): 1000

Site Details

Site at 327910, 343310

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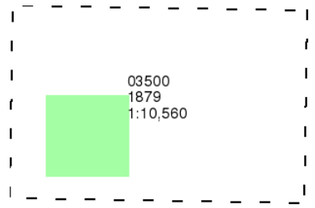
Denbighshire

Published 1879

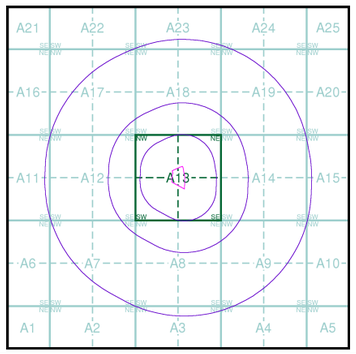
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

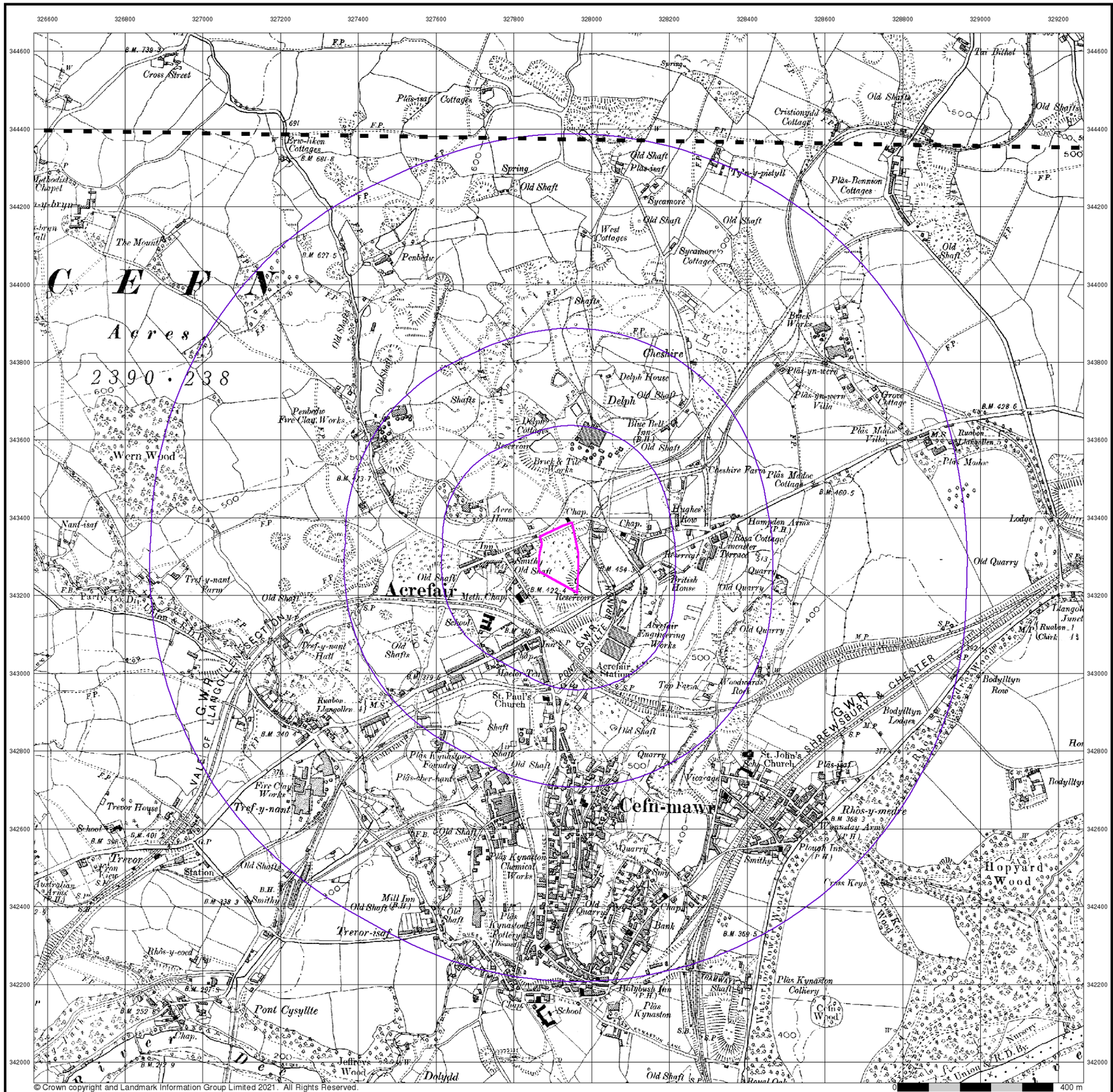
Order Number:	280320239_1_1
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Denbighshire

Published 1900

Source map scale - 1:10,560

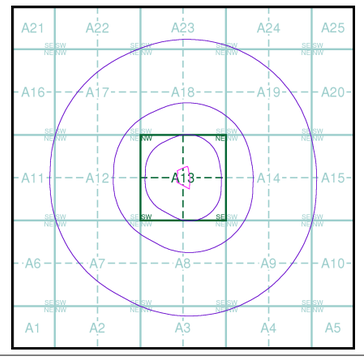
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some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

Map Name(s) and Date(s)

035NW
1900
1:10,560

035SW
1900
1:10,560

Historical Map - Slice A



Order Details

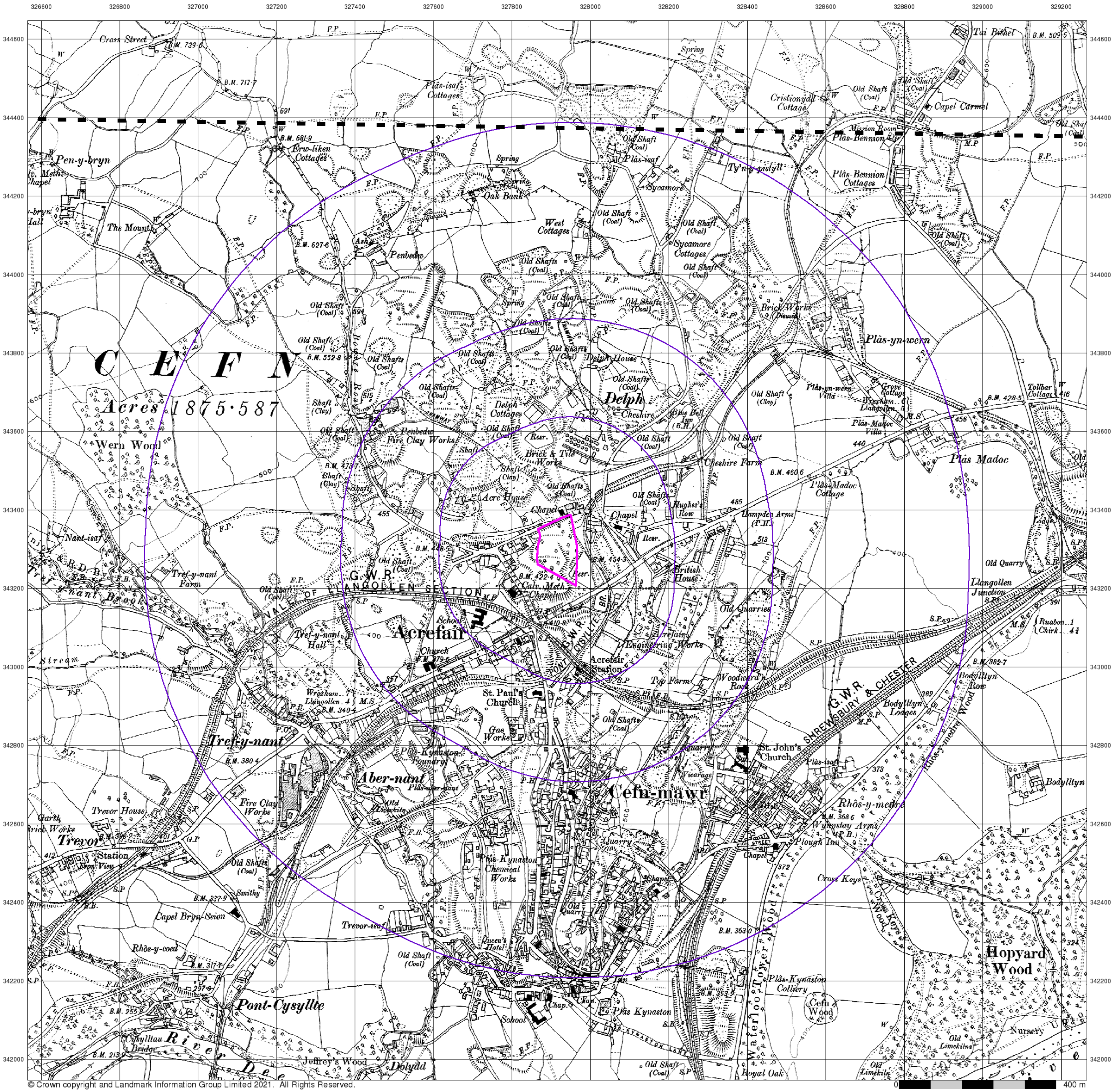
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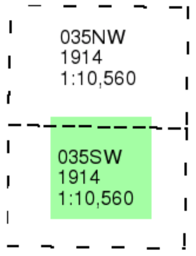
Denbighshire

