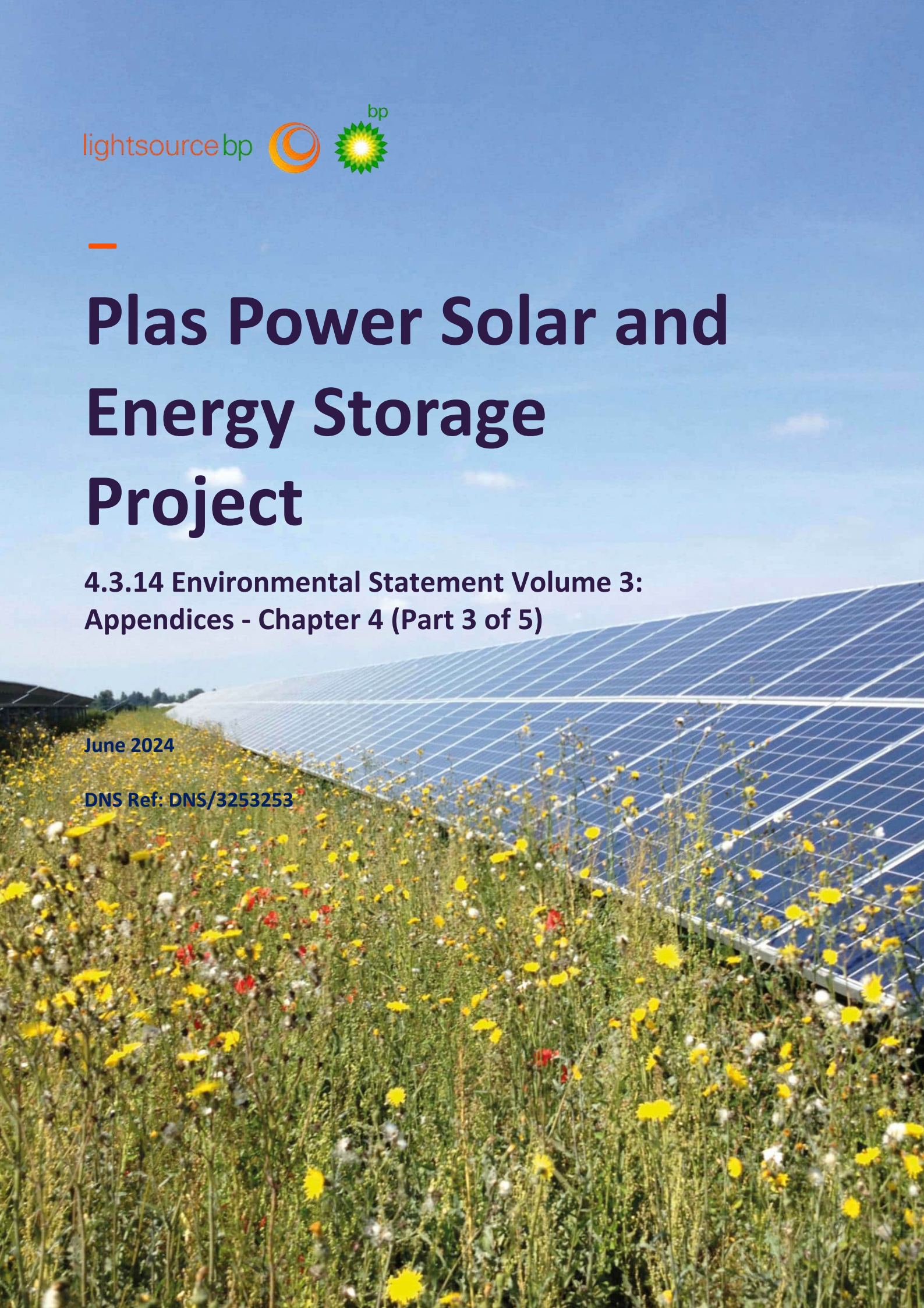


# Plas Power Solar and Energy Storage Project

## 4.3.14 Environmental Statement Volume 3: Appendices - Chapter 4 (Part 3 of 5)

June 2024

DNS Ref: DNS/3253253

# Appendix 4.6

## Desktop Survey and Preliminary Risk Assessment and Site Reconaissance

MAKING COMPLEX EASY

A TETRA TECH COMPANY

# DESKTOP STUDY, PRELIMINARY RISK ASSESSMENT AND SITE RECONNAISSANCE

## Plas Power Solar and Energy Storage Project

JER8537
Final
February 2024

rpsgroup.com

## Document status

| Version | Revision | Authored by | Reviewed by | Approved by | Review date |
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## Approval for issue

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|---|---|---|---|
| Gary Riches | Principal Geo-environmental Consultant | - | 1 February 2024 |

## File Name

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**Lightsource bp**

# EXECUTIVE SUMMARY

| Section | Summary |
|---|---|
| Background | RPS Consulting Services Ltd (RPS) was commissioned by RPS Planning on behalf of Lightsource bp to undertake a Phase 1 Geo-Environmental Desk Study and Preliminary Environmental Risk Assessment of Plas Power Estate, either side of Ruthin Road, Wrexham (herein termed the Application Site and designated as Area 1 (northern land parcel) and Area 2 (southern land parcel). The report has been commissioned to support a planning application for the proposed temporary redevelopment of the site as a solar farm. |
| Site Details | **Site area**: Approx 136 ha.<br>**National Grid Reference**: 330326 E, 350087 N<br>**Current site use**: The site is currently used for agricultural purposes comprising several agricultural fields for pasture, mature woodland, trees, hedgerows and fencing.<br>**Proposed site use**: The proposed development comprises a solar farm and associated ancillary development.<br>**Surrounding land use**: The site is located in an area of mixed agricultural and residential usage. |
| Site Inspection | A site inspection undertaken on 21st April 2023 identified no current significant on-site contamination sources. There is evidence of localised areas of poor drainage in Area 1. |
| Site History | A review of historical maps indicates the Application Site has remained predominantly undeveloped until the 1960s when Area 2 was subject to opencast mine workings and subsequently restored to agricultural land on completion. Area 1 has remained comparatively unchanged throughout the dates of the maps inspected with no surface evidence of past mining activity.<br>Off-site historical potential sources of contaminants of concern include a former railway line and legacy of historical mining activity. |
| Environmental Setting | The Application Site is indicated to be underlain by a Secondary A Aquifer relating to the Lower Pennine Coal Measures bedrock. The superficial deposits overlying the bedrock across the Application Site are designated as Secondary A (Glaciofluvial) and Secondary Undifferentiated (Glacial Till) Aquifers respectively. The Application Site is not indicated to be located in a groundwater Source Protection Zone (SPZ) and there are no sensitive groundwater abstractions in the vicinity of the Application Site.<br>Other than minor ditches/drains in Area 2, the nearest surface water feature is the River Clywedog close to the southern boundary of Area 2. |
| Preliminary Risk Assessment | An outline conceptual site model (CSM) has been derived on the basis of the desktop study and site reconnaissance. The CSM indicates that the risk to human health and controlled waters based upon the proposed redevelopment is considered to be generally low with a moderate risk in Area 2. The latter risk dictated by the potential presence of ground and mine gases associated with the historical opencast workings having the potential to accumulate in proposed structures. |
| Conclusions and Recommendations | It is recommended that the potential for the identified pollutant linkages to be active is assessed through a Ground Investigation with geotechnical testing in order to facilitate preliminary foundation design. The investigation should be targeted to inform on:<br>- Potential contamination sources associated with opencast backfill materials;<br>- Potential ground gas/mine gas generation associated with the above;<br>- Depth, extent and condition of former opencast workings.<br>Initially, prior to any ground investigation a CMRA and mineral resource assessment is recommended to further inform on the opencast workings and if underground mining may also be a potential concern, and whether there are any potential issues with safeguarded minerals.<br>If any visual or olfactory evidence of previously unidentified contamination is encountered during construction, works in the affected area will cease until further investigations are completed by a qualified consultant. Any necessary mitigation measures will then be put in place. |

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# 1 INTRODUCTION

## 1.1 Preamble

1.1.1 RPS Consulting Services Ltd (RPS) was commissioned by RPS Planning on behalf of Lightsource bp to undertake a ground conditions Desk Top Study (DTS) and Preliminary Environmental Risk Assessment (PRA) of a proposed temporary solar farm development at Plas Power Estate, Ruthin Road, Wrexham LL11 3BS (the Application Site). The report has been commissioned to provide information in support of a planning application for a solar farm development as detailed in Section 2.2. An indicative site layout plan ref GBR_Plas Power Solar & Battery Project_LP2 - Indicative Site Layout _11 is presented as Drawing 1, and the site is herein referred to as the Application Site.

1.1.2 The Application Site covers approximately 145 hectares (ha) and is located wholly within the administrative boundary of Wrexham County Borough Council. The Application Site is approximately 2.5 km to the west of Wrexham town centre. The Application Site consists of two main areas, the smaller area on the north side of the A525 and the larger area to the south of the A525 and west of the A483. For the purpose of this report, the northern area is referred to as Area 1 and the larger southern area as Area 2. Area 2 also includes the proposed cable route in the south-west.

1.1.3 The DTS and PRA is based upon a review of published information available from local, regional and national agencies. The desk study information is derived from Envirocheck Reports provided by Landmark Information Group, Ref. 291151542_1_1, which is presented as Appendix C. Please note the terms and conditions attached to the supply of data from Landmark. It should also be noted that since procurement of the Envirocheck reports, the boundary of the Application Site has changed for Area 2 and Area 1 has been added to the extents of the Application Site.

1.1.4 It should be noted that a Coal Mining Risk Assessment was recommended following the completion of this DTS and PRA, and RPS was subsequently commissioned to complete a separate Coal Mining Risk Assessment (CMRA), which should be read in conjunction with this DTS and PRA report.

## 1.2 Objectives

1.2.1 The principal objectives of this assessment were as follows:

- To assess potential sources of contamination at the site, associated with historical and current land uses both on site and in the surrounding area;
- To review the environmental setting to assess the sensitivity of the surrounding area to contamination/pollution;
- To produce an outline Conceptual Site Model (CSM) detailing how any contamination may impact the identified receptors via pollutant linkages; and
- To conclude on the likely requirement for further assessment and investigation to support outline planning application.

1.2.2 The methodology followed to produce the DTS and PRA is detailed in Appendix A.

## 1.3 Legislation and Guidance

1.3.1 The assessment has been undertaken in general accordance with British Standard BS EN ISO 21365:2020 and is considered suitable to meet the initial requirements of planning as outlined within the Planning Policy Wales (2021). The assessment also reflects the recommendations of Environment Agency guidance, Land Contamination: Risk Management, (LCRM 2020).

1.3.2 This report has been produced in general accordance with:

- DEFRA Environmental Protection Act 1990: Part 2A - *Contaminated Land Statutory Guidance* (2012);
- Environment Agency (2020) Land Contamination: Risk Management (LCRM 2020);
- Planning Policy Wales (2021);
- CIRIA Document C665: *Assessing Risks Posed by Hazardous Ground Gases to Buildings*;
- British Standard requirements for the '*Investigation of potentially contaminated sites - Code of practice*' (ref. BS10175:2011+A2:2017);
- British Standard requirements for the '*Code of practice for ground investigations*' (ref. BS5930:2015+A1:2020); and,
- Welsh Local Government Association (WLGA) & Natural Resources Wales (NRW): Development of Land Affected by Contamination: A Guide for Developers (2017);

## 1.4 Limitations of Assessment

1.4.1 Due to the size of the Application Site, the site walkover undertaken has been limited to areas identified as potential contamination sources as identified from a review of current and historical mapping obtained from Landmark.

1.4.2 Details of other limitations of this type of assessment are described in Appendix F.

# 2 SITE RECONNAISSANCE AND DESK STUDY

## 2.1 Targeted Site Reconnaissance

2.1.1 This section of the report is based upon observations made during a site visit carried out on 21st April 2023. Selected photographs are presented in Appendix B. A summary of the observations are presented in Table 2-1 below.

### The Site

**Table 2-1 – Summary of on-site activities**

| Section | Description |
|---|---|
| Background: | The Ordnance Survey National Grid Reference (NGR) for the centre of the Application Site is approximately 330326 E, 350087 N. It is irregular in shape and occupies an area of approximately136 ha. The Application Site is at Plas Power Estate, south of Ruthin Road, and directly west of the A483, approximately 2.5 km west of Wrexham city centre (near postcode LL11 3BS). Access to Area 1 can be gained from Barn Hill Farm (Plate 13) and Area 2 from Home Farm (Plate 01). |
| Site Layout: | The Application Site currently comprises multiple fields. There was a floor slab remaining from former development in the east of Area 2 (Plate 09) and hardcore access roads/tracks in the south-east of Area 2 (Plate 06). |
| Activity / Operations: | Undeveloped agricultural land comprising open fields used for sheep grazing or pasture (Plates 07, 16, 18). |
| Building Structure(s): | No current structures on site however there is evidence of a concrete slab associated with a former building in the east of Area 2 (Plate 09). |
| Surface Cover: | Predominantly grassland/ploughed fields, there is some evidence of hardstanding (Plate 04) along the track leading into Area 2 from the farm south of the A525. |
| Drainage: | Evidence of a drainage system linked to an off-site rectangular pond feature was noted close to the eastern boundary of Area 2 (Plates 03 and 04). The pond feature is located within a copse of mature coniferous trees (Plate 05). Evidence of surface water field drainage was also noted in the south-east of Area 2 (Plate 07) and north-east of Area 2 (Plate 11).<br>A pond was present in the centre of Area 2 (Plate 17). |
| Bulk Storage / Tanks: | None noted. |
| Waste: | Some localised evidence of fly-tipping along the western boundary of Area 2 (Plate 10). |
| Electricity Sub-Stations /Transformers: | None currently identified on-site. |
| Visual Evidence of Contamination: | No significant potential on-site contamination sources were identified, there are pylons in the north-east of Area 1 (Plate 19), which are likely to have localised areas of Made Ground associated with their construction. Evidence of a pet burial in the north-west of Area 2 (Plate 12). |
| Statutory Nuisance: | No reported evidence of statutory nuisance confirmed by the walkover survey. |
| Other non-Geo-Environmental Issues: | It was noted that there was an area of poorly drained waterlogged ground in the central southern area of Area 1 (Plate 15). Also observed was a borehole monitoring installation in the north-east of Area 2 indicative of former intrusive ground investigation on the Application Site (Plate 08). |

### The Surrounding Area

2.1.2 The site is located in an area of currently predominantly agricultural land use. At the time of the site inspection, neighbouring land consisted of the following, as presented in Table 2-2 below:

**Table 2-2 – Neighbouring Land Uses**

| Direction | Description |
|---|---|
| North: | Area 1 - Fields, woodland, Adwy Grange and Higher Berse Road.<br>Area 2 – A525, Home Farm, woodland (Cil Hendre). |
| East: | Area 1 – Agricultural land and covered reservoir.<br>Area 2 – A483 (T). |
| South: | Area 1 – A525, Barn Hill Cottage (possible scrapyard noted – Plate 14), Barn Hill Farm (including Integrated Bulk Container (IBC) chemical storage – Plate 20) and Area 2.<br>Area 2 – Woodland 'Big Wood', isolated properties and farm buildings. |
| West: | Area 1 – Fields beyond which are residential properties.<br>Area 2 – Fields and grounds/buildings of Plas Power Park. |

## 2.2 Proposed Development

2.2.1 The proposed development will consist of the construction of solar photovoltaic (PV) panels mounted on metal frames, new access tracks, underground cabling, perimeter fencing with Closed-circuit television (CCTV) cameras, switchgear substations, inverters, transformer stations, auxiliary transformers, permanent storage containers, monitoring houses, battery energy storage system (BESS) and all ancillary grid infrastructure and associated works. An indicative layout plan is provided as Drawing 1. This indicates that Area 1 will comprise two main areas of PV panels each with transformers, inverters and switchgear substation with access roads linking these features to the access point from the A425. Area 2 is identified as comprising eleven areas of PV panels, again each with transformers, inverters and switchgear substations. In the extreme south alongside Big Wood is a proposed maintenance area comprising a Distribution Network Operator (DNO) substation, monitoring house, switchgear substation, Glass Reinforced Plastic (GRP) cabinet, auxiliary transformer and storage facility. The BESS is to be located in the south of Area 2, close to a site access point.

2.2.2 The preferred method of foundation support and anchoring of the solar panels has not been confirmed however typically this is by the use of pre-formed small displacement steel sections driven into the ground at regular intervals along the length of panel frames.

2.2.3 The solar farm, battery storage facility, and associated infrastructure will connect to the northern side of the Legacy Substation located approximately 600 m to the south-west of the site, north of the B5246 Bronwylfa Road. The cable route is indicated to follow existing roads westwards from the southern extremity of Area 2 with options to divert to the north or south of Cadwgan Hall.

2.2.4 During construction and decommissioning temporary site compounds will be required to provide staff welfare facilities, take deliveries of components and store plant and equipment securely while not in use. The locations of compounds is currently unknown, however temporary construction access to Area 2 is shown on the north-eastern boundary.

## 2.3 Site History

### Historical Map Review

2.3.1 The following review is based on past editions of readily available Ordnance Survey (OS) maps. These include scales of 1:1,250, 1:2,500, 1:10,560 and 1:10,000 dated 1872 to 2022. Extracts from selected historical maps are included in Appendix C and summary presented in Table 2-3 below.

2.3.2

**Table 2-3 – Historical Site Uses**

| On-site Land Use and Features | Dates (From – To) |
|---|---|
| **Area 1** – Agricultural land comprising open fields | 1872 - 2022 |
| **Area 1** – Electricity pylons in west | 1954 - 2022 |
| **Area 1** – Pond in south-east | 1872 - 1963 |
| **Area 1** – Pond in east | 1872 - 1993 |
| **Area 2** – Opencast coal mining | 1962 - 1977 |
| **Area 2 -** Fish pond (central part of site) - infilled | 1872 – 1962 |
| **Area 2** – Boat House (central part of site) | 1872 – 1962 |
| **Area 2** – Unidentified building in east (concrete slab noted in site inspection) | 1976 - 1989 |
| **Area 2** – Small group of temporary buildings alongside track entering site from north-eastern boundary. Possibly evidence of wartime military usage or opencast mining related structures. | 1954 - 1962 |
| **Area 2** – Agricultural land comprising open fields | 1872 - 2022 |
| **Cable Route** – Minor roads, Offa's Dyke and open fields | 1872 - 2022 |

2.3.3 Potentially contaminative historical land uses identified within 250 m of the Application Site are listed in Table 2-4 below.

**Table 2-4 – Historical Neighbouring Site Uses**

| Surrounding Land Uses (250 m radius) | Orientation | Distance | Dates | |
|---|---|---|---|---|
| | | | From | To |
| Railway Line (GWR Rhos Branch) | South of Area 2 and cable route, | 150 m | 1899 | 1976 |
| Legacy Sub-Station | South-west of Area 2 linked to cable route on north side | 0 m | 1963 | Present |
| Limekiln (disused by 1914) | North of cable route to west of Cadwgan Hall | 10 m | 1879 | 1963 |
| Unidentified Tank close to Offa's Dyke | West of Area 2 | 120 m | 1899 | 1938 |

2.3.4 It is noted that on early historical maps there are identified mine shafts, collieries and mineral railways (Legacy Colliery) within 500 m south of the proposed cable route, particularly concentrated close to the current Legacy sub-station.

## Site Planning History

2.3.5 Relevant and readily available planning records for the site, as obtained from Wrexham County Borough Council planning website are summarised as follows:

- The Application Site itself does not appear to have any planning history relevant to the proposed development. The nearest recorded applications are two applications for barn conversions at Plas Power Home Farm close to the north of Area 2 dating from 2017.

2.3.6 Neither of the above planning permissions included planning conditions pertaining to the investigation of potentially contaminated land at the sites.

## 2.4 Previous Reports

2.4.1 RPS has not been provided with any previous ground investigation reports for the Application Site, however from the site observations made, it is evident that there has been recent borehole formation in the north-east of Area 2.

## 2.5 Environmental Setting

### Geology

2.5.1 Based on British Geological Survey (BGS) mapping (1:50,000-scale) and the Environment Agency (EA) Groundwater Vulnerability mapping (1:100,000-scale), the stratigraphic sequence and aquifer classifications beneath the site are presented in Table 2-5:

**Table 2-5 – Descriptions of Geological Strata**

| Strata | Description and Approximate Thickness | Aquifer Classification |
|---|---|---|
| **Superficial Deposits** | | |
| Glacial Till – across most of Area 1 and Area 2 | Typically comprises poorly sorted clay, silt, sand and gravel in a matrix of silt/clay or sand. From BGS records likely to be approximately 6 m in thickness across Area 1.<br>Will have been excavated in Area 2 where there has been past opencast workings. | Secondary Undifferentiated Aquifer |
| Glaciofluvial Sheet Deposits – localised to the east of Area 1 and north-east and east of Area 2. | Typically comprises unconsolidated sand and gravel. Thickness indicated as being approximately 2.50 m in a BGS recorded borehole (SJ25SE/42) in Area 1. | Secondary A Aquifer |
| **Bedrock Strata** | | |
| Pennine Lower Coal Measures Formation and Pennine Middle Coal Measures Formation (undifferentiated) – Across the central section of Area 1 and south and east of Area 2. | Indicated to comprise variably mudstone, siltstone and sandstone. A BGS borehole log (SJ35SW/46) located in Area 2 to the north-west of the rectangular pond indicates coal between 3.00 m and 4.60 m below ground level (BGL). The coal is described as '80 % coal and 20 % smooth mudstone'. Directly underlying the coal is noted to be sand to 7.60 m BGL comprising coarse grey sand with coal. RPS interpretation is likely to be a seatearth. Interbedded sequences of sandstone, siltstone and mudstone are identified beneath the coal and sandy coal beds with a deeper coal seam recorded at depth of in excess of 100 m BGL named as the Cefn seam. This borehole dates from 1979 and was sunk by the National Coal Board (now the Coal Authority) to prove coal measures. | Secondary A Aquifer |
| Cefn Rock Sandstone – western half of Area 1 only. | Massive, quartzose sandstone within Middle Coal Measures with subordinate and impersistent beds of mudstone and coal. Recorded as up to 37 m thick. | Secondary A Aquifer |
| Pennine Lower Coal Measures Formation and Pennine Middle Coal Measures Formation (undifferentiated) – Sandstone. This is identified across the south-east of Area 1 and north-west of Area 2. | Predominantly sandstone dominated strata. Thickness unknown. | Secondary A Aquifer |

2.5.2 Made Ground is likely to be present across the eastern part of Area 2 as a result of the restoration of past opencast coal mining activities and forming part of the road construction followed by the proposed cable route. No site investigation reports have been reviewed to verify this.

2.5.3 Approximately 170 borehole records are indicated on BGS sources for Area 2. These are predominantly identified as being for Plas Power Opencast Site with boreholes ranging in depth from 7.60 m to 25.00 m. A single borehole identified as Pool Covert o/c site is located in the south-east of Area 2. All of these records bar one have an added note that they have been 'transferred to the Opencast Collection' and are not available for inspection. Where specified, the dates for these borings are indicated as 1945. The available borehole record referenced in Table 2-5 (SJ35SW/46) is included as Appendix D.

2.5.4 Three borehole records are identified on Area 1, two of which are identified for Plas Maelor and Higher Berse Opencast Sites dating from 1944 and 1950 and are 12 m and 17 m in depth. These records are not available for inspection. The available record, as referenced in Table 2-5 (SJ25SE/42) is included in Appendix D.

## Hydrogeology

2.5.5 The site is located above Secondary A Aquifers relating to the bedrock and localised Glaciofluvial Sheet Deposits across both areas.

- Secondary A Aquifer: These formations are formed of permeable layers capable of supporting water supplies at a local scale, in some cases forming an important source of base flow to rivers.

2.5.6 The Glacial Till designation is Secondary Undifferentiated.

- Secondary Undifferentiated Aquifer: These formations have varying characteristics in different locations.

2.5.7 According to EA data, the Application Site is not located in a groundwater Source Protection Zone (SPZ).

2.5.8 Information provided by the EA indicates that there are no records of active licensed groundwater abstractions within 500 m of the Application Site.

## Surface Water

2.5.9 There are two watercourses within 500 m of the Application Site which are classified within a River Basin Management Plan published by the EA under the European Water Framework Directive (2000). These are presented in Table 2-6 below:

**Table 2-6 – Nearby Watercourses and Water Bodies**

| Watercourse / Body | Quality Classification | Approximate Distance and Direction from Site |
|---|---|---|
| River Clywedog – Conf. Black Bk. Erddig Pk-Conf.Trib | GQA River Quality – A (2000) | 40 m south of Area 2 |
| River Gwenfro – Hospital – Conf. Trib. Nr. South Sea | GQA River Quality – B (2000) | 191 m north-east of Area 2 |

2.5.10 In addition to the above there are minor watercourses (drains/ditches) identified in the Envirocheck report in the north-east and south-east of Area 2 and on the southern boundary of Area 1 adjacent to the A525.

2.5.11 Information provided by the EA indicates that there are records of three active licensed surface water abstractions within 500 m of the site, all from the River Gwenfro or tributary of this river. The details of these are included in Table 2-7:

**Table 2-7 – Licensed Surface Water Abstractions**

| Licence Holder/Licence Number | Use | Approx. Distance and Direction from Site |
|---|---|---|
| Mr N Morris 24/67/7/0135 | General Agriculture: Spray Irrigation - Direct | 106 m north-east of Area 2 (Lower Berse Farm) |
| Wrexham County Borough 24/67/7/0181 | Water Supply Related: Effluent/Slurry Dilution | 200 m north-east of Area 2 |
| Mr N Morris 24/67/7/0135 | General Agriculture: Spray Irrigation - Direct | 249 m north-east of Area 2 |

2.5.12 According to the EA flood map the Application Site is not located within an area considered to be at risk from flooding or extreme flooding from rivers without defences (Zone 2 or Zone 3 flood risk area).

## Ecologically Sensitive Sites

2.5.13 Natural Resources Wales (NRW) data indicates there are a number of ecologically sensitive sites, that constitute environmental receptors as defined within Table 1 of the DEFRA Environmental Protection Act 1990: Part 2A – Contaminated Land Statutory Guidance (2012), located within a 500 m radius of the Application Site. These are listed in Table 2-8 below.

**Table 2-8 – Ecologically Sensitive Sites**

| Designation | Approx. Distance and Direction from Site | Details |
|---|---|---|
| **Ancient Woodland** | | |
| Ancient and Semi-natural Woodland (locally designated) | Immediately south of Area 2 | Big Wood |
| Ancient and Semi-natural Woodland (locally designated) | Immediately west of Area 2 | Plas Power Park |
| Plantation on Ancient Woodland (locally designated) | Immediately north-east of Area 2 | Plas Power Park |
| Restored Ancient Woodland Site (locally designated) | Immediately north of Area 2 | Cil Hendre |
| Restored Ancient Woodland Site (locally designated) | 10 m south of Area 2 | Woodland alongside A525 |

## Radon

2.5.14 According to the Indicative Atlas of Radon in England and Wales published by the Health Protection Agency (part of Public Health England) and the British Geological Survey, parts of the Application Site are located in an area at risk from radon gas.

2.5.15 It was indicated that in these areas, either basic or full radon protective measures are considered necessary in the construction of new dwellings or extensions based on the available information, however given the proposed development proposals it is not anticipated that radon ingress to buildings is a viable risk for the majority of the Application Site. Current development proposals show potential maintenance/storage buildings in the south of Area 2 close to Big Wood. This area is identified as a low to intermediate probability radon area where up to 5 % of properties exceed

the identified action level and basic radon protection measures would apply for new dwellings/extensions.

## Coal Authority

2.5.16 The Coal Authority Interactive Map Viewer indicates that the whole of the Application Site is located in a coal mining reporting area with much of Area 2 located within a Development High Risk Area coinciding with identified surface mining (opencast mining records). Area 1 is not identified as a Development High Risk Area. An extract of the Coal Authority Map Viewer Plan is presented in Figure 1 below.

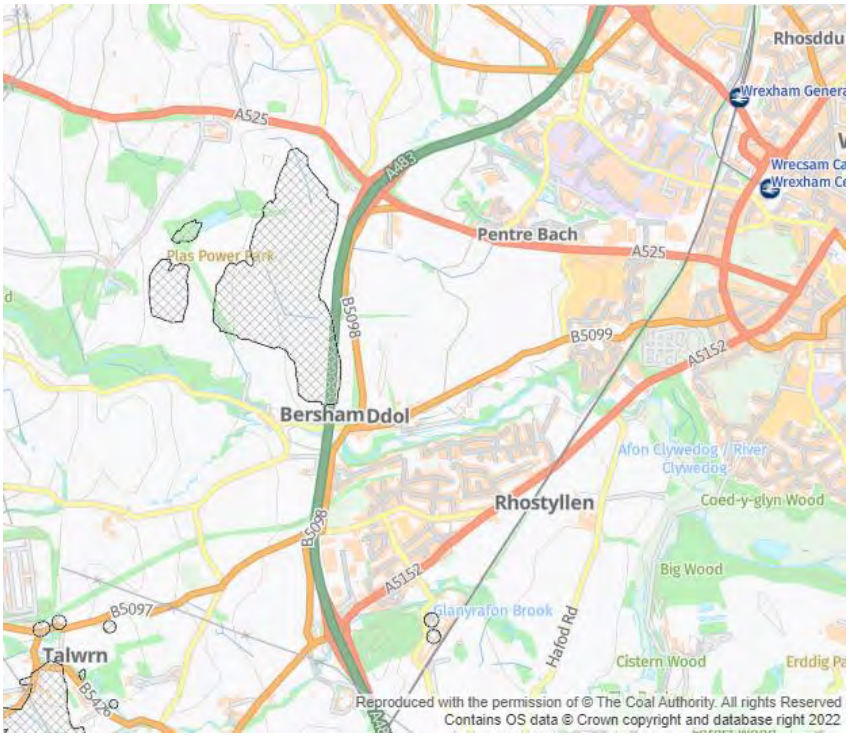



**Figure 1 – Coal Mining Development High Risk Area**

2.5.17 A CON29 Coal Authority Coal Mining report (ref. SO220192) including Area 2 was provided for review by the Client. A similar report (ref. GS-A99-WV6-FRZ-GSU) was later obtained for Area 1 by RPS. Both reports are included in Appendix E.

### Area 1

2.5.18 The mining report obtained for Area 1 identifies that there are no recorded mine entries within 20 m of the boundary and this part of the Application Site is unaffected by any former opencast workings. The Application Site is not shown as having been affected by shallow coal mine workings however it is noted that it is within the potential zone of influence of recorded workings in 6 seams of coal worked at depths of between 35 m and 190 m prior to 1938. It is stated that any ground movement due to this coal mining activity should have stopped.

2.5.19 A claim was made for subsidence damages in 1995 for land approximately 18 m to the north-east. The claim was subsequently rejected.

2.5.20 There are no proposals for any future opencast or underground coal mining within this part of the Application Site.

### Area 2

2.5.21 The mining report for Area 2 identifies no recorded former mine entries within the Application Site boundaries.

2.5.22 Area 2 is within the potential zone of influence of recorded workings in seven coal seams at depths between 35 m and 350 m below ground level, the last date of working is specified as 1972.

2.5.23 It is stated that there are records for past opencast workings on the Application Site undertaken prior to issue of licensing by the Coal Authority in 1994.

2.5.24 The report identifies that Area 2 is not within an area where there are any current proposals for any future underground or opencast mining.

2.5.25 The property lies within an area where a notice of entitlement to withdraw support has been published. Notices were issued in 1946, 1967, 1974 and 1976 respectively.

2.5.26 As the review of the standard CON29M mining reports has identified that there is a risk that former coal mining activities may have impacted on the ground stability of the Application Site, it is recommended that a detailed Coal Mining Risk Assessment (CMRA) is undertaken to further evaluate the level of risk presented to the proposed development.

### Non-Coal Mining

2.5.27 The BGS have identified that the Application Site has a risk rating of highly unlikely to rare relating to non-coal mining risks.

### BGS Ground Stability Hazard Ratings

2.5.28 British Geological Survey Ground Stability Hazard ratings for the Application Site are summarised in Table 2-9 below. The source data for this did not extend to Area 1 however given the shallow superficial deposits are indicated to be the same as those in Area 2, similar ground stability hazard ratings are expected.

**Table 2-9 – BGS Ground Stability Hazard Ratings (Area 2)**

| Ground Stability Hazard | BGS Risk Rating (Highest) |
|---|---|
| Collapsible ground | Very Low |
| Compressible ground | Moderate |
| Ground dissolution | No Hazard |
| Landslide | Low |
| Running sand | Low |
| Shrinking or swelling clay | Very Low |

## 2.6 Authorised Processes and Pollution Incidents

### Landfills and Waste Sites

2.6.1 The Envirocheck Report indicates that there are no historical or current recorded landfill sites, waste transfer sites or licensed waste management sites within 250 m of the Application Site.

### Environmental Permits

2.6.2 EA/NRW and Local Authority data indicates that there is one process regulated by an Environmental Permit (under the Environmental Permitting Regulations 2010) within 500 m of the Application Site. This is outlined in Table 2-10 below.

**Table 2-10 – Environmental Permits**

| Licence Holder | Approx. Distance and Direction from Site | Permitted Activity |
|---|---|---|
| Pentrebychan Crematorium - Under Local Authority Pollution Prevention and Control (LAPPC) regs. | 342 m south-east of Area 2. | PG5/2 Crematoria, permit ref. WCBC/PG5/2/PC(v3), dated 14th July 1993 - Local Authority Air Pollution Control. |

### COMAH Sites

2.6.3 There are no records of any operations under the Control of Major Accident Hazards (COMAH) Regulations 1999, located within 500 m of the Application Site.

### Pollution Incidents

2.6.4 EA data indicates that there is one recorded 'major' or 'significant' pollution incident within 500 m of the Application Site. This is outlined in Table 2-11:

**Table 2-11 – Pollution Incidents on site and significant incidents within 500 m**

| Location/Address | Approx. Distance and Direction from Site | Receiving Medium and Date | Severity of Incident and Type |
|---|---|---|---|
| Ponds - Southsea | 410 m north-east of Area 1 | - | Sewage - Significant |

## 2.7 Unexploded Ordnance

2.7.1 CIRIA Report C681 (Stone et al (2009)) outlines recommendations for dealing with the potential risk associated with the legacy of Unexploded Ordnance Risk, largely relating to WWII bombing and military sites.

2.7.2 Reference to the Zetica Unexploded Bomb Risk mapping indicates that the site is in an area of low potential risk from Unexploded Ordnance. As the site is not within an area of known military history, in general accordance with CIRIA Report C681 no further consideration of Unexploded Ordnance is considered necessary.

# 3 OUTLINE CONCEPTUAL SITE MODEL

## 3.1 Background

3.1.1 An outline conceptual site model (CSM) consists of an appraisal of the *source-pathway-receptor* 'contaminant linkages' which is central to the approach used to determine the existence of 'contaminated land' according to the definition set out under Part 2A of the Environmental Protection Act 1990. For a risk to exist (under Part 2A), all three of the following components must be present to facilitate a potential 'pollutant linkage'.

- **Source** referring to the source of contamination (Hazard).
- **Pathway** for the contaminant to move/migrate to receptor(s).
- **Receptor** (Target) that could be affected by the contaminant(s).

3.1.2 Receptors include human beings, controlled waters and buildings / structures. Planning Policy Wales used to address contaminated land through the planning process, follows the same principles as those set out under Part 2A.

3.1.3 As part of the assessment the potential risks to receptors for potential source is given one of the following classification:

- **Low risk** - it is considered unlikely that issues within the category will give rise to significant harm to identified receptors
- **Moderate risk** - it is possible, but not certain that issues within the category will give rise to significant harm to receptors
- **High risk** - there is a high potential that issues within the category will give rise to significant harm to identified receptors

## 3.2 Potential Pollutant Linkages

3.2.1 Each stage of the potential pollutant linkage sequence has been assessed individually on the basis of information obtained during the site reconnaissance and desk study exercise and are discussed in the following section.

### Potential Contaminant Sources

#### On Site – Current

3.2.2 Radon can be a risk to human health from the inhalation of radioactive elements. The risk posed outside of buildings is however negligible.

3.2.3 Potential localised Made Ground associated with the installation of electricity pylons in west of Area 1.

#### On Site – Historical

3.2.4 Historical maps indicate few potentially contaminative historical land uses on site or in the immediate surrounding area. Those considered most significant are as follows;

- Area 2 - Mine workings – unknown backfill of opencast workings post abandonment, there is no evidence of refuse tips or landfill sites from historical maps or Local Authority records therefore it is assumed that workings were backfilled with natural overburden but use for disposal of waste materials cannot be entirely discounted. There is also the potential for toxic or explosive mine gases associated with opencast or underground mining.

- Area 2 - Fishpond and boathouse (presumed to have been cleared as part of the opencast workings) – also potentially backfilled with unknown materials. Comments regarding nature of backfill as above.
- Area 2 - 1950s unidentified former buildings in the north-east – There may be residual localised soil contamination associated with the construction and clearance of these structures in addition to remnant utility supplies or foundations. Demolition materials could include asbestos containing materials given the age of structures. The remnants of the easternmost building evident on Plate 09 are outside the extent of the proposed development and therefore unlikely to be disturbed. The group of small temporary structures shown on the 1950s mapping alongside a pathway in the north-east are within the area of identified opencast workings and therefore likely to have been demolished and cleared to allow excavation. This would indicate that there is a low risk presented by these sources.

### Off-site – Current

3.2.5 Current off-site potential sources of contaminants of concern include;

- Legacy sub-station. Given the age of construction there is the possibility of residual Polychlorinated Biphenyl (PCB) contamination of soils and groundwater, however this is unlikely to represent a significant post construction risk to the cable route and therefore is discounted from further review.
- Farm fuel/chemical storage e.g. IBC storage at Barn Hill adjoining Area 1.

### Off-Site – Historical

3.2.6 Historical maps indicate the following potential off-site historical contamination sources;

- Former branch railway south of the cable route and Area 2, possible source of deposited airborne particulate contaminants or minor oil spills.
- Former limekiln close to the western end of proposed cable route. This was disused by 1914 and no longer present by the 1960s and is unlikely to have any residual impact on the Application Site.
- Tank (unspecified) to west of Offa's Dyke. This feature was only present for a short period of time and was no longer present by 1938. With no evidence of surrounding structures that would indicate that it was used for fuel/oil storage and from the time elapsed since removal it is considered unlikely to be a viable source that could impact on the Application Site.

## Potential Pathways

3.2.7 At the time of report completion RPS has been provided with an indicative layout of the proposed solar farm development. From the details shown, it includes a building that would be occupied by future site users (maintenance staff) identified as a monitoring house alongside the BESS in Area 2. This is less than 250 m from the nearest extent of the former opencast workings and may be occupied on a part time basis by future users. Substations and inverter substations are anticipated to be included as part of the development but are not expected to have occupancy. The potential for exposure to ground gases (including radon and mine gases) and volatile contaminants of concern via inhalation pathways in indoor areas cannot be discounted. On the assumption that there will be only short term outdoor exposure of maintenance workers to residual soils other human health exposure pathways are not considered viable.