Published 1914

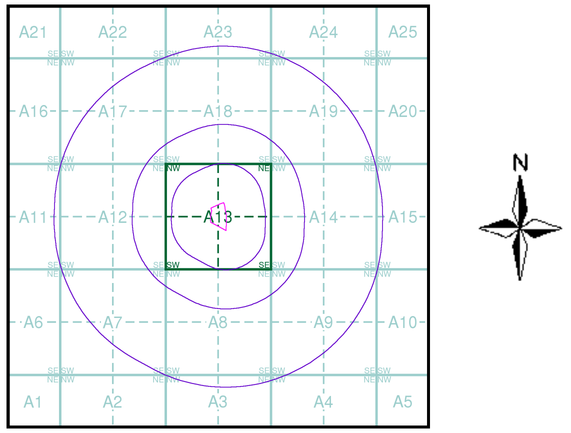
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

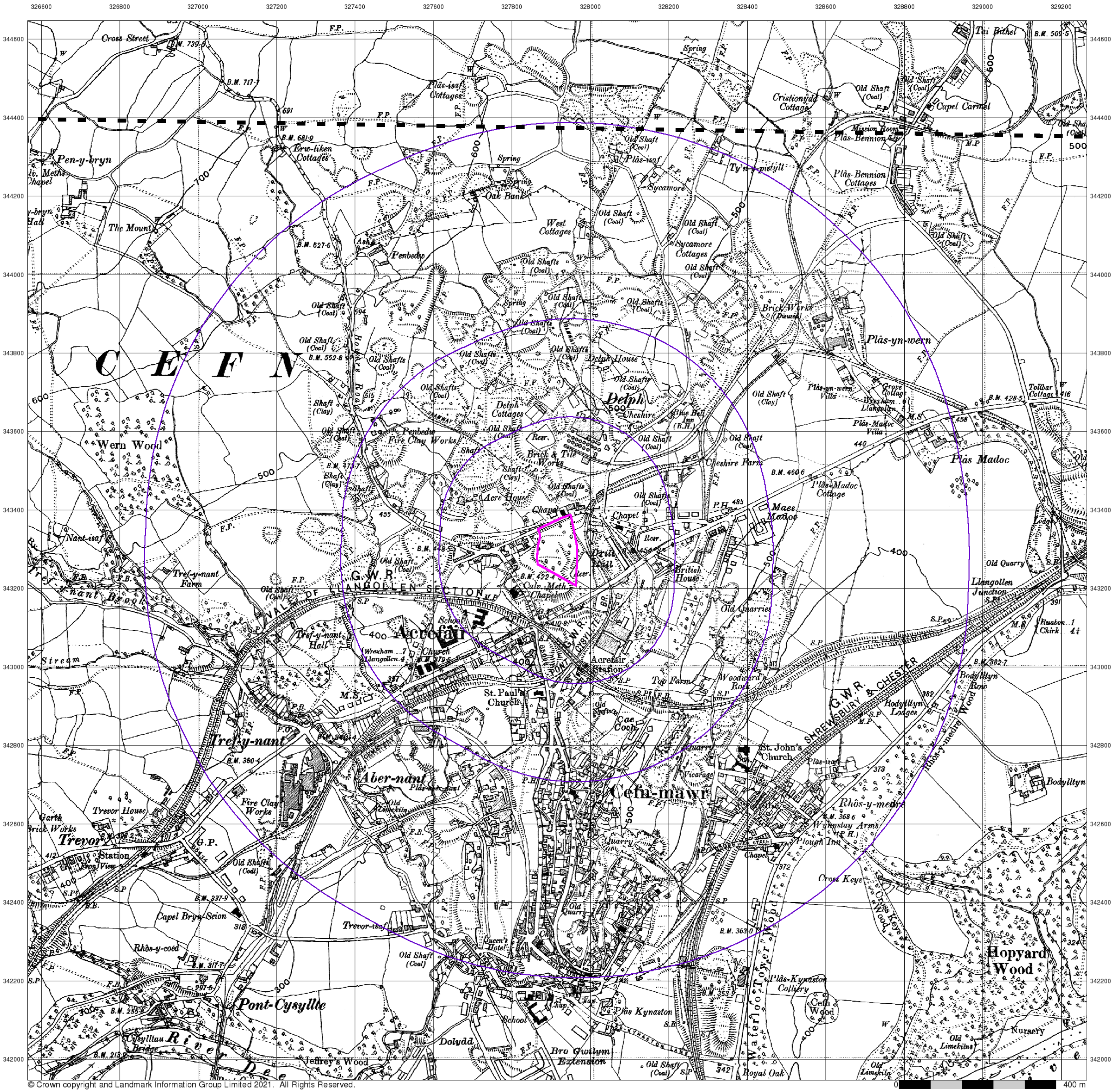
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Customer Ref:	46202
National Grid Reference:	327920, 343300
Slice:	A
Site Area (Ha):	1.31
Search Buffer (m):	1000

Site Details

Site at 327910, 343310

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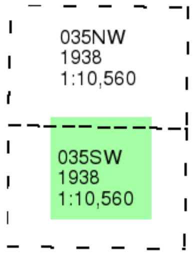
Denbighshire

Published 1938

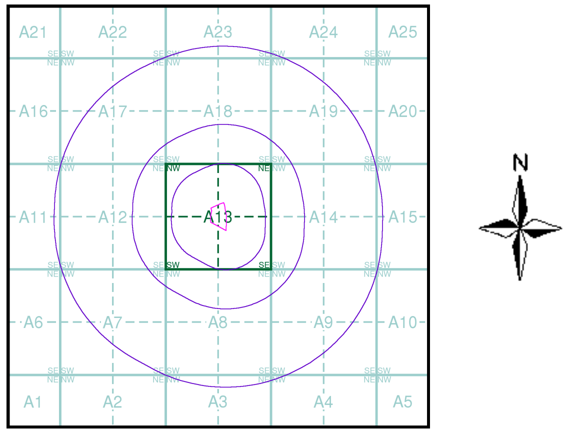
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