3.2.8 Existing drainage patterns may be modified by the development and it is likely that there will be preferential drainage pathways for infiltration of rainfall runoff created by the placement of the solar panels.

## Potential Receptors

### Human Health

3.2.9 Potential post development human receptors include facility maintenance engineers. It is assumed that there will not be any full-time occupancy of the facility once construction is complete, however should this not be the case then this CSM should be reassessed accordingly. The rest of the Application Site is assumed to comprise associated infrastructure including substations and a monitoring house.

3.2.10 The assessment does not consider the risk to construction/demolition workers during redevelopment. These risks will be managed through appropriate Health and Safety (H&S) legislation including the H&S At Work Act (1974) and Construction Design and Management Regulations (2005).

3.2.11 The immediate surrounding area within 250 m of the Application Site is predominantly agricultural with low density housing. Off-site residents are not considered to be a sensitive receptor and have been discounted from further assessment.

### Controlled Waters

3.2.12 The main groundwater receptor is considered to be the underlying bedrock aquifer or localised superficial deposits designated as Secondary A Aquifers, although given the absence of source protection zones or abstractions in the vicinity of the Application Site, this receptor is not considered to be highly sensitive. The anticipated absence of extensive Made Ground in areas not affected by opencast workings and the likely low permeability of the underlying superficial deposits indicate that the risk posed to the water quality of the bedrock aquifer as a result of the proposed development is likely to be low.

3.2.13 The nearest major surface water feature is River Clywedog close to the southern boundary of Area 2. Given the limited number of identified on-site potential contamination sources, generally low permeability of Glacial Till and anticipated perched nature of any shallow groundwater which is unlikely to be in hydraulic continuity with the river, the risk presented to surface water by the proposed development is considered to be low.

### Sensitive Land Use

3.2.14 There are a number of designated Ancient Woodland sites bordering or in close proximity to Area 2 of the Application Site. The construction/operational phases of the proposed solar farm development are considered unlikely to adversely impact on these off-site receptors although any changes in long-term shallow drainage patterns from the installation of the banks of PV panels cannot be discounted.

# 3.3 Outline Conceptual Site Model

3.3.1 An outline CSM has been developed on the basis of the site reconnaissance and DTS and is presented in Table 3-1 below. The CSM is used to identify potential sources, pathways and receptors (i.e. potential pollutant linkages) on-site post development and is summarised in the table below. Should the development layout plan vary from that reviewed and included as a part of this PRA or should occupied structures be proposed then the Conceptual Site Model and derived risk ratings should be reviewed accordingly.

**Table 3-1 – Outline Conceptual Site Model**

| Potential Source | Contaminants of Concern | Via | Potential Pathways | Linkage Potentially Active? | Receptors | Qualitative Risk Rating | Notes |
|---|---|---|---|---|---|---|---|
| On site – historical:<br>Backfilled opencast workings, remnants of mining infrastructure, unidentified buildings.<br>Off-site – historical:<br>Former railway line. | Metals, hydrocarbons, solvents and asbestos from demolition or infill materials | Soil | Direct contact/ingestion | ✓ | Future site users | Low | Anticipated short-term exposure of maintenance workers to soils would indicate minimal risk |
| | | | Inhalation of volatiles | ✓ | | Low | |
| | | | Airborne migration of soil or dust | ✓ | | Low | |
| | | | Leaching of mobile contaminants | ✓ | Secondary A Aquifers | Low | Unlikely to be any significant change in current leaching potential |
| | | Groundwater | Direct contact/ingestion | × | Future site users | N/A | Future maintenance activities are unlikely to involve contact with groundwater. |
| | | | Inhalation of volatiles | × | Future site users | N/A | |
| | | | Vertical and lateral migration in permeable strata | ✓<br>✓<br>✓ | Secondary Aquifers<br>Surface watercourse<br>Ecological receptors | Low<br>Low<br>Low | Creation of new pathways that could impact on bedrock aquifer, surface water or ecological receptors post construction unlikely |
| Off-site – current:<br>Farms – chemical/fuel storage<br>Off-site – historical:<br>Former tank, limekiln. | Metals, hydrocarbons, solvents or other Volatile Organic Compounds (VOCs) | Groundwater | Direct contact/ingestion | × | Future site users | N/A | Groundwater is likely to be discontinuous in Glacial Till limiting potential for migration on site. Future maintenance activities are unlikely to involve contact with groundwater. |
| | | | Inhalation of volatiles | × | Future site users | N/A | |
| On and off-site natural strata, mine gas, Made Ground (opencast backfill) | Radon, carbon dioxide and methane | Ground Gas | Inhalation of ground gas/radon | ✓ | Future site users<br>Future site Structures | Moderate | There are likely to be buildings associated with the BESS, albeit not occupied/used on a regular basis. Basic radon protection measures would apply for new dwellings/extensions in this area. |
| | | | Explosive risks | | | | |

Note × The Qualitative Risk Rating does not consider the potential for the pathway to be active. In the event that a Moderate or High Qualitative Risk Rating is identified further assessment is recommended.

3.3.2 Based on the identified potential sources and the site setting there is not considered to be a significant risk to archaeological receptors.

# 4 PRELIMINARY GEOTECHNICAL RISK REGISTER

## 4.1 Introduction

4.1.1 It is understood the proposed development is to comprise a temporary solar farm with associated infrastructure. The following section provides a preliminary assessment of potential geotechnical constraints appropriate to the installation of solar panels, concrete slabs for ancillary structures as detailed in 2.2.2. It should be emphasised that the comments listed below are based solely on the Desk Study data available. Intrusive ground investigation together with geotechnical testing will provide further confirmatory information on ground conditions and the significance of these potential constraints.

## 4.2 Preliminary Geotechnical Risk Register

4.2.1 Table 4-1 summarises the potential geotechnical hazards associated with the proposed development based on freely available published information. Preliminary information relating to the hazard and associated engineering considerations are provided.

**Table 4-1 - Preliminary Geotechnical Risk Register**

| Hazard Description | Potential for Hazard | Comments / Possible Engineering Requirements |
|---|---|---|
| Sudden lateral / vertical changes in ground conditions | High | It is anticipated that there will be variable thickness of superficial cover across the Application Site which may be suitable for placement of anchoring systems for the photovoltaic panels, however, the extent and variability of composition of these deposits is unconfirmed from the Desk Study findings therefore intrusive investigation will be required to confirm a suitable depth for any foundations / anchoring systems for the panels and any ancillary structures. This will provide further information on the proportion of cobbles and boulders present within the Glacial Till that may deflect and deform driven piles and this is likely to vary laterally. There is also potential for shallow bedrock to be present, which may impede the ability to install driven/augered foundations or anchors in some areas of the Application Site. This is of particular concern within areas of former opencast workings which have since been backfilled and indicated to lie directly over bedrock. It is likely that the Glacial Till will also provide a suitable bearing stratum for shallow spread foundations supporting lightly loaded structures. |
| Highly compressible / low bearing capacity soils, (including peat and soft clay) | Moderate | Localised Made Ground associated with on-site development is anticipated although likely to be more extensive and thicker in areas of former opencast workings in the eastern half of Area 2. The thickness of superficial deposits across Area 2 could not be accurately determined by the Desk Study findings given the general absence of available borehole records, indicated to be up to 6.00 m in Area 1. BGS land instability risk ratings indicates a moderate hazard from compressible ground across the Application Site. |
| Ground dissolution features / natural cavities | N/A | Ground conditions beneath the Application Site are not consistent with these conditions. |
| Shrinking and swelling clays | Low | The BGS database indicate that there is a very low hazard potential from shrinking and swelling clays. |
| Slope stability issues | Low | Whilst no significant slopes are present on site, any temporary slopes created as part of the development should be subject to appropriate geotechnical design based on site-specific site investigation information. |
| High groundwater table (including waterlogged ground) | Moderate | Areas of the Application Site are indicated to have potential for 'groundwater flooding of property situated below ground level'. Shallow |

| Hazard Description | Potential for Hazard | Comments / Possible Engineering Requirements |
|---|---|---|
| | | excavations may be unstable and excavation support as well as groundwater control measures may be required. |
| Filled and Made Ground (including embankments) | Moderate | There is evidence that a large part of the eastern half of Area 2 was subject to opencast workings that have subsequently been backfilled and restored. The composition and compaction of the fill materials is currently unknown. Poor compaction could present variable ground conditions and settlement and also affect resistance to lateral loads imposed by wind. |
| Obstructions (including foundations, services, basements, tunnels and adjacent sub-structures) | Moderate | Relic obstructions could be encountered from former opencast mining activities in Area 2, which may require removal to enable the construction of the proposed development. It is likely these obstructions, if encountered, may be removed using standard construction plant. |
| Underground mining | Low to High | Opencast workings have been identified across much of the east of Area 2 of the Application Site (High hazard potential). A number of coal seams have been identified by a historical BGS borehole in this area at shallow depth with recorded underground workings from 35 m BGL. The presence of unidentified shallow mine workings could also provide a constraint to development and identification and treatment required as necessary. No evidence of opencast or underground workings beneath Area 1 (Low hazard potential). |
| Concrete classification | Moderate | Any Made Ground present has the potential for low pH and / or the presence of sulphates that could impact on selection of concrete required for below ground structures. Site specific testing will be required to confirm this. |

4.2.2 The potential risks are given one of the following classifications:

- **Low risk** - it is considered unlikely that issues within the category will give rise to significant damage in relation to the proposed development.
- **Moderate risk** - it is possible, but not certain that issues within the category will give rise to significant damage in relation to the proposed development.
- **High risk** - there is a high potential that issues within the category will give rise to significant damage in relation to the proposed development.
- **N/A -** The anticipated ground conditions are not consistent with this hazard.

# 5 CONCLUSIONS AND RECOMMENDATIONS

## 5.1 Conclusions

5.1.1 The outline CSM produced upon completion of the desk study assessment has identified a small number of potential pollutant linkages that may be active upon the redevelopment of the Application Site, primarily related to the backfilled opencast workings in Area 2.

5.1.2 The conceptual site model indicates that the risk to human health from non-inhalation pathways based upon proposed redevelopment is considered to be low in areas of soft landscaping, whilst mitigated in areas of buildings or hardstanding cover. If any visual or olfactory evidence of contamination is encountered during construction, works in the affected area should cease until further investigations are completed by a qualified consultant. Any necessary mitigation measures will then be put in place. The risk posed by ground gases associated with Made Ground and mine workings are considered to be moderate.

5.1.3 It is recommended that a ground investigation is undertaken in Area 2 of the Application Site to clarify the following potential geo-environmental and geotechnical issues:

- Potential contamination sources associated with opencast backfill materials;
- Potential ground gas/mine gas generation associated with the above;
- Depth, presence and condition of former opencast workings; and
- Provision of recommendations (where necessary) for remediation/mitigation measures to ensure that any identified potential pollutant linkages are not active upon redevelopment of the site.

5.1.4 At this stage, it is anticipated the above can be achieved via a number of boreholes across the Application Site with installations to establish the ground gas regime. It should be noted that any intrusive works that may disturb coal seams require prior authorisation and a license issued by the Coal Authority. It is often cost efficient to combine any site investigation undertaken for geo-environmental purposes with geotechnical testing, to facilitate preliminary foundation design. Use of dynamic sample boreholes to replicate driven pile supports would assist with future design of foundations for PV panels in this part of the Application Site.

## 5.2 Other Considerations

### Coal Mining and Mineral Resource Assessments

5.2.1 A Coal Mining Risk Assessment (CMRA) is recommended to be undertaken to further define the risks from past opencast and potentially shallow coal mining at the Application Site. The proposed scope of recommended ground investigation listed above will be refined on completion of the CMRA.

5.2.2 The CMRA would also include a review of mineral resources identified by the Local Authority, and potential Mineral Safeguarding status of the Application Site.

# REFERENCES

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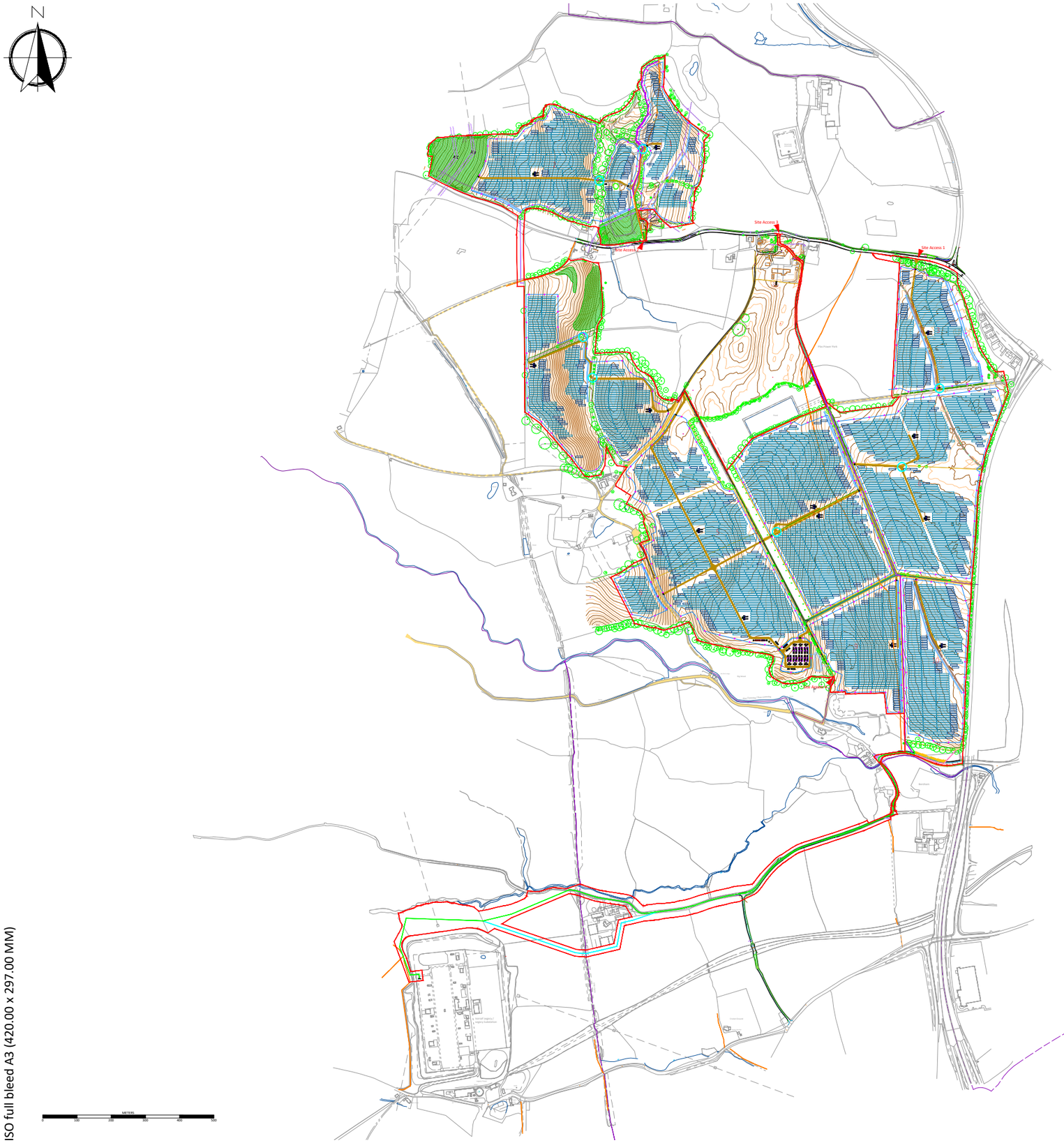
https://zeticauxo.com/downloads-and-resources/risk-maps/

# DRAWINGS

**Drawing 1** GBR_Plas Power Solar & Battery Project_LP2 – Indicative Site Layout_15

# GBR_Plas Power Solar & Battery Project_LP2 - Indicative Site layout_15

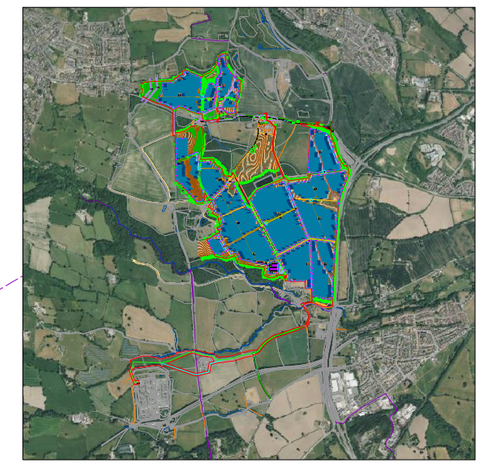
Area 1,355,959 m2 (335.06 acres)




- Site Boundary
- Site Access
- Security Fence
- Module Table 30 x 2
- Module Table 15 x 2
- Transformer
- Inverter
- Switchgear Substation
- PV Intake Substation
- GRP
- Customer Substation
- Monitoring House
- Auxiliary Transformer
- Spares Container
- Access Road
- Access Gates
- CCTV
- Toilet
- BESS Enclosure x 4
- BIC
- Twin MV Skid
- Backup Generator
- BESS Intake Substation
- Spares Container
- BESS Security Fence
- Landscape / Biodiversity
- Preferred Cable Route Option
- Cable Route Option 1
- Cable Route Option 2
- Cable Route Option 3
- Cable Route
- Existing PRoW
- Proposed PRoW diversion
- Possible hedge removal
- Indicative Swales
- Attenuation Pond
- Existing Access Road
- Existing Tree
- Existing Hedgerow/Vegetation
- Existing Ditch
- Cable Sealing End

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CAPACITY:

DRAWING TITLE:
GBR_Plas Power Solar & Battery Project_LP2 - Indicative Site Layout_15

| DRAWING NUMBER: | STATUS: |
|---|---|
| LP2-PDL | |

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# Appendix A
# PRA METHODOLOGY

# PRA METHODOLOGY

## INTRODUCTION

This report provides available factual data for the site obtained only from the sources described below and related to the site on the basis of the location provided by the client. The desk study information is not necessarily exhaustive and further information relevant to the site may be available from other sources. No responsibility can be accepted by RPS for inaccuracies in the data supplied by any other party.

This report is written in the context of an agreed scope of work and should not be used in a different context. Furthermore, new information and changes in legislation may necessitate a re-interpretation of the report in whole or in part after its original submission. The report is provided for sole use by the client and is confidential to them and their professional advisors. No reliance whatsoever is provided to any party other than the client unless otherwise agreed.

## INFORMATION SOURCES

### Current and Historical Land Use

This section establishes the former and current uses of the site, which could have caused contamination. Details of the site location, the current and proposed site uses have been provided by the client.

Information about the history of the site has been obtained through an inspection of historical maps at 1:10,000, 1:2,500 and 1:1,250 scales and historical aerial photographs (where available). The accuracy of maps cannot be guaranteed, and it should be recognised that different conditions on-site may have existed between, and subsequent to, the map survey dates.

### Regulatory Records

Regulatory records including landfills, pollution incidents ('major' and 'significant' only), industry authorisations and licensed water abstractions are derived from information purchased from Landmark Ltd (unless otherwise specified).

### Environmental Setting

The geological sequence underlying the site and the approximate depths of strata are provided by maps published by the British Geological Survey (BGS) 1:50,000 scale and available borehole records held by the BGS.

The hydrogeological classification is obtained from Groundwater Vulnerability mapping by National Resources Wales (NRW). The vulnerability of groundwater is determined from this mapping and geological information.

The location of surface watercourses is obtained from an inspection of current OS maps. Flood risk details and information on groundwater Source Protection Zones are obtained from readily available NRW information published on-line and supplied by Landmark Ltd.