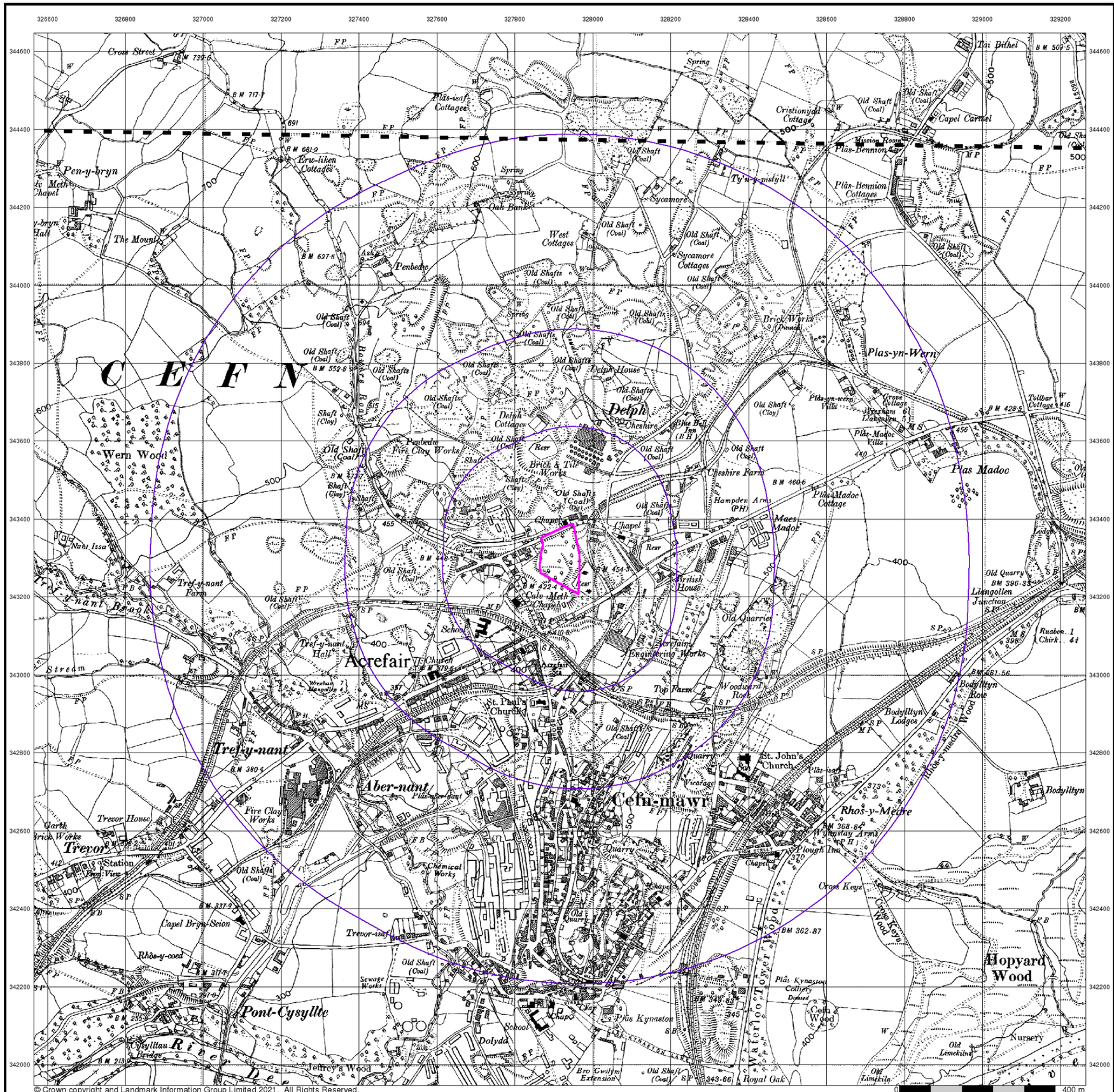
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Slice:	A
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Search Buffer (m):	1000

Site Details

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Denbighshire

Published 1953 - 1954

Source map scale - 1:10,560

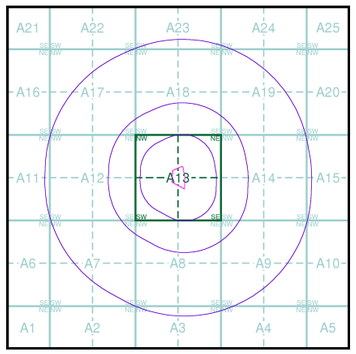
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Map Name(s) and Date(s)

035NW
1953
1:10,560

035SW
1954
1:10,560

Historical Map - Slice A



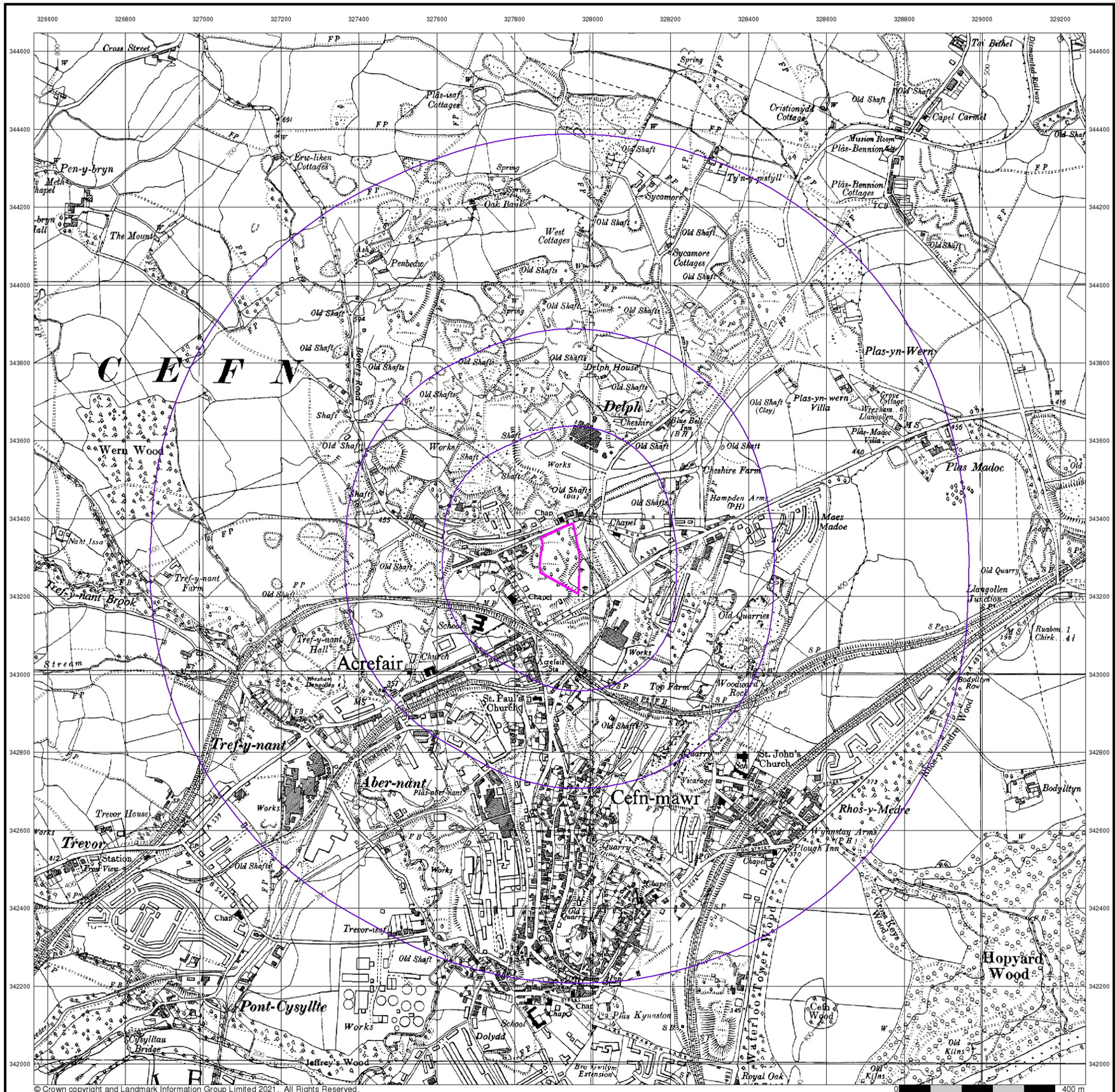
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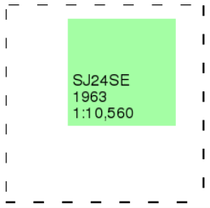
Ordnance Survey Plan