Details of sensitive ecosystems/habitats and coal mining areas are supplied by NRW and the Coal Authority respectively via Landmark Ltd and inspection of NRW interactive mapping and the MAGIC website.

Radon is a radioactive gas produced naturally by certain types of geology. This report uses the Indicative Atlas of Radon in England and Wales (2007) produced by the Health Protection Agency (HPA) and the British Geological Survey (BGS) to determine whether the site is located in an area at risk from radon gas. Where

potential issues are identified, a site-specific radon report is obtained from the HPA and BGS to provide a more accurate estimate of the probability of the site being affected by radon gas ingress.

# Appendix B
# SITE WALKOVER PHOTOS



Plate 01: Southern parcel – Access track from estate to the south of A525



Plate 02: Southern parcel – Drainage channel from off site pond



Plate 03: Southern parcel – Off site pond



Plate 04: Southern parcel –Evidence of hardstanding along track



Plate 05: Southern parcel – Mature treeline in the centre of the site



Plate 06: Southern parcel – Access tracks meeting in the south-east



Plate 07: Southern parcel – Drainage channel within the south-eastern field



Plate 08: Southern parcel – Borehole monitoring standpipe in the north-east



Plate 09: Southern parcel – Foundations of former building in the east of site



Plate 10: Southern parcel – Evidence of fly-tipping along western site boundary



Plate 11: Southern parcel – Drainage channel and shrubbery in the north-east



Plate 12: Southern parcel – Pet grave in the north-west



Plate 13: Northern parcel – Access to the north off A525



Plate 14: Northern parcel – View of A525 and scrapyard area offsite to the south



Plate 15: Northern parcel – Waterlogged ground in the south of the site



Plate 16: Northern parcel – View from mature treeline in the centre of the site looking east



Plate 17: Northern parcel – Pond in the centre of site



Plate 18: Northern parcel – Field in the south-east corner of site

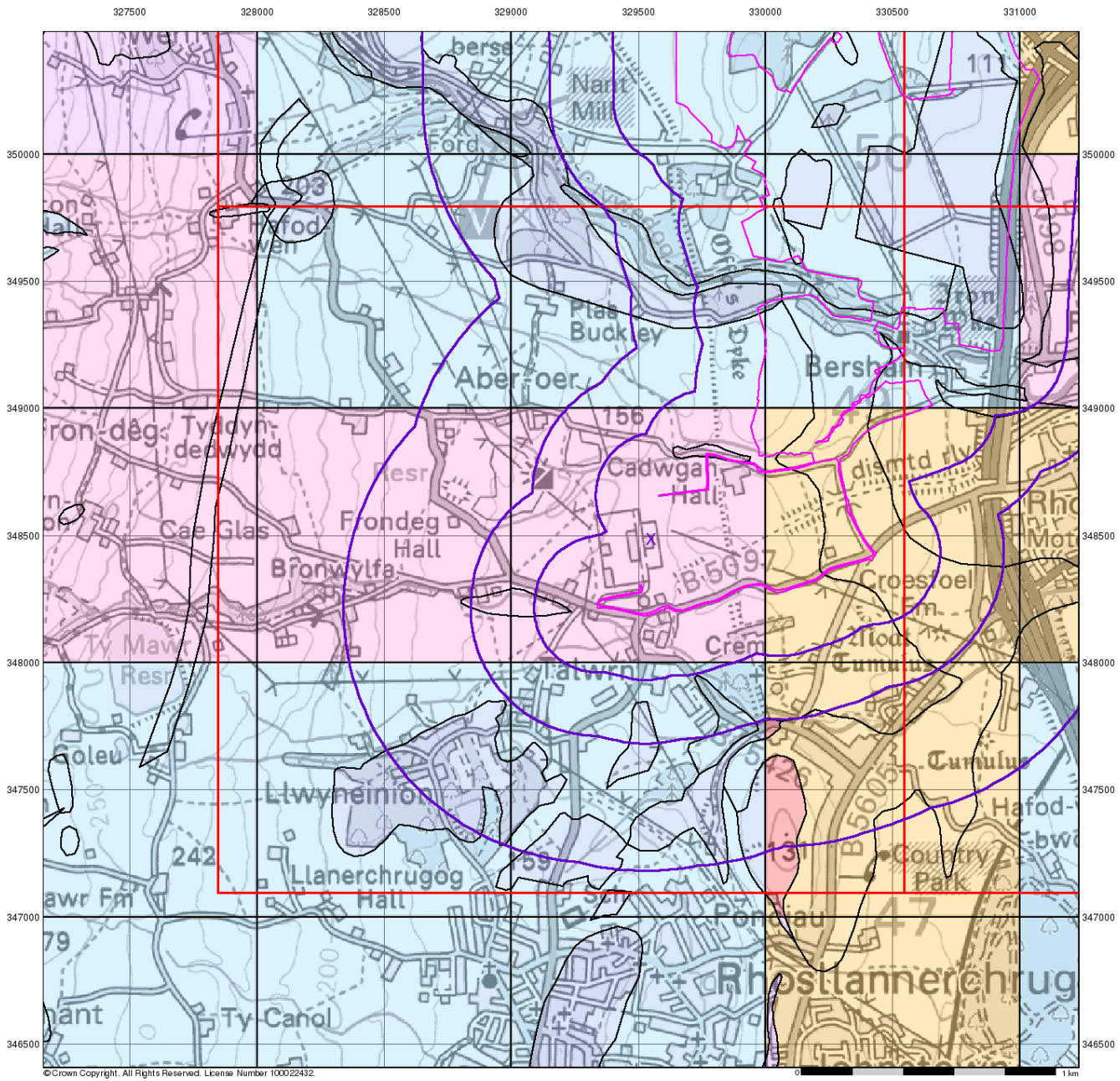


Plate 19: Northern parcel – Overhead pylons in the north-east




Plate 20: Northern parcel – Off site Manganese storage tanks

# Appendix C
# ENVIROCHECK DATA REPORTS AND HISTORICAL MAPS




# Groundwater Vulnerability

## General

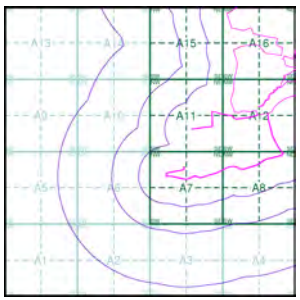
Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

## 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



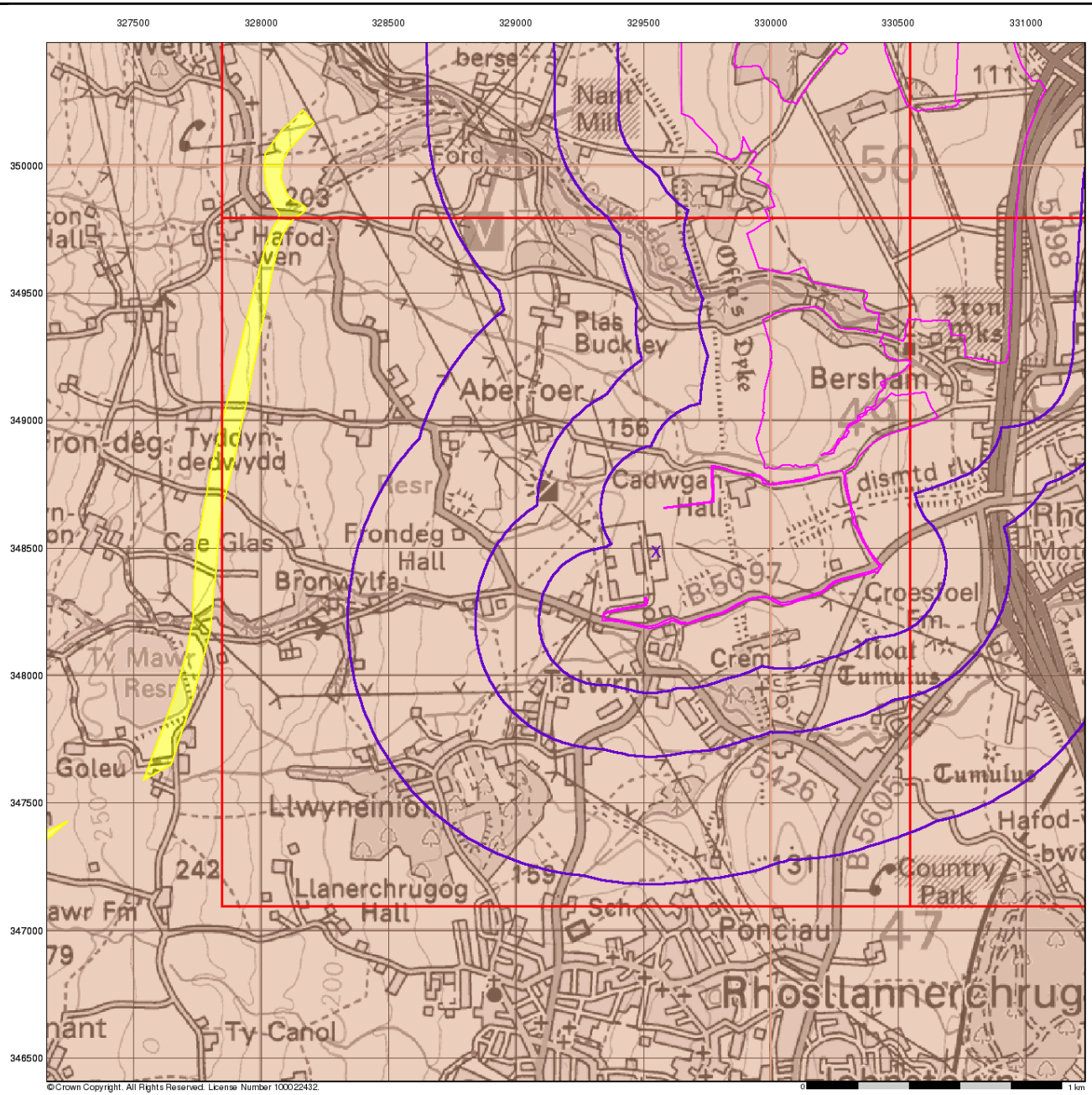

## Order Details

| | |
|---|---|
| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 329550, 348490 |
| Slice: | A |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 1000 |

## Site Details

Site at 330330, 350090

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




# Bedrock Aquifer Designation

## General

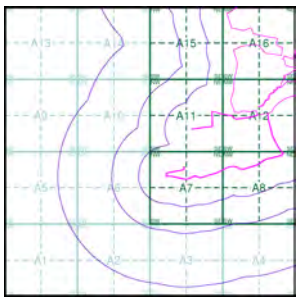
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

## 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



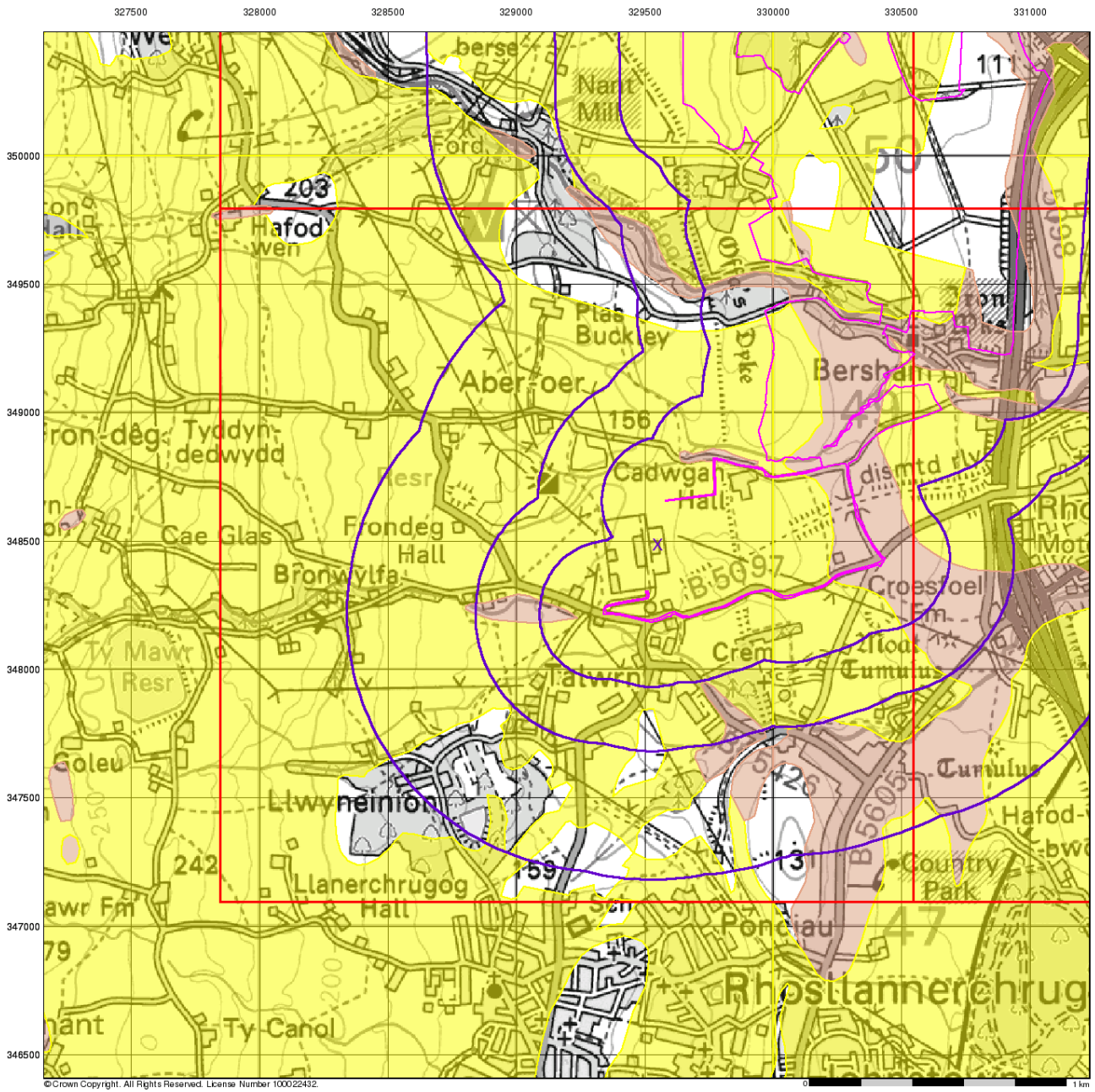

## Order Details

| | |
|---|---|
| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 329550, 348490 |
| Slice: | A |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 1000 |

## Site Details

Site at 330330, 350090


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




# Superficial Aquifer Designation

## General

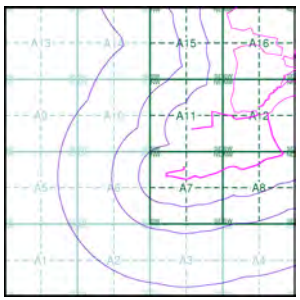
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

## 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

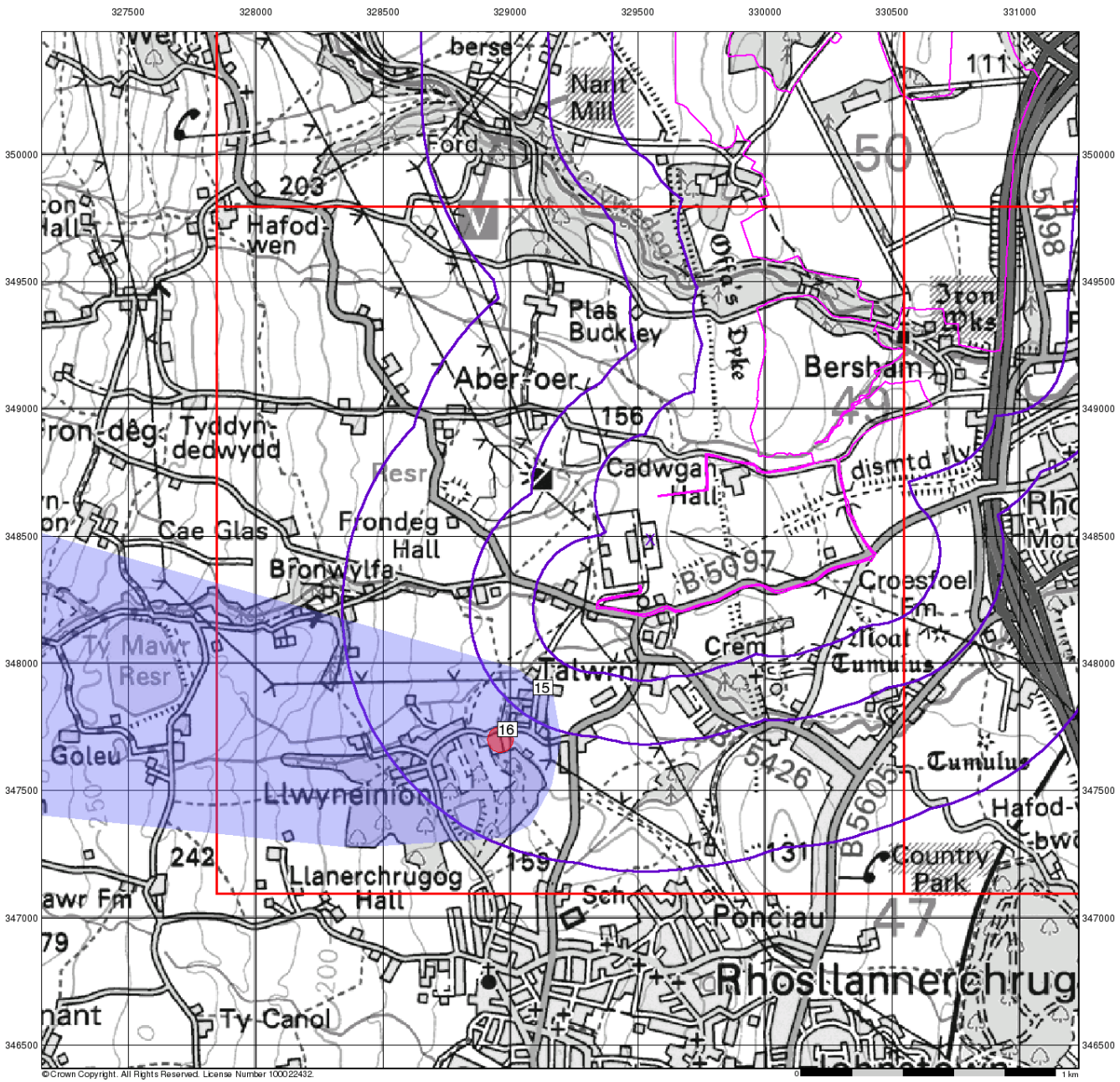



## Order Details

| | |
|---|---|
| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 329550, 348490 |
| Slice: | A |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 1000 |