Published 1963

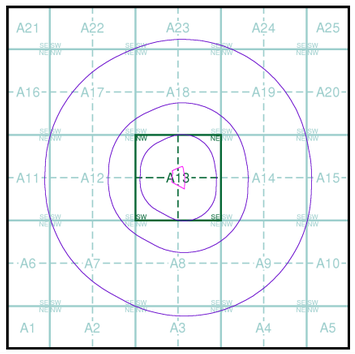
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

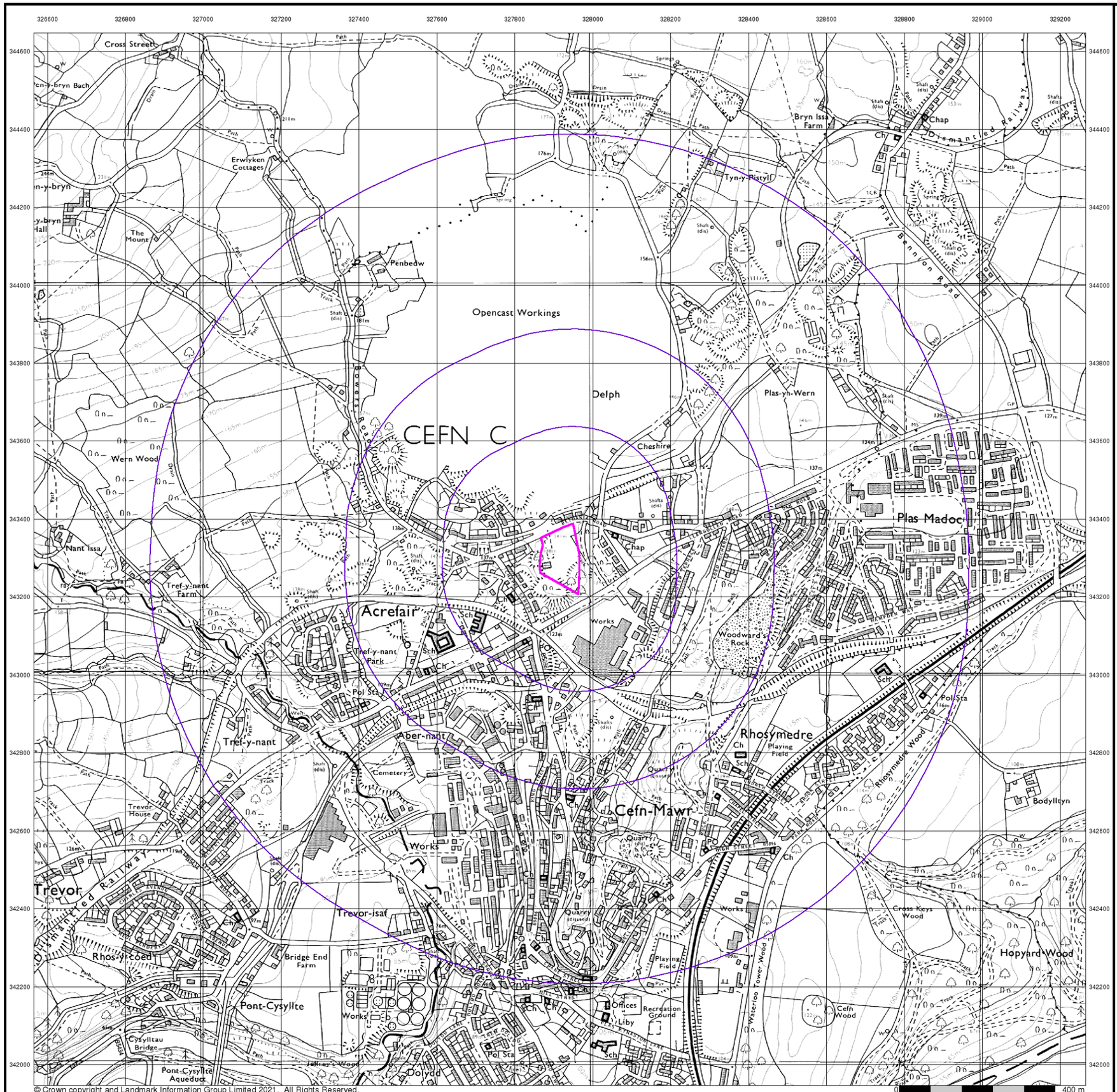
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National Grid Reference:	327920, 343300
Slice:	A
Site Area (Ha):	1.31
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Ordnance Survey Plan

Published 1977

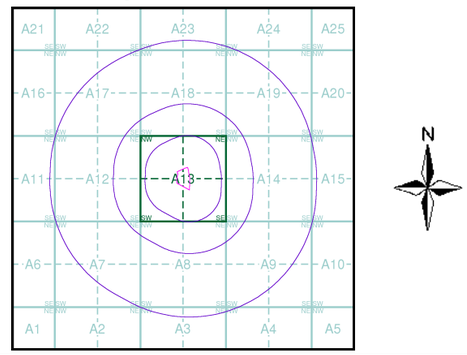
Source map scale - 1:10,000

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Map Name(s) and Date(s)

SJ24SE
1977
1:10,000

Historical Map - Slice A



Order Details

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Customer Ref:	46202
National Grid Reference:	327920, 343300
Slice:	A
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Search Buffer (m):	1000

Site Details

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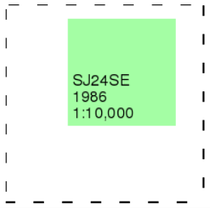
Ordnance Survey Plan

Published 1986

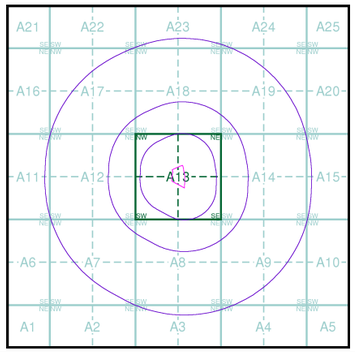
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

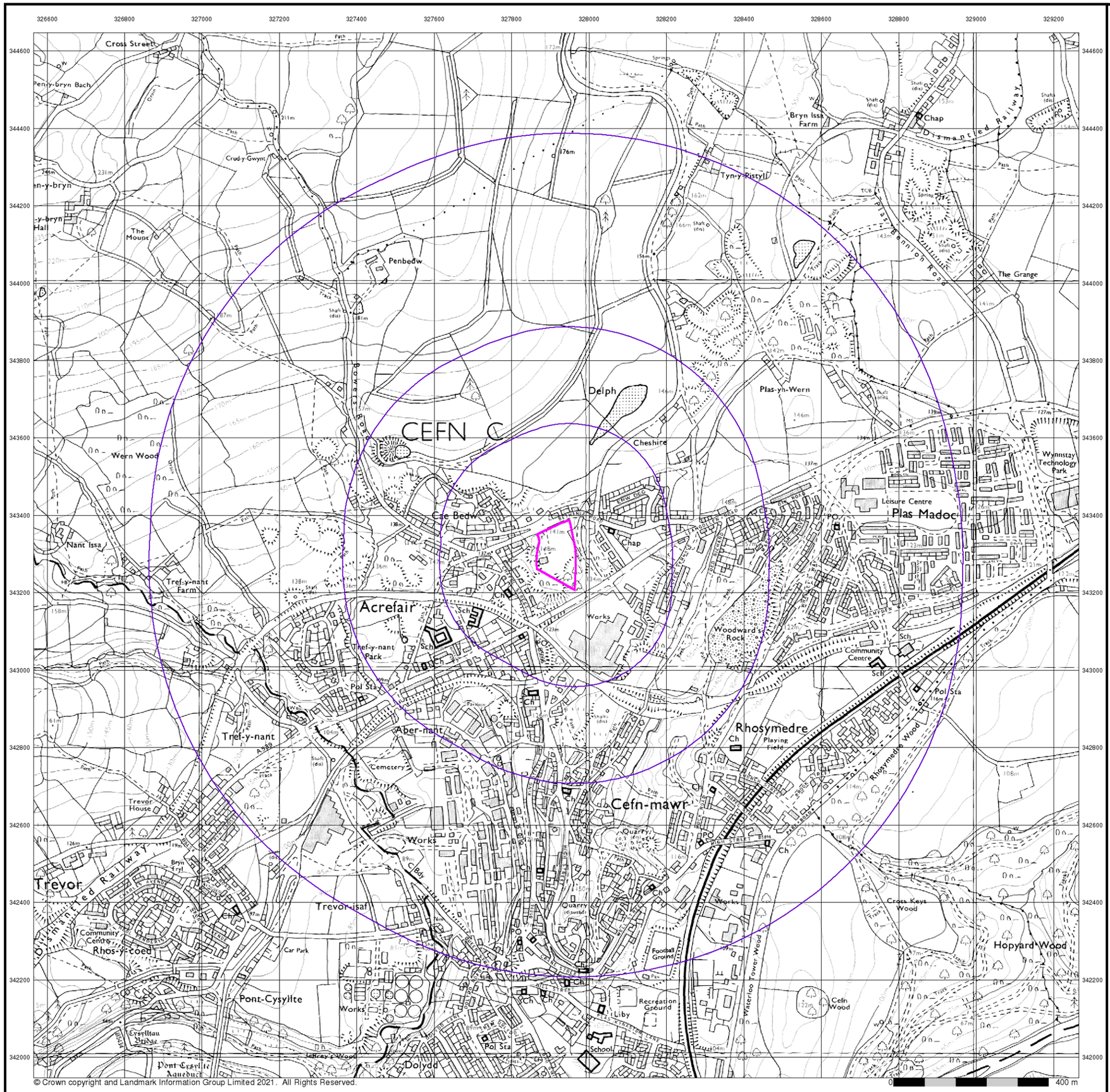
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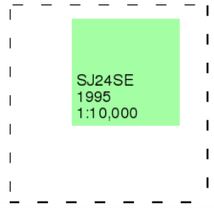
Ordnance Survey Plan

Published 1995

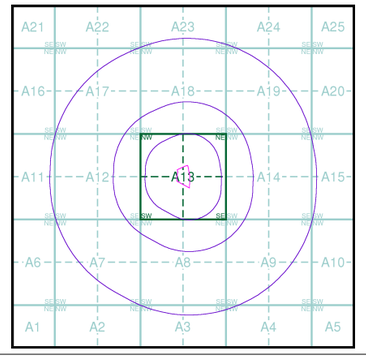
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	280320239_1_1
Customer Ref:	46202
National Grid Reference:	327920, 343300
Slice:	A
Site Area (Ha):	1.31
Search Buffer (m):	1000

Site Details

Site at 327910, 343310

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10k Raster Mapping

Published 2000

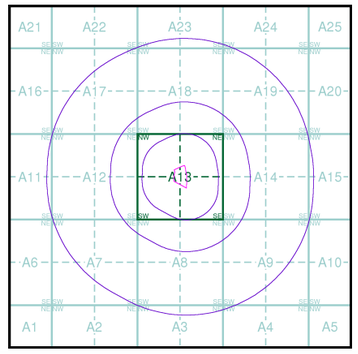
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SJ24SE
2000
1:10,000

Historical Map - Slice A



Order Details

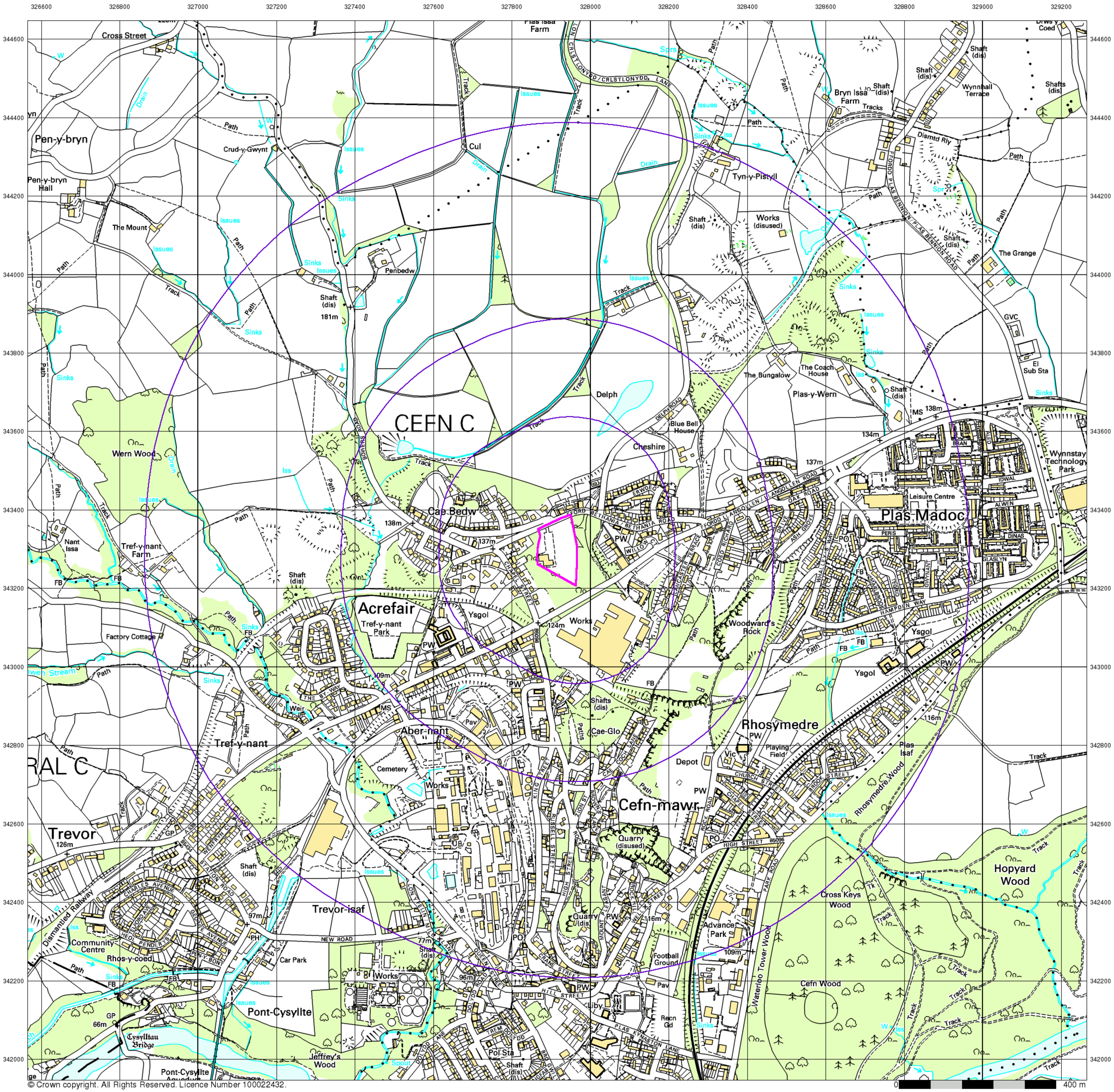
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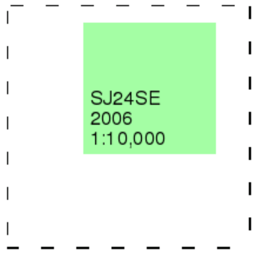
10k Raster Mapping