## Site Details

Site at 330330, 350090




# Source Protection Zones

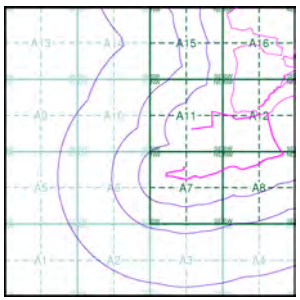
## General

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

## Agency and Hydrological

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

## Site Sensitivity Context Map - Slice A



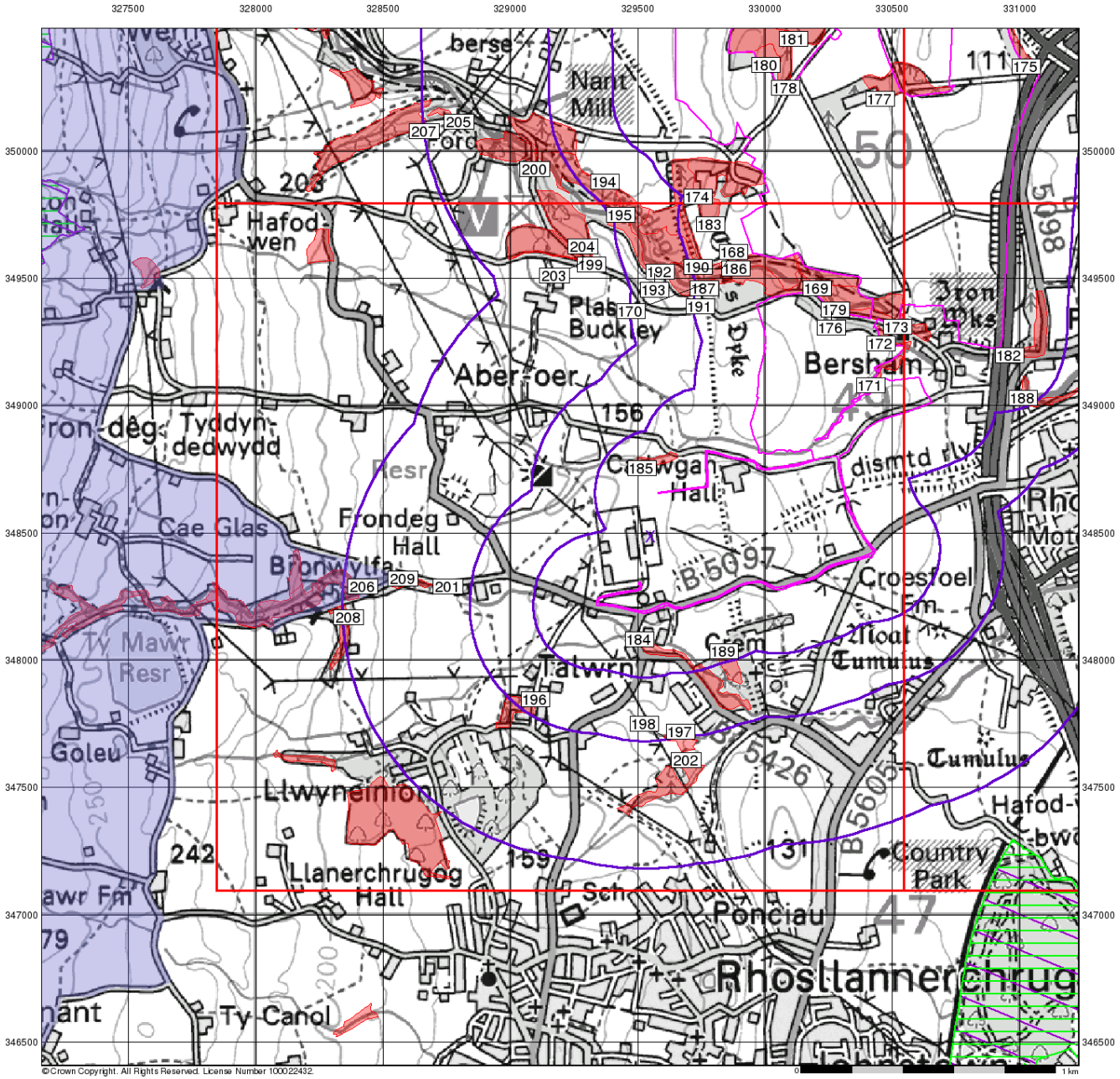

## Order Details

| | |
|---|---|
| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 329550, 348490 |
| Slice: | A |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 1000 |

## Site Details

Site at 330330, 350090

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




# Sensitive Land Uses

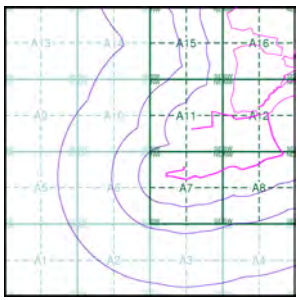
## General

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



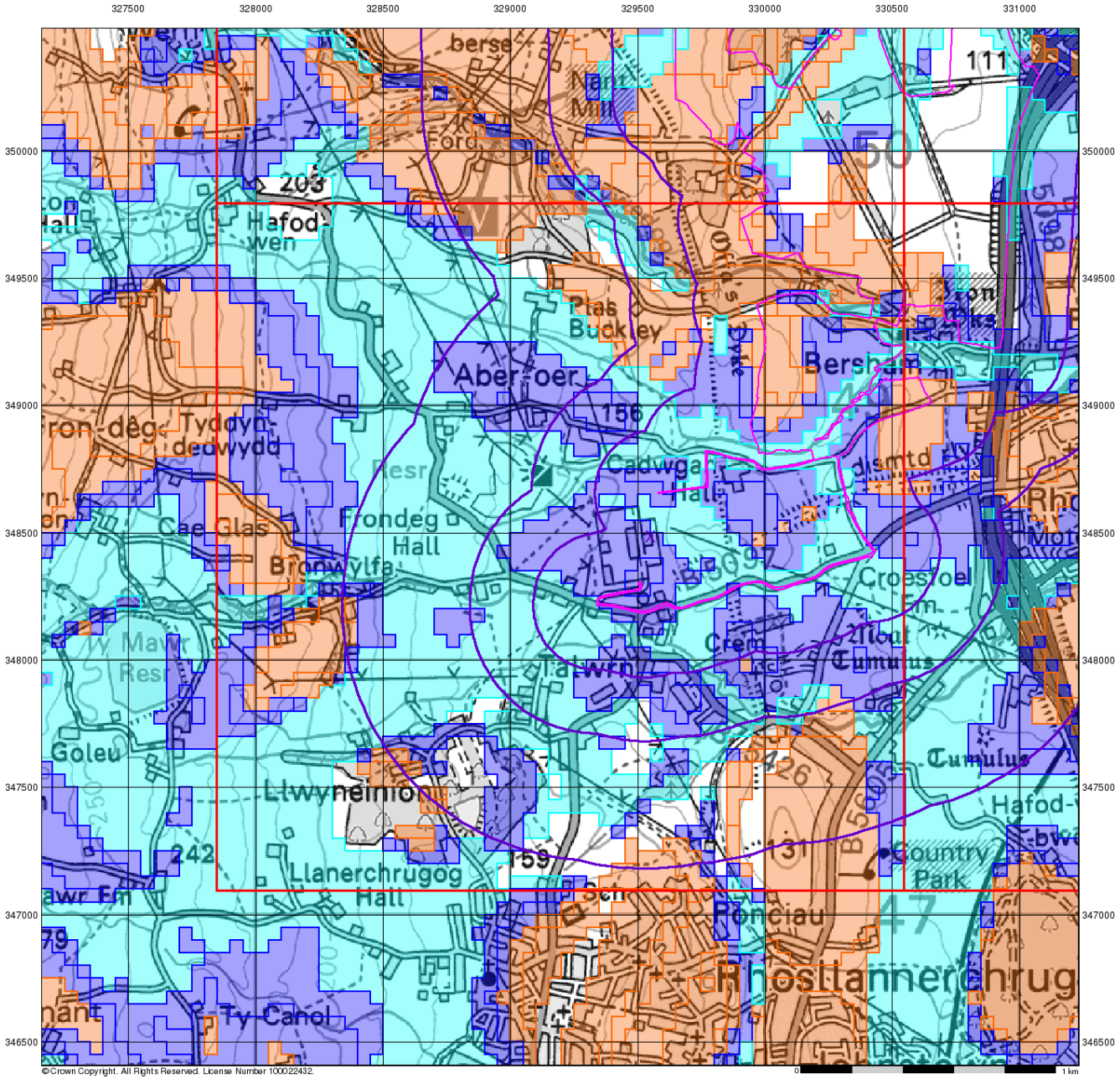

## Order Details

| | |
|---|---|
| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 329550, 348490 |
| Slice: | A |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 1000 |

## Site Details

Site at 330330, 350090

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Web: www.envirocheck.co.uk




## BGS Flood GFS Data

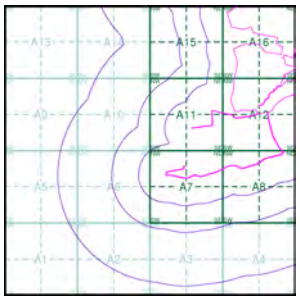
### General

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: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 329550, 348490 |
| Slice: | A |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 1000 |

## Site Details

Site at 330330, 350090

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

# Envirocheck® Report:

# Datasheet

## Order Details:

**Order Number:**
291151542_1_1

**Customer Reference:**
JER8537

**National Grid Reference:**
329550, 348490

**Slice:**
A

**Site Area (Ha):**
145.64

**Search Buffer (m):**
1000

## Site Details:

Site at 330330, 350090

## Client Details:

Mr G Chapman
RPS Consulting Services Ltd
260 Park Avenue
Aztec West
Almondsbury
Bristol
BS32 4SY

# Contents


| Report Section | Page Number |
|---|---|
| Summary | - |
| Agency & Hydrological | 1 |
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| Hazardous Substances | - |
| Geological | 41 |
| Industrial Land Use | 49 |
| Sensitive Land Use | 50 |
| Data Currency | 53 |
| Data Suppliers | 57 |
| Useful Contacts | 58 |


**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**

# 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 10 | | 13 | | 2 |
| Prosecutions Relating to Controlled Waters | | | n/a | n/a | n/a |
| Enforcement and Prohibition Notices | | | | | |
| Integrated Pollution Controls | | | | | |
| Integrated Pollution Prevention And Control | | | | | |
| Local Authority Integrated Pollution Prevention And Control | | | | | |
| Local Authority Pollution Prevention and Controls | pg 13 | | | 1 | |
| Local Authority Pollution Prevention and Control Enforcements | | | | | |
| Nearest Surface Water Feature | pg 13 | Yes | | | |
| Pollution Incidents to Controlled Waters | pg 13 | | | 1 | 2 |
| Prosecutions Relating to Authorised Processes | | | | | |
| Registered Radioactive Substances | | | | | |
| River Quality | pg 14 | 1 | | | |
| River Quality Biology Sampling Points | | | | | |
| River Quality Chemistry Sampling Points | | | | | |
| Substantiated Pollution Incident Register | pg 14 | | | | 2 |
| Water Abstractions | pg 14 | | | | 2 (*2) |
| Water Industry Act Referrals | | | | | |
| Groundwater Vulnerability Map | pg 15 | Yes | n/a | n/a | n/a |
| Bedrock Aquifer Designations | pg 21 | Yes | n/a | n/a | n/a |
| Superficial Aquifer Designations | pg 22 | Yes | n/a | n/a | n/a |
| Source Protection Zones | pg 22 | | | 1 | 1 |
| Extreme Flooding from Rivers or Sea without Defences | pg 22 | Yes | | n/a | n/a |
| Flooding from Rivers or Sea without Defences | pg 22 | Yes | | n/a | n/a |
| Areas Benefiting from Flood Defences | | | | n/a | n/a |
| Flood Water Storage Areas | | | | n/a | n/a |
| Flood Defences | | | | n/a | n/a |
| OS Water Network Lines | pg 23 | 7 | 40 | 22 | 48 |

# 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 37 | | | 1 | 5 |
| Integrated Pollution Control Registered Waste Sites | | | | | |
| Licensed Waste Management Facilities (Landfill Boundaries) | | | | | |
| Licensed Waste Management Facilities (Locations) | pg 38 | | | | 2 |
| Local Authority Landfill Coverage | pg 38 | 1 | n/a | n/a | n/a |
| Local Authority Recorded Landfill Sites | pg 38 | | | 1 | 5 |
| Registered Landfill Sites | | | | | |
| Registered Waste Transfer Sites | | | | | |
| Registered Waste Treatment or Disposal Sites | pg 39 | | | | 2 |
| **Hazardous Substances** | | | | | |
| Control of Major Accident Hazards Sites (COMAH) | | | | | |
| Explosive Sites | | | | | |
| Notification of Installations Handling Hazardous Substances (NIHHS) | | | | | |
| Planning Hazardous Substance Consents | | | | | |
| Planning Hazardous Substance Enforcements | | | | | |
| **Geological** | | | | | |
| BGS 1:625,000 Solid Geology | pg 41 | Yes | n/a | n/a | n/a |
| BGS Recorded Mineral Sites | pg 41 | | 1 | | 12 |
| CBSCB Compensation District | | | n/a | n/a | n/a |
| Coal Mining Affected Areas | pg 43 | Yes | n/a | n/a | n/a |
| Mining Instability | pg 43 | Yes | n/a | n/a | n/a |
| Man-Made Mining Cavities | | | | | |
| Natural Cavities | | | | | |
| Non Coal Mining Areas of Great Britain | pg 43 | Yes | | n/a | n/a |
| Potential for Collapsible Ground Stability Hazards | pg 43 | Yes | | n/a | n/a |
| Potential for Compressible Ground Stability Hazards | pg 44 | Yes | Yes | n/a | n/a |
| Potential for Ground Dissolution Stability Hazards | | | | n/a | n/a |
| Potential for Landslide Ground Stability Hazards | pg 44 | Yes | Yes | n/a | n/a |
| Potential for Running Sand Ground Stability Hazards | pg 45 | Yes | Yes | n/a | n/a |
| Potential for Shrinking or Swelling Clay Ground Stability Hazards | pg 46 | Yes | | n/a | n/a |
| Radon Potential - Radon Affected Areas | pg 47 | Yes | n/a | n/a | n/a |
| Radon Potential - Radon Protection Measures | pg 47 | Yes | n/a | n/a | n/a |

# Summary

| Data Type | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|---|---|---|---|---|---|
| **Industrial Land Use** | | | | | |
| Contemporary Trade Directory Entries | pg 49 | | 2 | 1 | 5 |
| Fuel Station Entries | | | | | |
| Gas Pipelines | | | | | |
| Underground Electrical Cables | | | | | |
| **Sensitive Land Use** | | | | | |
| Ancient Woodland | pg 50 | 13 | 12 | 6 | 10 |
| Areas of Adopted Green Belt | | | | | |
| Areas of Unadopted Green Belt | | | | | |
| Areas of Outstanding Natural Beauty | pg 52 | | | | 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 | | | | | |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A16SW (NE) | 0 | 1 | 330050 349400 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A16SW (NE) | 0 | 1 | 330100 349400 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | A16SW (NE) | 0 | 1 | 330200 349400 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A16SW (NE) | 0 | 1 | 330200 349450 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A16SE (NE) | 0 | 1 | 330500 349400 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A16NW (N) | 0 | 1 | 330000 349750 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | (NE) | 0 | 1 | 330950 350000 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | (NE) | 0 | 1 | 330950 349650 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A16NW (NE) | 0 | 1 | 330000 349550 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | (N) | 0 | 1 | 329400 350200 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (N) | 0 | 1 | 330200 350350 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (N) | 0 | 1 | 329850 350400 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | (N) | 0 | 1 | 330200 350400 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (N) | 0 | 1 | 329900 350050 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (N) | 0 | 1 | 329950 350050 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (N) | 0 | 1 | 330000 350050 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (N) | 0 | 1 | 329800 350250 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (N) | 0 | 1 | 330000 350300 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | (N) | 0 | 1 | 330000 350150 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | (N) | 0 | 1 | 330050 349900 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A16NW (N) | 0 | 1 | 329950 349600 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A16NW (N) | 0 | 1 | 330000 349600 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A16NW (NE) | 0 | 1 | 330100 349600 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (N) | 0 | 1 | 329800 350000 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (N) | 0 | 1 | 329900 350000 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (N) | 0 | 1 | 329850 349950 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (NE) | 0 | 1 | 330250 349950 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A16NW (N) | 0 | 1 | 329950 349700 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A16NW (N) | 0 | 1 | 330000 349650 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (N) | 0 | 1 | 329551 350000 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A15NE (N) | 0 | 1 | 329650 349500 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A16NW (NE) | 0 | 1 | 330200 349700 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (N) | 0 | 1 | 329900 349900 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | (N) | 0 | 1 | 330000 350000 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | (N) | 0 | 1 | 329950 350100 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A16NW (NE) | 0 | 1 | 330150 349550 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A16NE (NE) | 0 | 1 | 330250 349550 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A16SE (NE) | 0 | 1 | 330500 349450 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | (NE) | 0 | 1 | 330750 349450 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (N) | 0 | 1 | 329950 350000 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (N) | 0 | 1 | 330150 350000 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (NE) | 0 | 1 | 330350 350000 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | (NE) | 0 | 1 | 330300 350100 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (NE) | 0 | 1 | 331100 350150 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (N) | 0 | 1 | 329551 350450 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | (N) | 0 | 1 | 330250 350450 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (N) | 0 | 1 | 330350 350450 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (N) | 0 | 1 | 329850 350000 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (N) | 0 | 1 | 329900 349800 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (N) | 0 | 1 | 329950 349900 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (N) | 0 | 1 | 330000 349800 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (NE) | 0 | 1 | 330250 349800 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (NE) | 0 | 1 | 330900 349800 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A7NE (S) | 0 | 1 | 329551 348400 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A11SE (E) | 0 | 1 | 329551 348488 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A7NE (SE) | 0 | 1 | 329850 348300 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A12NW (NE) | 0 | 1 | 330150 349050 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A16SE (NE) | 0 | 1 | 330250 349250 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A12SE (E) | 0 | 1 | 330350 348600 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A16SW (NE) | 0 | 1 | 330150 349150 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A16SW (NE) | 0 | 1 | 329950 349150 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A12NW (NE) | 0 | 1 | 330050 349000 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A12NW (NE) | 0 | 1 | 330150 349000 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A12NE (NE) | 0 | 1 | 330450 349000 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | A8NW (E) | 0 | 1 | 330000 348350 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A11SE (N) | 0 | 1 | 329600 348650 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A12NE (NE) | 0 | 1 | 330250 348800 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A12SE (E) | 0 | 1 | 330450 348750 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (NE) | 0 | 1 | 330800 349250 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A12NW (NE) | 0 | 1 | 329950 348900 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A12NW (NE) | 0 | 1 | 329950 348950 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A12NW (NE) | 0 | 1 | 330000 348900 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A12NW (NE) | 0 | 1 | 330050 348900 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A12SE (E) | 0 | 1 | 330400 348700 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A16SW (NE) | 0 | 1 | 330000 349350 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A16SW (NE) | 0 | 1 | 330050 349350 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | A16SE (NE) | 0 | 1 | 330250 349350 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A16SE (NE) | 0 | 1 | 330450 349350 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (NE) | 0 | 1 | 330650 349350 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (NE) | 0 | 1 | 330700 349400 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A12SW (E) | 0 | 1 | 330000 348450 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A12NE (NE) | 0 | 1 | 330450 349100 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A12NE (NE) | 0 | 1 | 330500 349100 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (NE) | 0 | 1 | 330600 349100 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | A11SE (N) | 0 | 1 | 329551 348500 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A11NE (N) | 0 | 1 | 329650 348950 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A12NW (NE) | 0 | 1 | 330000 348850 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A16SW (NE) | 0 | 1 | 330100 349150 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
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| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (NE) | 0 | 1 | 330600 349300 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A15SE (N) | 0 | 1 | 329550 349150 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A16SW (NE) | 0 | 1 | 330000 349400 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A16SE (NE) | 0 | 1 | 330300 349300 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A16SE (NE) | 0 | 1 | 330500 349300 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A11SE (NE) | 0 | 1 | 329750 348600 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (N) | 1 | 1 | 330200 350450 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A12NW (NE) | 2 | 1 | 329900 348950 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A16NW (NE) | 4 | 1 | 330000 349500 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (N) | 7 | 1 | 330150 350400 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A16SE (NE) | 13 | 1 | 330250 349400 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A12SE (E) | 13 | 1 | 330250 348600 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (NE) | 19 | 1 | 331050 350350 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (NE) | 19 | 1 | 330550 349150 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (NE) | 19 | 1 | 330550 349250 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A8NW (SE) | 21 | 1 | 330000 348250 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A11SE (NE) | 23 | 1 | 329800 348650 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (N) | 24 | 1 | 329800 349950 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A12SE (E) | 27 | 1 | 330350 348650 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A11SE (NE) | 27 | 1 | 329650 348700 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A16SW (NE) | 34 | 1 | 329900 349150 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A15NE (N) | 37 | 1 | 329800 349500 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (N) | 39 | 1 | 330050 350350 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (E) | 46 | 1 | 330550 348700 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (NE) | 47 | 1 | 331100 350350 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A16SW (NE) | 47 | 1 | 329900 349250 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (N) | 49 | 1 | 329300 350000 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (N) | 49 | 1 | 329850 349900 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (N) | 65 | 1 | 329850 349800 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (NE) | 74 | 1 | 331150 350300 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (NE) | 74 | 1 | 330900 349100 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A12SE (E) | 75 | 1 | 330400 348650 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (NE) | 76 | 1 | 330600 350300 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (NE) | 82 | 1 | 331150 350350 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (NE) | 82 | 1 | 331050 350450 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A12SW (E) | 92 | 1 | 329950 348450 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (NE) | 96 | 1 | 331050 349350 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A12SW (E) | 97 | 1 | 330000 348488 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A7NE (SE) | 97 | 1 | 329750 348400 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A7SW (S) | 98 | 1 | 329450 348100 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A7NE (SE) | 100 | 1 | 329850 348150 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A12SE (E) | 107 | 1 | 330450 348600 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (E) | 115 | 1 | 330550 348488 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A12SW (E) | 122 | 1 | 330150 348550 |

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|---|---|---|---|---|---|
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A12SE (E) | 123 | 1 | 330450 348650 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (NE) | 124 | 1 | 331200 350300 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (NE) | 127 | 1 | 331100 350450 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | A15SE (N) | 127 | 1 | 329800 349200 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | A11SW (NW) | 132 | 1 | 329450 348600 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A12SW (E) | 142 | 1 | 329950 348488 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (E) | 144 | 1 | 330800 348900 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A11SE (E) | 144 | 1 | 329850 348500 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (N) | 146 | 1 | 329550 350050 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (E) | 148 | 1 | 331000 349050 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (N) | 149 | 1 | 329400 350350 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (N) | 149 | 1 | 329450 350400 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (NE) | 150 | 1 | 331100 349350 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | (NE) | 151 | 1 | 331150 350450 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (N) | 152 | 1 | 329450 350100 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (NE) | 164 | 1 | 331100 349250 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A15SE (N) | 178 | 1 | 329700 349450 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (N) | 185 | 1 | 329550 350000 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (E) | 187 | 1 | 330700 348750 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A15SE (N) | 189 | 1 | 329750 349250 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (E) | 192 | 1 | 331000 349000 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A7SW (S) | 195 | 1 | 329450 348000 |

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|---|---|---|---|---|---|
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A12SW (E) | 195 | 1 | 330050 348500 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A11NW (N) | 210 | 1 | 329500 348850 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (E) | 217 | 1 | 331050 349000 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A15NE (N) | 226 | 1 | 329550 349700 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (N) | 227 | 1 | 329450 350050 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A8SW (SE) | 227 | 1 | 330000 348050 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A7SE (S) | 232 | 1 | 329551 347950 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A15SE (N) | 237 | 1 | 329700 349250 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (E) | 239 | 1 | 330950 348800 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A11NE (N) | 240 | 1 | 329551 349100 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (N) | 254 | 1 | 329450 350000 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A8SW (SE) | 258 | 1 | 329900 348000 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (E) | 259 | 1 | 331050 348950 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (N) | 260 | 1 | 329550 349900 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | A15SE (N) | 270 | 1 | 329600 349450 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A11NW (N) | 277 | 1 | 329450 348900 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A15SE (N) | 285 | 1 | 329650 349250 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (N) | 287 | 1 | 329400 349850 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (E) | 298 | 1 | 330800 348700 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (N) | 301 | 1 | 329350 350200 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (E) | 304 | 1 | 331200 349050 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A8SE (SE) | 310 | 1 | 330350 348050 |