Published 2006

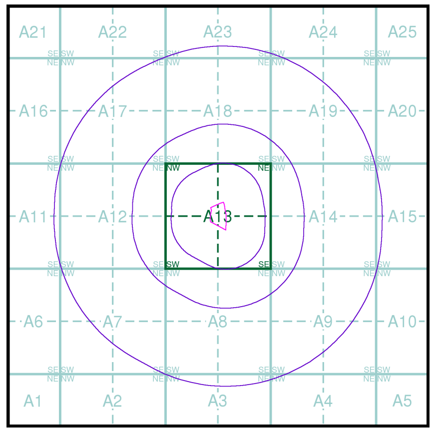
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

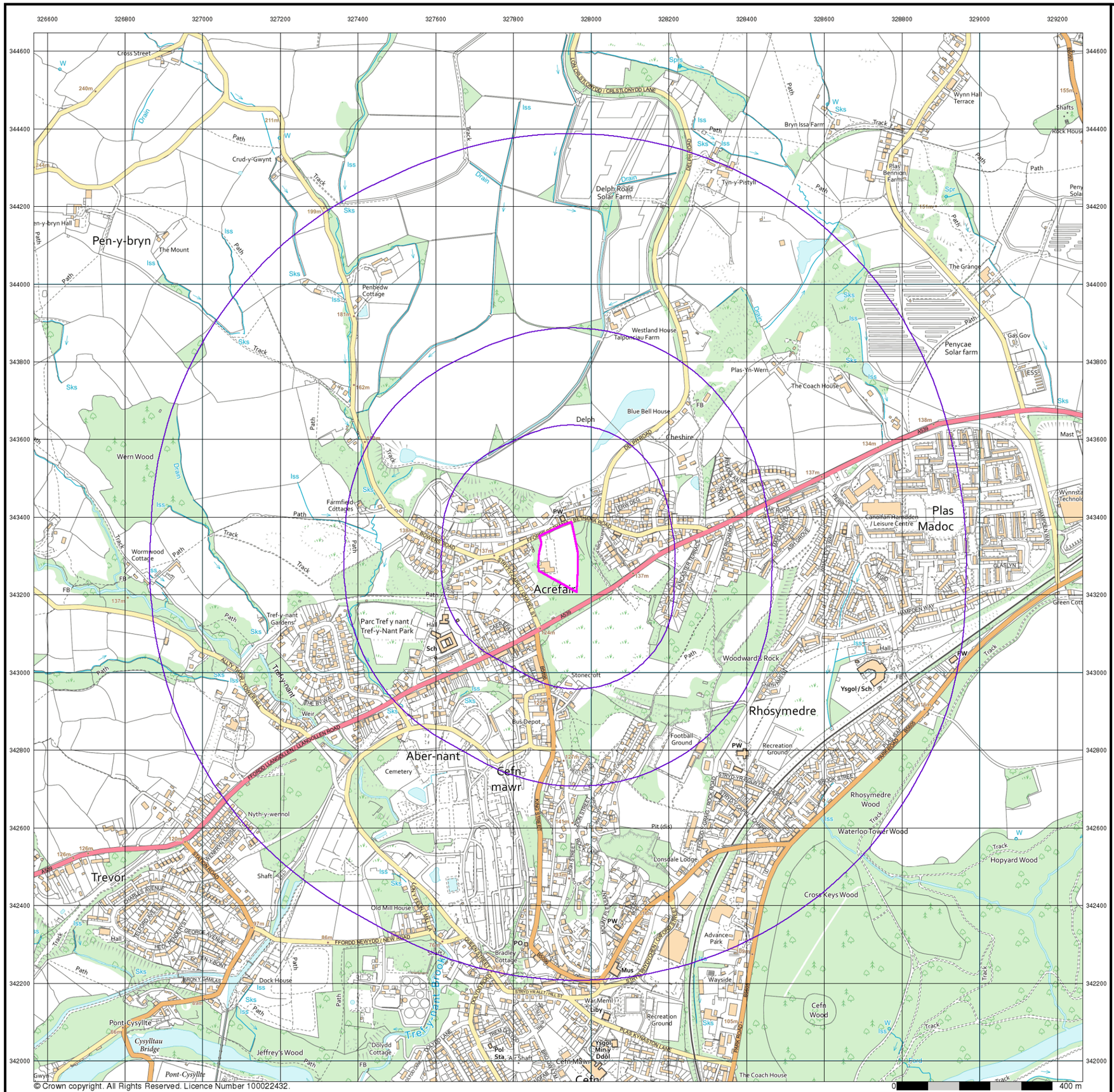
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Search Buffer (m): 1000

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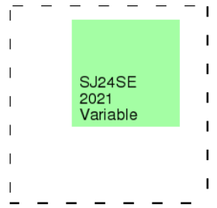
VectorMap Local

Published 2021

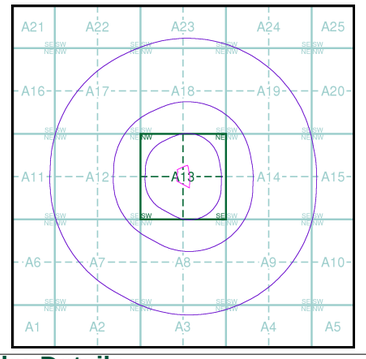
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	280320239_1_1
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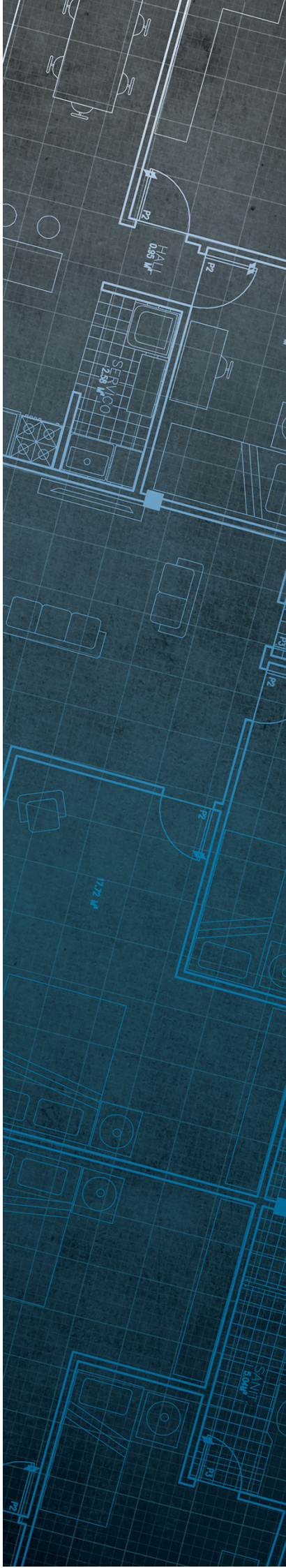
The Coal Authority

Consultants

Coal Mining Report

Bethania Road
Acrefair
Wrexham
LL14 3TY

Date of enquiry:	**14 June 2021**
Date enquiry received:	**14 June 2021**
Issue date:	**14 June 2021**
Our reference:	**51002555631001**
Your reference:	**46202**



Consultants

Coal Mining Report

This report is based on and limited to the records held by the Coal Authority at the time the report was produced.