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|---|---|---|---|---|---|
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A7SE (S) | 311 | 1 | 329750 347900 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A15NE (N) | 319 | 1 | 329551 349600 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A15NE (N) | 334 | 1 | 329551 349550 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A15SE (N) | 338 | 1 | 329600 349200 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (E) | 343 | 1 | 330800 348650 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A15NE (N) | 359 | 1 | 329550 349650 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A15SE (N) | 370 | 1 | 329551 349150 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | A8SW (SE) | 387 | 1 | 330050 347850 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A8SE (SE) | 417 | 1 | 330250 347900 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (N) | 429 | 1 | 329350 349850 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | (E) | 430 | 1 | 330850 348550 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | A3NE (S) | 433 | 1 | 329551 347750 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (N) | 435 | 1 | 329400 349800 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (E) | 436 | 1 | 330900 348550 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A6NE (SW) | 440 | 1 | 328900 348200 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A8SW (SE) | 448 | 1 | 330200 347850 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (N) | 451 | 1 | 329250 349900 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | A15SW (N) | 458 | 1 | 329450 349150 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | (N) | 465 | 1 | 329300 349850 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A3NW (S) | 488 | 1 | 329450 347700 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (N) | 499 | 1 | 329300 349800 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 1 | **Discharge Consents**<br>Operator: Exors Of Col G E Fitzhugh Deceased<br>Property Type: Undefined Or Other<br>Location: Bersham Bersham Smithy & Mill Terra, Bersham Smithy & Mill Terrace/<br>Authority: Natural Resources Wales<br>Catchment Area: River Dee<br>Reference: Cm0014401<br>Permit Version: 1<br>Effective Date: 13th November 1962<br>Issued Date: 13th November 1962<br>Revocation Date: 22nd December 1992<br>Discharge Type: Unspecified<br>Discharge Environment: Not Supplied<br>Receiving Water: To Land<br>**Status: Consent expired**<br>Positional Accuracy: Located by supplier to within 10m | A12NE (NE) | 13 | 2 | 330450 349100 |
| 2 | **Discharge Consents**<br>Operator: Mr L E Davies<br>Property Type: Undefined Or Other<br>Location: Legacy Station House<br>Authority: Natural Resources Wales<br>Catchment Area: River Dee<br>Reference: Cm0048101<br>Permit Version: 1<br>Effective Date: 26th February 1968<br>Issued Date: 26th February 1968<br>Revocation Date: 23rd February 1995<br>Discharge Type: Unspecified<br>Discharge Environment: Not Supplied<br>Receiving Water: Pentrebychan Brook<br>**Status: Consent expired**<br>Positional Accuracy: Located by supplier to within 10m | A7NW (SW) | 52 | 2 | 329300 348180 |
| 3 | **Discharge Consents**<br>Operator: The National Grid Company Plc<br>Property Type: SUB-STATION/ELECTRICITY/GAS/AIR CONDITIONING SUPPLY<br>Location: Legacy 132/400kv Substation Wrexh, Wrexham<br>Authority: Natural Resources Wales<br>Catchment Area: BLACK BROOK (CLYWEDOG)<br>Reference: CM0029201<br>Permit Version: 1<br>Effective Date: 18th June 1965<br>Issued Date: 18th June 1965<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: Pentrebychan Brook<br>**Status: Effective**<br>Positional Accuracy: Located by supplier to within 100m | A7NE (S) | 108 | 2 | 329600 348370 |
| 4 | **Discharge Consents**<br>Operator: H. Pritchard (Gresford) Ltd.<br>Property Type: Domestic Property (Single)<br>Location: Land Adjacent To Min Y Cored, Bronwylfa Road, Rhostyllen, Wrexham, Wales, Ll14 4hy<br>Authority: Natural Resources Wales<br>Catchment Area: Not Supplied<br>Reference: Cg0440201<br>Permit Version: 1<br>Effective Date: 1st March 2006<br>Issued Date: 17th January 2006<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: Pentrebychan Brook<br>**Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)**<br>Positional Accuracy: Located by supplier to within 10m | A7NW (SW) | 130 | 2 | 329210 348210 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 5 | **Discharge Consents**<br>Operator: Company Secretary<br>Property Type: Water Treatment Works<br>Location: Legacy Wtw Bronwylfa Road Legacy Ne, Bronwylfa Road, Legacy, Near Wrexham, Ll14 4hy<br>Authority: Natural Resources Wales<br>Catchment Area: River Dee<br>Reference: Cm0108601<br>Permit Version: 2<br>Effective Date: 28th August 1991<br>Issued Date: 28th August 1991<br>Revocation Date: 5th February 1995<br>Discharge Type: Trade Effluent<br>Discharge Environment: Not Supplied<br>Receiving Water: Pentrebychan Brook<br>**Status: Authorisation revoked**<br>Positional Accuracy: Located by supplier to within 10m | A7SE (S) | 141 | 2 | 329610 348060 |
| 5 | **Discharge Consents**<br>Operator: Company Secretary<br>Property Type: Water Treatment Works<br>Location: Legacy Wtw Bronwylfa Road Legacy Ne, Bronwylfa Road, Legacy, Near Wrexham, Ll14 4hy<br>Authority: Natural Resources Wales<br>Catchment Area: River Dee<br>Reference: Cm0108601<br>Permit Version: 1<br>Effective Date: 1st January 1967<br>Issued Date: 29th March 1965<br>Revocation Date: 27th August 1991<br>Discharge Type: Trade Effluent<br>Discharge Environment: Not Supplied<br>Receiving Water: Pentrebychan Brook<br>**Status: Authorisation revoked**<br>Positional Accuracy: Located by supplier to within 10m | A7SE (S) | 141 | 2 | 329610 348060 |
| 5 | **Discharge Consents**<br>Operator: National Grid Plc<br>Property Type: Production & Distribution Of Electricity<br>Location: Legacy Substation, Bronwylfa Road, Pentre Bychan, Wrexham, Ll14 4hy<br>Authority: Natural Resources Wales<br>Catchment Area: Not Supplied<br>Reference: Cg0430401<br>Permit Version: 1<br>Effective Date: 17th December 2004<br>Issued Date: 17th December 2004<br>Revocation Date: 1st August 2010<br>Discharge Type: Trade Discharges - Site Drainage (Contam Surface Water, Not Tips)<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: Pentre Bychan Brook<br>**Status: Revoked under EPR 2010**<br>Positional Accuracy: Located by supplier to within 10m | A7SE (S) | 155 | 2 | 329650 348045 |
| 5 | **Discharge Consents**<br>Operator: Hafren Dyfrdwy Cyfyngedig<br>Property Type: Water Treatment Works<br>Location: Legacy Water Treatment Works, Brownwylfa Road, Legacy, Wrexham, Ll14 4hy<br>Authority: Natural Resources Wales<br>Catchment Area: BLACK BROOK (CLYWEDOG)<br>Reference: Cm0108601<br>Permit Version: 5<br>Effective Date: 4th January 2019<br>Issued Date: 20th December 2018<br>Revocation Date: Not Supplied<br>Discharge Type: Sewerage And Trade Discharge - Process Water<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: Pentrebychan Brook<br>**Status: Effective**<br>Positional Accuracy: Located by supplier to within 10m | A7SE (S) | 157 | 2 | 329651 348043 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 5 | **Discharge Consents**<br>Operator: Company Secretary<br>Property Type: Water Treatment Works<br>Location: Legacy Wtw Bronwylfa Road Legacy Ne, Bronwylfa Road, Legacy, Near Wrexham, Ll14 4hy<br>Authority: Natural Resources Wales<br>Catchment Area: BLACK BROOK (CLYWEDOG)<br>Reference: Cm0108601<br>Permit Version: 4<br>Effective Date: 30th April 2003<br>Issued Date: 29th April 2003<br>Revocation Date: Not Supplied<br>Discharge Type: Sewerage And Trade Discharge - Process Water<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: Pentrebychan Brook<br>**Status: Effective**<br>Positional Accuracy: Located by supplier to within 10m | A7SE (S) | 157 | 2 | 329651 348043 |
| 5 | **Discharge Consents**<br>Operator: Company Secretary<br>Property Type: Water Treatment Works<br>Location: Legacy Wtw Bronwylfa Road Legacy Ne, Bronwylfa Road, Legacy, Near Wrexham, Ll14 4hy<br>Authority: Natural Resources Wales<br>Catchment Area: River Dee<br>Reference: CM0108601<br>Permit Version: 3<br>Effective Date: 6th February 1995<br>Issued Date: 6th February 1995<br>Revocation Date: 30th April 2003<br>Discharge Type: Trade Discharges - Process Effluent - Water Company (Wtw)<br>Discharge Environment: Not Supplied<br>Receiving Water: Pentrebychan Brook<br>**Status: New Consent, by Application (Water Resources Act 1991, Section 88)**<br>Positional Accuracy: Located by supplier to within 100m | A7SE (S) | 157 | 2 | 329651 348043 |
| 5 | **Discharge Consents**<br>Operator: Mr & Mrs A & D E Morris<br>Property Type: Domestic Property (Single)<br>Location: Esclusham Hall Legacy Wrexham<br>Authority: Natural Resources Wales<br>Catchment Area: River Dee<br>Reference: CM0232001<br>Permit Version: 2<br>Effective Date: 21st June 1993<br>Issued Date: 21st June 1993<br>Revocation Date: Not Supplied<br>Discharge Type: Unspecified<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: Pentrebychan Brook<br>**Status: New Consent, by Application (Water Resources Act 1991, Section 88)**<br>Positional Accuracy: Located by supplier to within 100m | A7SE (S) | 170 | 2 | 329650 348030 |
| 5 | **Discharge Consents**<br>Operator: Mr & Mrs A & D E Morris<br>Property Type: Domestic Property (Single)<br>Location: Esclusham Hall Legacy Wrexham<br>Authority: Natural Resources Wales<br>Catchment Area: River Dee<br>Reference: Cm0232001<br>Permit Version: 1<br>Effective Date: 26th November 1990<br>Issued Date: 26th November 1990<br>Revocation Date: 20th June 1993<br>Discharge Type: Unspecified<br>Discharge Environment: Not Supplied<br>Receiving Water: Pentrebychan Brook<br>**Status: Authorisation revoked**<br>Positional Accuracy: Located by supplier to within 10m | A7SE (S) | 170 | 2 | 329650 348030 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 6 | **Discharge Consents**<br>Operator: The National Grid Company Plc<br>Property Type: SUB-STATION/ELECTRICITY/GAS/AIR CONDITIONING SUPPLY<br>Location: Legacy 132/400kv Substation Wrexh, Wrexham<br>Authority: Natural Resources Wales<br>Catchment Area: BLACK BROOK (CLYWEDOG)<br>Reference: CM0036201<br>Permit Version: 1<br>Effective Date: 8th August 1966<br>Issued Date: 8th August 1966<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: Pentrebychan Brook<br>**Status:** **Effective**<br>Positional Accuracy: Located by supplier to within 100m | A7SE (S) | 146 | 2 | 329600 348050 |
| 7 | **Discharge Consents**<br>Operator: National Grid Company Plc<br>Property Type: Other Transport<br>Location: Wrexham Legacy Depot & Garage<br>Authority: Natural Resources Wales<br>Catchment Area: River Dee<br>Reference: Cm0083001<br>Permit Version: 1<br>Effective Date: 13th July 1977<br>Issued Date: 13th July 1977<br>Revocation Date: 5th April 1995<br>Discharge Type: Unspecified<br>Discharge Environment: Not Supplied<br>Receiving Water: Trib. Of Pentrebychan Brook<br>**Status:** **Consent expired**<br>Positional Accuracy: Located by supplier to within 10m | A2NE (SW) | 548 | 2 | 329100 347720 |
| 8 | **Discharge Consents**<br>Operator: Manweb Plc<br>Property Type: Business Services<br>Location: Rhostyllen - Manweb Offices Smithy, Smithy Lane.<br>Authority: Natural Resources Wales<br>Catchment Area: River Dee<br>Reference: Cm0231201<br>Permit Version: 1<br>Effective Date: 28th December 1990<br>Issued Date: 28th December 1990<br>Revocation Date: 21st November 1994<br>Discharge Type: Unspecified<br>Discharge Environment: Not Supplied<br>Receiving Water: Pentrebychan Brook<br>**Status:** **Consent expired**<br>Positional Accuracy: Located by supplier to within 10m | A4NE (SE) | 622 | 2 | 330390 347730 |
| 9 | **Local Authority Pollution Prevention and Controls**<br>Name: Pentrebychan Crematorium<br>Location: Pentrebychan, WREXHAM, Clwyd, LL14 4EP<br>Authority: Wrexham County Borough Council, Environmental Health Department<br>Permit Reference: WCBC/PG5/2/PC(v3)<br>Dated: 14th July 1993<br>Process Type: Local Authority Air Pollution Control<br>Description: PG5/2 Crematoria<br>**Status:** **Authorised**<br>Positional Accuracy: Automatically positioned to the address | A8SW (SE) | 342 | 3 | 329964 347935 |
| | **Nearest Surface Water Feature** | A16SE (NE) | 0 | - | 330427 349365 |
| 10 | **Pollution Incidents to Controlled Waters**<br>Property Type: Not Given<br>Location: At Brookside, Lledy Lane, WREXHAM<br>Authority: Environment Agency, Welsh Region<br>Pollutant: Unknown<br>Note: Unknown; Afon Clywedog<br>Incident Date: 24th August 1998<br>Incident Reference: 36562<br>Catchment Area: Not Given<br>Receiving Water: Not Given<br>Cause of Incident: Unknown<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m | A8SW (SE) | 496 | 4 | 330200 347800 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 11 | **Pollution Incidents to Controlled Waters**<br>Property Type: Waste Handling Facilities<br>Location: Packsaddle Bridge<br>Authority: Environment Agency, Welsh Region<br>Pollutant: Algae<br>Note: Accidental Spillage/Leakage<br>Incident Date: 14th November 1995<br>Incident Reference: 26617<br>Catchment Area: Not Given<br>Receiving Water: Not Given<br>Cause of Incident: Direct Discharge<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m | A4NE (SE) | 645 | 4 | 330500 347750 |
| 12 | **Pollution Incidents to Controlled Waters**<br>Property Type: Waste Handling Facilities<br>Location: Legacy Between, Talwrn Borehole And Dkelly Scrap<br>Authority: Environment Agency, Welsh Region<br>Pollutant: Sewage - Septic Tank Effluent<br>Note: Accidental Spillage/Leakage<br>Incident Date: 2nd May 1991<br>Incident Reference: 2645<br>Catchment Area: Not Given<br>Receiving Water: Not Given<br>Cause of Incident: Spillage<br>Incident Severity: Category 2 - Significant Incident<br>Positional Accuracy: Located by supplier to within 100m | A2NE (SW) | 685 | 4 | 328950 347650 |
| | **River Quality**<br>Name: Clywedog<br>GQA Grade: River Quality A<br>Reach: Conf.Black Bk.Erddig Pk-Conf.Trib.<br>Estimated Distance (km): 5.3<br>Flow Rate: Flow less than 0.31 cumecs<br>Flow Type: River<br>Year: 2000 | A15NE (N) | 0 | 4 | 329730 349481 |
| 13 | **Substantiated Pollution Incident Register**<br>Authority: Natural Resources Wales<br>Incident Date: 4th May 2003<br>Incident Reference: 155932<br>Water Impact: Category 4 - No Impact<br>Air Impact: Category 2 - Significant Incident<br>Land Impact: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 10m<br>Pollutant: Atmospheric Pollutants and Effects: Smoke | A2NE (SW) | 699 | 2 | 328930 347647 |
| 13 | **Substantiated Pollution Incident Register**<br>Authority: Natural Resources Wales<br>Incident Date: 6th May 2003<br>Incident Reference: 156107<br>Water Impact: Category 4 - No Impact<br>Air Impact: Category 2 - Significant Incident<br>Land Impact: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 10m<br>Pollutant: Atmospheric Pollutants and Effects: Smoke | A2NE (SW) | 719 | 2 | 328923 347627 |
| 14 | **Water Abstractions**<br>Operator: Dee Valley Water Plc<br>Licence Number: 24/67/7/0037<br>Permit Version: 100<br>Location: Talwrn Borehole<br>Authority: Natural Resources Wales<br>Abstraction: Public Water Supply: Potable Water Supply - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Talwrn Borehole<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 1st April 2007<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | A2NE (SW) | 638 | 2 | 328960 347700 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 14 | **Water Abstractions**<br>Operator: Hafren Dyfrdwy Cyfyngedig<br>Licence Number: 24/67/7/0037<br>Permit Version: Not Supplied<br>Location: Underground Strata At Talwrn Nr Rhosllanerchrugog, Llwyneinion Road, Legacy, Rhostyllen, Rhosllanerchrugog, Wrexham, Ll14 4et<br>Authority: Natural Resources Wales<br>Abstraction: Public Water Supply: Potable Water Supply - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: Not Supplied<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A2NE (SW) | 638 | 2 | 328960 347700 |
| | **Water Abstractions**<br>Operator: Dee Valley Water Plc<br>Licence Number: 24/67/7/0036<br>Permit Version: 100<br>Location: Ty Mawrreservoir<br>Authority: Natural Resources Wales<br>Abstraction: Public Water Supply: Potable Water Supply - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Ty Mawrreservoir<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 9th August 1966<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | (W) | 1693 | 2 | 327670 347931 |
| | **Water Abstractions**<br>Operator: Hafren Dyfrdwy Cyfyngedig<br>Licence Number: 24/67/7/0036<br>Permit Version: Not Supplied<br>Location: Abstraction From Points 'K' - Ty Mawr Res And 'L' - Cae Llwyd Res, Ty Mawr Reservoir, Cae Llwyd Reservoir, Ll14 1uj<br>Authority: Natural Resources Wales<br>Abstraction: Public Water Supply: Potable Water Supply - Direct<br>Abstraction Type: Water may be abstracted from any point within an area<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: Not Supplied<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | (W) | 1693 | 2 | 327670 347931 |
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Superficial Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: <90%<br>Superficial Thickness: 3-10m<br>Superficial Recharge: Low | (N) | 0 | 2 | 329551 350000 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Superficial Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: >90%<br>Superficial Thickness: 3-10m<br>Superficial Recharge: High | (N) | 0 | 2 | 330000<br>350000 |
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Superficial Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: >90%<br>Superficial Thickness: 3-10m<br>Superficial Recharge: High | (NE) | 0 | 2 | 330340<br>350348 |
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Superficial Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: <90%<br>Superficial Thickness: >10m<br>Superficial Recharge: Low | A12NW (NE) | 0 | 2 | 330189<br>349000 |
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Superficial Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: <90%<br>Superficial Thickness: >10m<br>Superficial Recharge: Low | (NE) | 0 | 2 | 331000<br>349528 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Superficial Aquifer - High Vulnerability<br>Combined Vulnerability: High<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: High<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: >70%<br>Superficial Patchiness: >90%<br>Superficial Thickness: >10m<br>Superficial Recharge: High | A12NW (NE) | 0 | 2 | 330041 348799 |
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability<br>Combined Vulnerability: Medium<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: Intermediate<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: >90%<br>Superficial Thickness: >10m<br>Superficial Recharge: Low | A11SE (E) | 0 | 2 | 329551 348488 |
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability<br>Combined Vulnerability: Medium<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: Intermediate<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: >90%<br>Superficial Thickness: >10m<br>Superficial Recharge: Low | A11NE (N) | 0 | 2 | 329642 348810 |
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Superficial Aquifer - High Vulnerability<br>Combined Vulnerability: High<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: High<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: >70%<br>Superficial Patchiness: >90%<br>Superficial Thickness: >10m<br>Superficial Recharge: High | A12NE (NE) | 0 | 2 | 330414 348869 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Superficial Aquifer - High Vulnerability<br>Combined Vulnerability: High<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: High<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: >70%<br>Superficial Patchiness: >90%<br>Superficial Thickness: >10m<br>Superficial Recharge: High | A12SW (E) | 0 | 2 | 330000 348488 |
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Superficial Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: <90%<br>Superficial Thickness: 3-10m<br>Superficial Recharge: Low | A11NE (N) | 0 | 2 | 329551 349000 |
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Superficial Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: <90%<br>Superficial Thickness: 3-10m<br>Superficial Recharge: Low | A15NE (N) | 0 | 2 | 329695 349481 |
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Superficial Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: <90%<br>Superficial Thickness: >10m<br>Superficial Recharge: Low | A12NE (NE) | 0 | 2 | 330418 349000 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Superficial Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: <90%<br>Superficial Thickness: >10m<br>Superficial Recharge: Low | A12NW (NE) | 0 | 2 | 330000 349000 |
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Superficial Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: <90%<br>Superficial Thickness: >10m<br>Superficial Recharge: Low | A16NW (NE) | 0 | 2 | 330000 349539 |
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Superficial Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: <90%<br>Superficial Thickness: >10m<br>Superficial Recharge: Low | A16NW (NE) | 0 | 2 | 330120 349565 |
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Superficial Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: >90%<br>Superficial Thickness: 3-10m<br>Superficial Recharge: High | (NE) | 0 | 2 | 330927 350000 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Superficial Aquifer - High Vulnerability<br>Combined Vulnerability: High<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: High<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: >70%<br>Superficial Patchiness: <90%<br>Superficial Thickness: >10m<br>Superficial Recharge: High | (NE) | 0 | 2 | 331000<br>350000 |
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Bedrock Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: >90%<br>Superficial Thickness: 3-10m<br>Superficial Recharge: High | (N) | 0 | 2 | 330123<br>350000 |
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Bedrock Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: >90%<br>Superficial Thickness: 3-10m<br>Superficial Recharge: High | (N) | 0 | 2 | 330184<br>350104 |
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Bedrock Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: >90%<br>Superficial Thickness: 3-10m<br>Superficial Recharge: High | (NE) | 0 | 2 | 330405<br>350000 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Bedrock Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: <90%<br>Superficial Thickness: 3-10m<br>Superficial Recharge: Low | A15SE (N) | 0 | 2 | 329641 349314 |
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Bedrock Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: <90%<br>Superficial Thickness: >10m<br>Superficial Recharge: Low | A16SW (NE) | 0 | 2 | 330000 349381 |
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Bedrock Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: <90%<br>Superficial Thickness: >10m<br>Superficial Recharge: Low | A16NW (NE) | 0 | 2 | 330073 349741 |
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Bedrock Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: <90%<br>Superficial Thickness: >10m<br>Superficial Recharge: Low | A16NE (NE) | 0 | 2 | 330355 349671 |
| | **Bedrock Aquifer Designations**<br>Aquifer Designation: Secondary Aquifer - A | A11SE (E) | 0 | 2 | 329551 348488 |
| | **Bedrock Aquifer Designations**<br>Aquifer Designation: Secondary Aquifer - A | (N) | 0 | 2 | 330000 350000 |
| | **Bedrock Aquifer Designations**<br>Aquifer Designation: Secondary Aquifer - A | (N) | 0 | 2 | 329551 350000 |
| | **Bedrock Aquifer Designations**<br>Aquifer Designation: Secondary Aquifer - A | A12SW (E) | 0 | 2 | 330000 348488 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Superficial Aquifer Designations**<br>Aquifer Designation: Secondary Aquifer - A | (NE) | 0 | 2 | 330340<br>350348 |
| | **Superficial Aquifer Designations**<br>Aquifer Designation: Secondary Aquifer - A | (NE) | 0 | 2 | 330927<br>350000 |
| | **Superficial Aquifer Designations**<br>Aquifer Designation: Secondary Aquifer - Undifferentiated | (N) | 0 | 2 | 330000<br>350000 |
| | **Superficial Aquifer Designations**<br>Aquifer Designation: Secondary Aquifer - Undifferentiated | A16NW (NE) | 0 | 2 | 330000<br>349539 |
| | **Superficial Aquifer Designations**<br>Aquifer Designation: Secondary Aquifer - Undifferentiated | A12SW (E) | 0 | 2 | 330000<br>348488 |
| | **Superficial Aquifer Designations**<br>Aquifer Designation: Secondary Aquifer - Undifferentiated | (N) | 0 | 2 | 329551<br>350000 |
| | **Superficial Aquifer Designations**<br>Aquifer Designation: Secondary Aquifer - A | A16NW (NE) | 0 | 2 | 330120<br>349565 |
| | **Superficial Aquifer Designations**<br>Aquifer Designation: Secondary Aquifer - A | A12NW (NE) | 0 | 2 | 330041<br>348799 |
| | **Superficial Aquifer Designations**<br>Aquifer Designation: Secondary Aquifer - Undifferentiated | A12NE (NE) | 0 | 2 | 330414<br>348869 |
| | **Superficial Aquifer Designations**<br>Aquifer Designation: Secondary Aquifer - Undifferentiated | A15NE (N) | 0 | 2 | 329695<br>349481 |
| | **Superficial Aquifer Designations**<br>Aquifer Designation: Secondary Aquifer - Undifferentiated | A11SE (E) | 0 | 2 | 329551<br>348488 |
| | **Superficial Aquifer Designations**<br>Aquifer Designation: Secondary Aquifer - A | A11NE (N) | 0 | 2 | 329642<br>348810 |
| 15 | **Source Protection Zones**<br>Name: Not Supplied<br>Source: Natural Resources Wales<br>Reference: Not Supplied<br>Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source. | A6SE (SW) | 374 | 2 | 329128<br>347905 |
| 16 | **Source Protection Zones**<br>Name: Not Supplied<br>Source: Natural Resources Wales<br>Reference: Not Supplied<br>Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source. | A2NE (SW) | 588 | 2 | 328989<br>347741 |
| | **Extreme Flooding from Rivers or Sea without Defences**<br>Type: Extent of Extreme Flooding from Rivers or Sea without Defences<br>Flood Plain Type: Fluvial Models<br>Boundary Accuracy: As Supplied | A7NE (SE) | 0 | 2 | 329765<br>348325 |
| | **Extreme Flooding from Rivers or Sea without Defences**<br>Type: Extent of Extreme Flooding from Rivers or Sea without Defences<br>Flood Plain Type: Fluvial Models<br>Boundary Accuracy: As Supplied | A15SE (N) | 0 | 2 | 329700<br>349445 |
| | **Flooding from Rivers or Sea without Defences**<br>Type: Extent of Flooding from Rivers or Sea without Defences<br>Flood Plain Type: Fluvial Models<br>Boundary Accuracy: As Supplied | A7NE (SE) | 0 | 2 | 329770<br>348315 |
| | **Flooding from Rivers or Sea without Defences**<br>Type: Extent of Flooding from Rivers or Sea without Defences<br>Flood Plain Type: Fluvial Models<br>Boundary Accuracy: As Supplied | A11NE (NE) | 0 | 2 | 329690<br>348810 |
| | **Areas Benefiting from Flood Defences**<br>None | | | | |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Flood Water Storage Areas**<br>None | | | | |
| | **Flood Defences**<br>None | | | | |
| 17 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 1051.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A11NE (NE) | 0 | 5 | 329802 348831 |
| 18 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 361.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A16SE (NE) | 0 | 5 | 330544 349440 |
| 19 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 540.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A8NW (SE) | 0 | 5 | 329873 348319 |
| 20 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 9.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 2 | A16SE (NE) | 0 | 5 | 330416 349373 |
| 21 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 179.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Afon Clywedog<br>Catchment Name: Dee<br>Primacy: 1 | A16SE (NE) | 0 | 5 | 330481 349265 |
| 22 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 116.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 2 | A16SE (NE) | 0 | 5 | 330424 349376 |
| 23 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 4.5<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 2 | A16SE (NE) | 0 | 5 | 330524 349319 |
| 24 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 200.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A16SW (N) | 3 | 5 | 329874 349365 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 25 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 279.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Afon Clywedog<br>Catchment Name: Dee<br>Primacy: 1 | A16SE (NE) | 4 | 5 | 330258 349380 |
| 26 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 144.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A11NE (N) | 5 | 5 | 329679 348817 |
| 27 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 40.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A16SW (NE) | 5 | 5 | 330059 349436 |
| 28 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 81.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 2 | A16SE (NE) | 5 | 5 | 330528 349317 |
| 29 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 228.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 2 | A15NE (N) | 6 | 5 | 329849 349499 |
| 30 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 76.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Afon Clywedog<br>Catchment Name: Dee<br>Primacy: 1 | A16SE (NE) | 6 | 5 | 330528 349244 |
| 31 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 97.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 2 | A16SE (NE) | 9 | 5 | 330528 349244 |
| 32 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 3.7<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A11NE (NE) | 15 | 5 | 329798 348831 |
| 33 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 120.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A16NW (NE) | 15 | 5 | 330186 349481 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 34 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 119.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Afon Clywedog<br>Catchment Name: Dee<br>Primacy: 1 | A16NW (NE) | 21 | 5 | 330079 349458 |
| 35 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 17.6<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A16NW (NE) | 21 | 5 | 330181 349464 |
| 36 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 110.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A7NE (S) | 23 | 5 | 329556 348253 |