Client name

EASTWOOD & PARTNERS (CONSULTING ENGINEERS) LTD

Enquiry address

Bethania Road
Acrefair
Wrexham
LL14 3TY



Approximate position of property

Map data

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+44 (0)1623 637 000 (International)

200 Lichfield Lane
Mansfield
Nottinghamshire
NG18 4RG

www.groundstability.com

@coalauthority
/company/the-coal-authority
/thecoalauthority
/thecoalauthority

Section 1 – Mining activity and geology

Past underground mining

Colliery	Seam	Mineral	Coal Authority reference	Depth (m)	Direction to working	Dipping rate of seam worked (degrees)	Dipped direction of seam worked	Extraction thickness (cm)	Year last mined
ACREFAIR/RUABON	FIRECAMP	Coal	A0PD	44	Beneath Property	8.1	South-East	200	1880
ACREFAIR/RUABON	FIRECAMP	Coal	A0PE	46	Beneath Property	8.1	South-East	200	1880
unnamed	STONE	Coal	38VI	55	West	8.1	South-East	60	1912
unnamed	STONE	Coal	38VM	60	North	8.1	South-East	60	1912
unnamed	RUABON YARD (SOFT 5 QTRS)	Coal	7H2M	70	South-West	9.0	East	110	1862
unnamed	WALL AND BENCH	Coal	380O	90	North	7.0	South-East	110	1868

Probable unrecorded shallow workings

None.

Spine roadways at shallow depth

No spine roadway recorded at shallow depth.

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Mine entries

Entry type	Reference	Grid reference	Treatment description	Mineral	Conveyancing details
Shaft	327343-114	327828 343406		Coal	
Shaft	327343-115	327878 343396		Coal	
Shaft	327343-116	327890 343438		Coal	
Shaft	327343-117	327986 343451		Coal	
Shaft	327343-198	327787 343281		Coal	
Shaft	327343-199	327951 343297		Coal	
Shaft	327343-200	327864 343177		Coal	
Shaft	327343-300	327806 343392		Coal	
Shaft	327343-360	327958 343444		Coal	
Shaft	327343-383	327833 343221		Coal	
Shaft	327343-385	327907 343184		Coal	
Shaft	327343-386	327890 343162	Exposed by Wrexham R.D.C when building public W.C^s in October 1971. The excavation revealed a depression filled with rubbish but no sign of shaft lining. The area was immediately fenced off but we have no record of any subsequent treatment.	Coal	
Shaft	327343-403	327813 343204		Coal	
Shaft	327343-405	327948 343122	Shaft searched for by NKC Geotech Ltd on behalf of Prospect Estates under Permit 10211, March 2015. Searching was be means of probe drilling at 1.8m centres extending to a radius of 18m from the CA recorded position Shaft not found, presumed to be off site under the road cutting to the north-west or an underground staple pit.	Coal	
Shaft	327343-526	327944 343371		Coal	
Shaft	327343-527	327866 343328		Coal	
Shaft	327343-532	327909 343224		Coal	
Shaft	327343-533	327881 343297		Coal	
Shaft	328343-118	328013 343407		Coal	
Shaft	328343-343	328017 343459		Coal	

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Entry type	Reference	Grid reference	Treatment description	Mineral	Conveyancing details
Shaft	328343-344	328056 343324	This entry was originally filled by the NCB. Following settlement of the fill material in October 2000 the shaft was drilled to full depth then grouted (102 tonnes). Later a 7m x 7m reinforced concrete cap was fitted at 1.5m b.g.l by Wardell Armstrong (on behalf of the Coal Authority) in March 2001.	Coal	
Shaft	328343-384	328012 343232		Coal	

Abandoned mine plan catalogue numbers

The following abandoned mine plan catalogue numbers intersect with some, or all, of the enquiry boundary:

2334	5916	14884
NW1411	NW1503	16713
17956	0	NW1423

Our records show we have more plans than those shown above which could affect the enquiry boundary.

Please contact us on 0345 762 6848 to determine the exact abandoned mine plans you require based on your needs.

Outcrops

Seam name	Mineral	Seam workable	Distance to outcrop (m)	Direction to outcrop	Bearing of outcrop
BRASSEY	Coal	Yes	Within	N/A	13

Geological faults, fissures and breaklines

No faults, fissures or breaklines recorded.

Opencast mines

Please refer to the “Summary of findings” map (on separate sheet) for details of any opencast areas within 500 metres of the enquiry boundary.

Coal Authority managed tips

None recorded within 500 metres of the enquiry boundary.

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Section 2 – Investigative or remedial activity

Please refer to the 'Summary of findings' map (on separate sheet) for details of any activity within the area of the site boundary.

Site investigations
None recorded within 50 metres of the enquiry boundary.

Remediated sites
None recorded within 50 metres of the enquiry boundary.

Coal mining subsidence
The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres of the enquiry boundary, since 31 October 1994.

There is no current Stop Notice delaying the start of remedial works or repairs to the property.

The Coal Authority is not aware of any request having been made to carry out preventive works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991.

Mine gas
None recorded within 500 metres of the enquiry boundary.

Mine water treatment schemes
None recorded within 500 metres of the enquiry boundary.

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Section 3 – Licensing and future mining activity

Future underground mining
None recorded.

Coal mining licensing
None recorded within 200 metres of the enquiry boundary.

Court orders
None recorded.

Section 46 notices
No notices have been given, under section 46 of the Coal Mining Subsidence Act 1991, stating that the land is at risk of subsidence.

Withdrawal of support notices
The property is not in an area where a notice to withdraw support has been given.

The property is not in an area where a notice has been given under section 41 of the Coal Industry Act 1994, cancelling the entitlement to withdraw support.

Payments to owners of former copyhold land
The property is not in an area where a relevant notice has been published under the Coal Industry Act 1975/Coal Industry Act 1994.

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Section 4 – Further information

The following potential risks have been identified and as part of your risk assessment should be investigated further.

Development advice

The site is within an area of historical coal mining activity. Should you require advice and/or support on understanding the mining legacy, its risks to your development or what next steps you need to take, please contact us.

For further information on specific site or ground investigations in relation to any issues raised in Section 4, please call us on 0345 762 6848 or email us at groundstability@coal.gov.uk.

Section 5 – Data definitions

The datasets used in this report have limitations and assumptions within their results. For more guidance on the data and the results specific to the enquiry boundary, please **call us on 0345 762 6848** or **email us at groundstability@coal.gov.uk.**

Past underground coal mining

Details of all recorded underground mining relative to the enquiry boundary. Only past underground workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination, will be included.

Probable unrecorded shallow workings

Areas where the Coal Authority believes there to be unrecorded coal workings that exist at or close to the surface (less than 30 metres deep).

Spine roadways at shallow depth

Connecting roadways either, working to working, or, surface to working, both in-seam and cross measures that exist at or close to the surface (less than 30 metres deep), either within or within 10 metres of the enquiry boundary.

Mine entries

Details of any shaft or adit either within, or within 100 metres of the enquiry boundary including approximate location, brief treatment details where known, the mineral worked from the mine entry and conveyance details where the mine entry has previously been sold by the Authority or its predecessors British Coal or the National Coal Board.

Abandoned mine plan catalogue numbers

Plan numbers extracted from the abandoned mines catalogue containing details of coal and other mineral abandonment plans deposited via the Mines Inspectorate in accordance with the Coal Mines Regulation Act and Metalliferous Mines Regulation Act 1872. A maximum of 9 plan extents that intersect with the enquiry boundary will be included. This does not infer that the workings and/or mine entries shown on the abandonment plan will be relevant to the site/property boundary.

Outcrops

Details of seam outcrops will be included where the enquiry boundary intersects with a conjectured or actual seam outcrop location (derived by either the British Geological Survey or the Coal Authority) or intersects with a defined 50 metres buffer on the coal (dip) side of the outcrop. An indication of whether the Coal Authority believes the seam to be of sufficient thickness and/or quality to have been worked will also be included.

Geological faults, fissures and breaklines

Geological disturbances or fractures in the bedrock. Surface fault lines (British Geological Survey derived data) and fissures and breaklines (Coal Authority derived data) intersecting with the enquiry boundary will be included. In some circumstances faults, fissures or breaklines have been known to contribute to surface subsidence damage as a consequence of underground coal mining.

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Opencast mines
Opencast coal sites from which coal has been removed in the past by opencast (surface) methods and where the enquiry boundary is within 500 metres of either the licence area, site boundary, excavation area (high wall) or coaling area.

Coal Authority managed tips
Locations of disused colliery tip sites owned and managed by the Coal Authority, located within 500 metres of the enquiry boundary.

Site investigations
Details of site investigations within 50 metres of the enquiry boundary where the Coal Authority has received information relating to coal mining risk investigation and/or remediation by third parties.

Remediated sites
Sites where the Coal Authority has undertaken remedial works either within or within 50 metres of the enquiry boundary following report of a hazard relating to coal mining under the Coal Authority's Emergency Surface Hazard Call Out procedures.

Coal mining subsidence
Details of alleged coal mining subsidence claims made since 31 October 1994 either within or within 50 metres of the enquiry boundary. Where the claim relates to the enquiry boundary confirmation of whether the claim was accepted, rejected or whether liability is still being determined will be given. Where the claim has been discharged, whether this was by repair, payment of compensation or a combination of both, the value of the claim, where known, will also be given.

Details of any current 'Stop Notice' deferring remedial works or repairs affecting the property/site, and if so the date of the notice.

Details of any request made to execute preventative works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991. If yes, whether any person withheld consent or failed to comply with any request to execute preventative works.

Mine gas
Reports of alleged mine gas emissions received by the Coal Authority, either within or within 500 metres of the enquiry boundary that subsequently required investigation and action by the Coal Authority to mitigate the effects of the mine gas emission.

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Mine water treatment schemes
Locations where the Coal Authority has constructed or operates assets that remove pollutants from mine water prior to the treated mine water being discharged into the receiving water body.

These schemes are part of the UK's strategy to meet the requirements of the Water Framework Directive. Schemes fall into 2 basic categories: Remedial – mitigating the impact of existing pollution or Preventative – preventing a future pollution incident.

Mine water treatment schemes generally consist of one or more primary settlement lagoons and one or more reed beds for secondary treatment. A small number are more specialised process treatment plants.

Future underground mining
Details of all planned underground mining relative to the enquiry boundary. Only those future workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination will be included.

Coal mining licensing
Details of all licenses issued by the Coal Authority either within or within 200 metres of the enquiry boundary in relation to the under taking of surface coal mining, underground coal mining or underground coal gasification.

Court orders
Orders in respect of the working of coal under the Mines (Working Facilities and Support) Acts of 1923 and 1966 or any statutory modification or amendment thereof.

Section 46 notices
Notice of proposals relating to underground coal mining operations that have been given under section 46 of the Coal Mining Subsidence Act 1991.

Withdrawal of support notices
Published notices of entitlement to withdraw support and the date of the notice. Details of any revocation notice withdrawing the entitlement to withdraw support given under Section 41 of the Coal Industry Act 1994.

Payment to owners of former copyhold land
Relevant notices which may affect the property and any subsequent notice of retained interests in coal and coal mines, acceptance or rejection notices and whether any compensation has been paid to a claimant.

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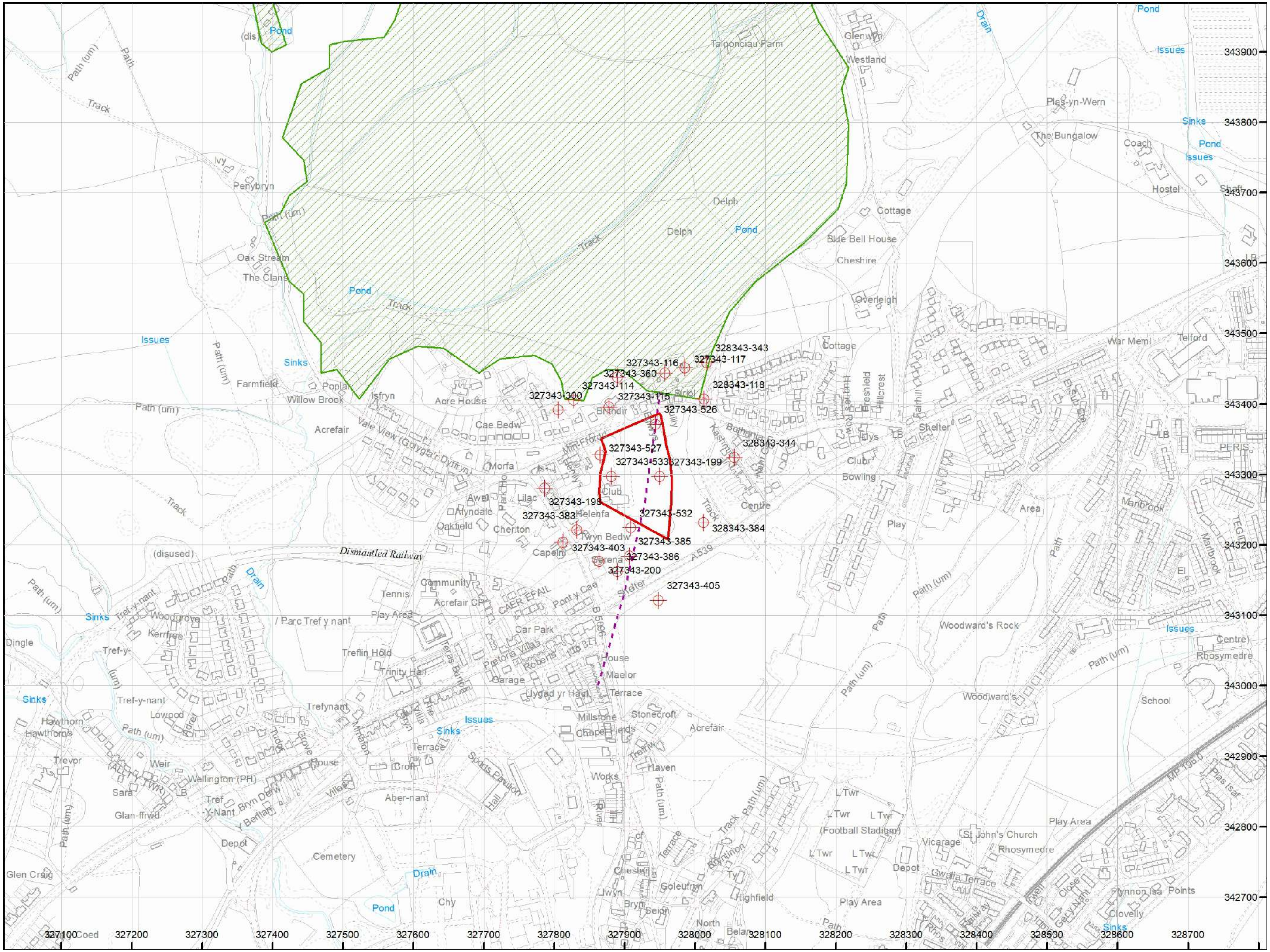
Summary of findings

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The map highlights any specific surface or subsurface features within or near to the boundary of the site.

Key

- Approximate position of the enquiry boundary shown ☐
- Disused mine shaft ⌖
- Outcrop (Conjectured) ⁄
- Unlicensed opencast site ▨



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