| 37 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 272.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Afon Clywedog<br>Catchment Name: Dee<br>Primacy: 1 | A15NE (N) | 31 | 5 | 329846 349504 |
| 38 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 278.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Pentrebychan Brook<br>Catchment Name: Dee<br>Primacy: 1 | A7NW (S) | 46 | 5 | 329413 348144 |
| 39 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 8.4<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Pentrebychan Brook<br>Catchment Name: Dee<br>Primacy: 1 | A7NW (SW) | 65 | 5 | 329277 348195 |
| 40 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 809.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Pentrebychan Brook<br>Catchment Name: Dee<br>Primacy: 1 | A7NW (SW) | 71 | 5 | 329270 348199 |
| 41 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 131.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A7SW (S) | 93 | 5 | 329463 348102 |
| 42 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 439.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Pentrebychan Brook<br>Catchment Name: Dee<br>Primacy: 1 | A7SW (S) | 93 | 5 | 329463 348102 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 43 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 401.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A11NE (N) | 107 | 5 | 329661 348825 |
| 44 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 10.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A11NE (N) | 107 | 5 | 329656 348816 |
| 45 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 74.6<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A8NE (E) | 107 | 5 | 330365 348284 |
| 46 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 8.8<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A11NE (N) | 112 | 5 | 329649 348810 |
| 47 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 220.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A11SW (N) | 119 | 5 | 329525 348768 |
| 48 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 69.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Afon Clywedog<br>Catchment Name: Dee<br>Primacy: 1 | A15NE (N) | 141 | 5 | 329778 349492 |
| 49 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 5.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 2 | A15NE (N) | 141 | 5 | 329849 349499 |
| 50 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 2.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A7SW (SW) | 165 | 5 | 329324 348049 |
| 51 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 15.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A7SW (SW) | 165 | 5 | 329334 348048 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 52 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 11.4<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A7SW (SW) | 165 | 5 | 329347 348049 |
| 53 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 238.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A7SW (SW) | 165 | 5 | 329324 348049 |
| 54 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 50.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A8NE (E) | 168 | 5 | 330420 348233 |
| 55 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 45.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A7SW (SW) | 170 | 5 | 329337 348044 |
| 56 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 185.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A11NW (N) | 181 | 5 | 329453 348784 |
| 57 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 53.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A8NE (E) | 193 | 5 | 330394 348202 |
| 58 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 512.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Afon Clywedog<br>Catchment Name: Dee<br>Primacy: 1 | A15SE (N) | 203 | 5 | 329693 349455 |
| 59 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 51.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A15NE (N) | 203 | 5 | 329760 349491 |
| 60 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 321.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A15NE (N) | 210 | 5 | 329743 349541 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 61 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 17.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A15NE (N) | 216 | 5 | 329747 349524 |
| 62 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 4.1<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A15NE (N) | 217 | 5 | 329749 349520 |
| 63 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 335.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A8NE (E) | 217 | 5 | 330427 348184 |
| 64 | **OS Water Network Lines**<br>Watercourse Form: Lake<br>Watercourse Length: 49.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A7SE (SE) | 301 | 5 | 329824 347933 |
| 65 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 324.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A11SW (NW) | 309 | 5 | 329253 348679 |
| 66 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 97.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A11SW (NW) | 309 | 5 | 329286 348746 |
| 67 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 36.0<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A6SE (SW) | 310 | 5 | 329117 347997 |
| 68 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 269.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Pentrebychan Brook<br>Catchment Name: Dee<br>Primacy: 1 | A7SE (SE) | 336 | 5 | 329826 347897 |
| 69 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 143.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A6SE (SW) | 344 | 5 | 329095 347971 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 70 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 577.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A7SW (S) | 388 | 5 | 329428 347807 |
| 71 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 1.5<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A10SE (NW) | 401 | 5 | 329193 348751 |
| 72 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 51.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A10SE (NW) | 402 | 5 | 329191 348751 |
| 73 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 6.3<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A7SW (S) | 415 | 5 | 329378 347791 |
| 74 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 173.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A7SW (S) | 418 | 5 | 329371 347790 |
| 75 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 428.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A11NW (N) | 421 | 5 | 329458 349106 |
| 76 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 517.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A11NW (N) | 421 | 5 | 329464 349111 |
| 77 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 150.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A10SE (W) | 432 | 5 | 329053 348559 |
| 78 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 137.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A10SE (W) | 432 | 5 | 329053 348559 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 79 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 40.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Afon Clywedog<br>Catchment Name: Dee<br>Primacy: 2 | A15NW (N) | 450 | 5 | 329458 349720 |
| 80 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 35.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Afon Clywedog<br>Catchment Name: Dee<br>Primacy: 1 | A15NW (N) | 450 | 5 | 329458 349720 |
| 81 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 5.5<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A10SE (NW) | 452 | 5 | 329143 348762 |
| 82 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 339.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A10SE (NW) | 457 | 5 | 329138 348764 |
| 83 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 81.5<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A6SE (SW) | 460 | 5 | 328954 347962 |
| 84 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 586.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Afon Clywedog<br>Catchment Name: Dee<br>Primacy: 1 | A15NW (N) | 470 | 5 | 329391 349736 |
| 85 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 140.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A6SE (SW) | 480 | 5 | 329019 347856 |
| 86 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 188.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Pentrebychan Brook<br>Catchment Name: Dee<br>Primacy: 1 | A8SW (SE) | 502 | 5 | 330001 347776 |
| 87 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 114.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A4NW (SE) | 514 | 5 | 329967 347753 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 88 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 72.2<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A3NW (SW) | 516 | 5 | 329224 347710 |
| 89 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 42.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A3NW (SW) | 516 | 5 | 329224 347710 |
| 90 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 57.2<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A2NE (SW) | 535 | 5 | 329182 347702 |
| 91 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 599.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A4NW (S) | 542 | 5 | 329873 347695 |
| 92 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 245.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A6SE (SW) | 542 | 5 | 328888 347915 |
| 93 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 466.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Pentrebychan Brook<br>Catchment Name: Dee<br>Primacy: 1 | A4NW (SE) | 544 | 5 | 330139 347733 |
| 94 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 111.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A2NE (SW) | 555 | 5 | 329106 347710 |
| 95 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 23.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A2NE (SW) | 555 | 5 | 329107 347710 |
| 96 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 12.0<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A10SE (W) | 568 | 5 | 328949 348648 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
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| 97 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 248.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A10SE (W) | 579 | 5 | 328940 348656 |
| 98 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 10.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A2NE (SW) | 584 | 5 | 329182 347651 |
| 99 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 536.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A2NE (SW) | 594 | 5 | 329180 347642 |
| 100 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 265.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A2NE (SW) | 594 | 5 | 329180 347642 |
| 101 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 279.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Glanyrafon Brook<br>Catchment Name: Dee<br>Primacy: 1 | A4NE (SE) | 618 | 5 | 330530 347721 |
| 102 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 391.8<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A10NE (NW) | 756 | 5 | 328887 348954 |
| 103 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 306.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A6SW (SW) | 756 | 5 | 328680 347844 |
| 104 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 194.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A6SW (SW) | 756 | 5 | 328680 347844 |
| 105 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 150.9<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A10SW (W) | 757 | 5 | 328593 348456 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 106 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 1.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Pentrebychan Brook<br>Catchment Name: Dee<br>Primacy: 1 | A6NW (W) | 757 | 5 | 328588 348305 |
| 107 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 39.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Pentrebychan Brook<br>Catchment Name: Dee<br>Primacy: 1 | A6NW (W) | 759 | 5 | 328586 348305 |
| 108 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 53.1<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A6NW (W) | 759 | 5 | 328586 348305 |
| 109 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 78.3<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A10SW (W) | 767 | 5 | 328704 348691 |
| 110 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 336.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A10SW (W) | 767 | 5 | 328692 348643 |
| 111 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 56.2<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A3SW (S) | 779 | 5 | 329440 347408 |
| 112 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 86.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A10SW (W) | 782 | 5 | 328593 348456 |
| 113 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 6.6<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A14SE (NW) | 785 | 5 | 329108 349283 |
| 114 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 141.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A14SE (NW) | 791 | 5 | 329102 349285 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
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| 115 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 169.0<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A10SW (W) | 794 | 5 | 328710 348719 |
| 116 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 79.4<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A14SE (N) | 795 | 5 | 329167 349442 |
| 117 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 4.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Pentrebychan Brook<br>Catchment Name: Dee<br>Primacy: 1 | A6NW (W) | 795 | 5 | 328551 348309 |
| 118 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 592.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Pentrebychan Brook<br>Catchment Name: Dee<br>Primacy: 1 | A6NW (W) | 799 | 5 | 328547 348312 |
| 119 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 141.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A6NW (W) | 802 | 5 | 328548 348341 |
| 120 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 42.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A14NE (NW) | 806 | 5 | 329009 349700 |
| 121 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 26.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A14NE (NW) | 817 | 5 | 329006 349674 |
| 122 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 296.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A3SW (S) | 817 | 5 | 329265 347400 |
| 123 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 277.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A3SW (S) | 828 | 5 | 329406 347363 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 124 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 80.8<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A14NE (NW) | 836 | 5 | 329044 349603 |
| 125 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 148.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A14NE (NW) | 855 | 5 | 329093 349472 |
| 126 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 61.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A14SE (NW) | 890 | 5 | 328969 349302 |
| 127 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 302.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A14SE (NW) | 890 | 5 | 328969 349302 |
| 128 | **OS Water Network Lines**<br>Watercourse Form: Lake<br>Watercourse Length: 11.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A2NW (SW) | 895 | 5 | 328598 347713 |
| 129 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 180.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A2NW (SW) | 906 | 5 | 328590 347705 |
| 130 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 4.9<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A14SE (NW) | 936 | 5 | 328966 349361 |
| 131 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 386.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A14SE (NW) | 939 | 5 | 328967 349366 |
| 132 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 64.2<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A5NE (W) | 940 | 5 | 328414 348384 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 133 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 176.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | A10NW (W) | 954 | 5 | 328621 348862 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 134 | **Historical Landfill Sites**<br>Licence Holder: Not Supplied<br>Location: Llwyneinion<br>Name: Llwyneinion Old Refuse Tip No.2<br>Operator Location: Not Supplied<br>Boundary Accuracy: As Supplied<br>Provider Reference: EAHLD14255<br>First Input Date: 31st December 1939<br>Last Input Date: 31st December 1961<br>Specified Waste Type: Deposited Waste included Commercial and Household Waste<br>EA Waste Ref: 0<br>Regis Ref: Not Supplied<br>WRC Ref: 6955/0039<br>BGS Ref: Not Supplied<br>Other Ref: Not Supplied | A6SE (SW) | 451 | 2 | 328965 347962 |
| 135 | **Historical Landfill Sites**<br>Licence Holder: Not Supplied<br>Location: Llwyneinion<br>Name: Llwyneinion Old Refuse Tip No.1<br>Operator Location: Not Supplied<br>Boundary Accuracy: As Supplied<br>Provider Reference: EAHLD14252<br>First Input Date: 31st December 1920<br>Last Input Date: 31st December 1940<br>Specified Waste Type: Deposited Waste included Inert, Industrial, Commercial, Household and Special Waste<br>EA Waste Ref: 0<br>Regis Ref: Not Supplied<br>WRC Ref: 6955/0038<br>BGS Ref: Not Supplied<br>Other Ref: Not Supplied | A2NE (SW) | 639 | 2 | 329040 347650 |
| 136 | **Historical Landfill Sites**<br>Licence Holder: Clwyd County Council<br>Location: Cae Dwr<br>Name: Monsanto Chemical Tip<br>Operator Location: Not Supplied<br>Boundary Accuracy: As Supplied<br>Provider Reference: EAHLD14253<br>First Input Date: 31st December 1964<br>Last Input Date: 31st December 1985<br>Specified Waste Type: Deposited Waste included Special Waste<br>EA Waste Ref: 0<br>Regis Ref: Not Supplied<br>WRC Ref: 6955/0042<br>BGS Ref: Not Supplied<br>Other Ref: Not Supplied | A2NW (SW) | 764 | 2 | 328799 347674 |
| 137 | **Historical Landfill Sites**<br>Licence Holder: Clwyd County Council<br>Location: Cae Dwr<br>Name: Cae Dwr Brickworks<br>Operator Location: Not Supplied<br>Boundary Accuracy: As Supplied<br>Provider Reference: EAHLD14246<br>First Input Date: 1st June 1980<br>Last Input Date: 31st December 1985<br>Specified Waste Type: Deposited Waste included Industrial, Commercial and Household Waste<br>EA Waste Ref: 0<br>Regis Ref: Not Supplied<br>WRC Ref: 6955/0015<br>BGS Ref: Not Supplied<br>Other Ref: Not Supplied | A2NE (SW) | 801 | 2 | 328878 347558 |
| 138 | **Historical Landfill Sites**<br>Licence Holder: Llwyneinion Shale Brick Company<br>Location: Llwyneinion<br>Name: Llwyneinion Acid Tar Lagoon<br>Operator Location: Not Supplied<br>Boundary Accuracy: As Supplied<br>Provider Reference: EAHLD14254<br>First Input Date: 1st June 1961<br>Last Input Date: 1st March 1972<br>Specified Waste Type: Deposited Waste included Industrial and Special Waste, and Liquid Sludge<br>EA Waste Ref: 0<br>Regis Ref: Not Supplied<br>WRC Ref: 6955/0040<br>BGS Ref: Not Supplied<br>Other Ref: Not Supplied | A2NE (SW) | 893 | 2 | 328879 347448 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 139 | **Historical Landfill Sites**<br>Licence Holder: Not Supplied<br>Location: Cae Dwr<br>Name: Railway Cutting Fill<br>Operator Location: Not Supplied<br>Boundary Accuracy: As Supplied<br>Provider Reference: EAHLD14259<br>First Input Date: 31st December 1984<br>Last Input Date: 31st December 1985<br>Specified Waste Type: Deposited Waste included Industrial and Special Waste<br>EA Waste Ref: 0<br>Regis Ref: Not Supplied<br>WRC Ref: 6955/0048<br>BGS Ref: Not Supplied<br>Other Ref: Not Supplied | A2SE (SW) | 980 | 2 | 328935 347321 |
| 140 | **Licensed Waste Management Facilities (Locations)**<br>Licence Number: EP3094FG<br>Location: Legacy Car Dismantlers, Esclusham Mill, Llwyneinon Road, Legacy, Wrexham, Clwyd, Wrexham, LL14 4ET<br>Operator Name: David Ithel Kelly<br>Operator Location: Not Supplied<br>Authority: Natural Resources Wales<br>Site Category: Metal Recycling Sites (Vehicle Dismantlers)<br>**Licence Status: Effective**<br>Issued: 16th June 1998<br>Last Modified: Not Supplied<br>Expires: Not Supplied<br>Suspended: Not Supplied<br>Revoked: Not Supplied<br>Surrendered: Not Supplied<br>IPPC Reference: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A2NE (SW) | 681 | 2 | 328888 347704 |
| 140 | **Licensed Waste Management Facilities (Locations)**<br>Licence Number: 37154<br>Location: Esclusham Mill, Llwyneinon Road, Legacy, Wrexham, LL14 4ET<br>Operator Name: Kelly David Ithel<br>Operator Location: Not Supplied<br>Authority: Natural Resources Wales<br>Site Category: Metal Recycling Sites (Vehicle Dismantlers)<br>**Licence Status: Modified**<br>Issued: 16th June 1998<br>Last Modified: 15th March 2005<br>Expires: Not Supplied<br>Suspended: Not Supplied<br>Revoked: Not Supplied<br>Surrendered: Not Supplied<br>IPPC Reference: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A2NE (SW) | 681 | 2 | 328888 347704 |
| | **Local Authority Landfill Coverage**<br>Name: Wrexham County Borough Council - Has supplied landfill data | | 0 | 6 | 329551 348488 |
| 141 | **Local Authority Recorded Landfill Sites**<br>Location: Llwyneinion Old Refuse Tip 2, Llwyneinion, Wrexham<br>Reference: 6955/0039<br>Authority: Wrexham County Borough Council<br>**Last Reported Status: Closed**<br>Types of Waste: Not Supplied<br>Date of Closure: Not Supplied<br>Positional Accuracy: Positioned by the supplier<br>Boundary Quality: Good | A6SE (SW) | 450 | 6 | 328964 347965 |
| 142 | **Local Authority Recorded Landfill Sites**<br>Location: Llwyneinion Old Refuse Tip 1, Llwyneinion, Wrexham<br>Reference: 6955/0038<br>Authority: Wrexham County Borough Council<br>**Last Reported Status: Closed**<br>Types of Waste: Not Supplied<br>Date of Closure: Not Supplied<br>Positional Accuracy: Positioned by the supplier<br>Boundary Quality: Good | A2NE (SW) | 639 | 6 | 329039 347650 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
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| 143 | **Local Authority Recorded Landfill Sites**<br>Location: Monsanto Chemical Tip, Cae Dwr, Llwyneinion<br>Reference: 6955/0042<br>Authority: Wrexham County Borough Council<br>**Last Reported Status:** **Closed**<br>Types of Waste: Not Supplied<br>Date of Closure: Not Supplied<br>Positional Accuracy: Positioned by the supplier<br>Boundary Quality: Good | A2NW (SW) | 761 | 6 | 328794 347683 |
| 144 | **Local Authority Recorded Landfill Sites**<br>Location: Cae Dwr Brickworks, Llwyneinion, Wrexham<br>Reference: 6955/0015<br>Authority: Wrexham County Borough Council<br>**Last Reported Status:** **Closed**<br>Types of Waste: Not Supplied<br>Date of Closure: Not Supplied<br>Positional Accuracy: Positioned by the supplier<br>Boundary Quality: Good | A2NE (SW) | 788 | 6 | 328877 347576 |
| 145 | **Local Authority Recorded Landfill Sites**<br>Location: Llwyneinion Acid Tar Lagoon, Lwyneinion, Wrexham<br>Reference: 6955/0040<br>Authority: Wrexham County Borough Council<br>**Last Reported Status:** **Closed**<br>Types of Waste: Not Supplied<br>Date of Closure: Not Supplied<br>Positional Accuracy: Positioned by the supplier<br>Boundary Quality: Good | A2NE (SW) | 898 | 6 | 328865 347450 |
| 146 | **Local Authority Recorded Landfill Sites**<br>Location: Railway Cutting Fill, Cae Dwr, Llwyneinion, Wrexham<br>Reference: 6955/0048<br>Authority: Wrexham County Borough Council<br>**Last Reported Status:** **Closed**<br>Types of Waste: Not Supplied<br>Date of Closure: Not Supplied<br>Positional Accuracy: Positioned by the supplier<br>Boundary Quality: Good | A2SE (SW) | 968 | 6 | 328933 347334 |
| 147 | **Registered Waste Treatment or Disposal Sites**<br>Licence Holder: D I Kelly - Legacy Car Dismantlers<br>Licence Reference: NOW-526-L<br>Site Location: Esclusham Mill, Llwyneinion Road, Legacy, WREXHAM, Clwyd, LL14 4ET<br>Operator Location: Bluebell Cottage, Pandy, WREXHAM, Clwyd, LL12 8EE<br>Authority: Environment Agency Wales, North Area<br>Site Category: Scrapyard<br>Max Input Rate: Very Small (Less than 10,000 tonnes per year)<br>Waste Source Restrictions: No known restriction on source of waste<br>Licence Status: Operational as far as is knownOperational<br>Dated: 16th June 1998<br>Preceded By Licence: L77<br>Superseded By Licence: Not Given<br>Positional Accuracy: Located by supplier to within 100m<br>Boundary Quality: Not Supplied<br>Authorised Waste: Engines Max.Stor; Lead/Acid Batteries Max.Stor; Max.Waste Permitted By Licence; Oil/Brakefluid/Antifr' Ex Veh Max.Stor; Scrap Vehicles Max.Stor; Transmission Units Max.Stor; Tyres On Vehicles Max.Stor; Tyres Removed From Vehicles Max.Stor<br>Prohibited Waste: Spec.Waste (Epa'90:S62/1996 Regs)N.O.S; Waste N.O.S. | A2NE (SW) | 689 | 4 | 328880 347700 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
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| 147 | **Registered Waste Treatment or Disposal Sites**<br>Licence Holder: D I Kelly<br>Licence Reference: L77<br>Site Location: Esclusham Mill, Llwyneinion Road, Legacy, WREXHAM, Clwyd, LL14 4ET<br>Operator Location: Bluebell Cottage, Pandy, WREXHAM, Clwyd, LL12 8EE<br>Authority: Environment Agency Wales, North Area<br>Site Category: Scrapyard<br>Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year)<br>Waste Source Restrictions: No known restriction on source of waste<br>Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled<br>Dated: 1st March 1994<br>Preceded By Licence: Not Given<br>Superseded By Licence: Now-526-L<br>Positional Accuracy: Located by supplier to within 100m<br>Boundary Quality: Not Supplied<br>Authorised Waste: Batteries/Acid Contained Therein M.St.<br>Brake/Clutch Fluid Max.Stor.<br>Coolant Sol.(Water/Ethylene Glycol Mix<br>Engines Max.Stor.<br>Gearboxes/Transm.Units Max.Stor.<br>Mineral Oils - Hub Oils Max.Stor.<br>Scrap Vehicles Max.Stor.<br>Tyres (Left On Cars)<br>Prohibited Waste: Cadmium Compounds<br>Elemental Sodium/Potassium<br>Fuel Oil, Incl Diesel<br>Liable To Cause Environmental Hazards<br>Liquified Gas / Gas Under Pressure<br>Mercury Compounds<br>Percussive/Explosive/Similar Waste<br>Petrol<br>Powder / Powdered Waste<br>Special Wastes N.O.S.<br>Sub'S Control. Radioactive Subs Act'60<br>Waste In Drums<br>Waste N.O.S.<br>Water Soluble Waste | A2NE (SW) | 689 | 4 | 328880 347700 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
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| | **BGS 1:625,000 Solid Geology**<br>Description: Pennine Middle Coal Measures Formation And South Wales Middle Coal Measures Formation (Undifferentiated) | A11SE (E) | 0 | 1 | 329551 348488 |
| | **BGS 1:625,000 Solid Geology**<br>Description: Pennine Lower Coal Measures Formation And South Wales Lower Coal Measures Formation (Undifferentiated) | A11SW (W) | 0 | 1 | 329418 348484 |
| | **BGS 1:625,000 Solid Geology**<br>Description: Warwickshire Group | A8NE (E) | 0 | 1 | 330215 348242 |
| 148 | **BGS Recorded Mineral Sites**<br>Site Name: Talwrn Lodge<br>Location: Bersham, Wrexham, Denbighshire<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 184992<br>Type: Underground<br>**Status: Ceased**<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Not Available<br>Geology: !<br>Commodity: Lead<br>Positional Accuracy: Located by supplier to within 10m | A7NE (S) | 20 | 1 | 329628 348239 |
| 149 | **BGS Recorded Mineral Sites**<br>Site Name: Talwrn Pumping Station<br>Location: Rhosllanerchrugog, Wrexham, Denbighshire<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 184993<br>Type: Underground<br>**Status: Ceased**<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated)<br>Commodity: Coal - Deep<br>Positional Accuracy: Located by supplier to within 10m | A6SW (SW) | 676 | 1 | 328784 347829 |
| 150 | **BGS Recorded Mineral Sites**<br>Site Name: Llwyn Ennion<br>Location: Rhosllanerchrugog, Wrexham, Denbighshire<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 185629<br>Type: Underground<br>**Status: Ceased**<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated)<br>Commodity: Coal - Deep<br>Positional Accuracy: Located by supplier to within 10m | A2NE (SW) | 776 | 1 | 329103 347474 |
| 151 | **BGS Recorded Mineral Sites**<br>Site Name: Talwrn Pumping Station<br>Location: Rhosllanerchrugog, Wrexham, Denbighshire<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 184995<br>Type: Underground<br>**Status: Ceased**<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated)<br>Commodity: Coal - Deep<br>Positional Accuracy: Located by supplier to within 10m | A2NW (SW) | 797 | 1 | 328735 347694 |
| 152 | **BGS Recorded Mineral Sites**<br>Site Name: Bryn-Yr-Owen Colliery<br>Location: Rhosllanerchrugog, Wrexham, Denbighshire<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 185630<br>Type: Underground<br>**Status: Ceased**<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: Cefn Rock<br>Commodity: Coal - Deep<br>Positional Accuracy: Located by supplier to within 10m | A4NE (SE) | 838 | 1 | 330274 347466 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 152 | **BGS Recorded Mineral Sites**<br>Site Name: Bryn-Yr-Owen Colliery<br>Location: Rhosllanerchrugog, Wrexham, Denbighshire<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 185631<br>Type: Underground<br>**Status: Ceased**<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: Cefn Rock<br>Commodity: Coal - Deep<br>Positional Accuracy: Located by supplier to within 10m | A4NE (SE) | 867 | 1 | 330267 347435 |
| 153 | **BGS Recorded Mineral Sites**<br>Site Name: Talwrn Pumping Station<br>Location: Rhosllanerchrugog, Wrexham, Denbighshire<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 184994<br>Type: Underground<br>**Status: Ceased**<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated)<br>Commodity: Coal - Deep<br>Positional Accuracy: Located by supplier to within 10m | A2NW (SW) | 840 | 1 | 328721 347645 |
| 154 | **BGS Recorded Mineral Sites**<br>Site Name: Llwyn Ennion<br>Location: Rhosllanerchrugog, Wrexham, Denbighshire<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 185658<br>Type: Underground<br>**Status: Ceased**<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated)<br>Commodity: Coal - Deep<br>Positional Accuracy: Located by supplier to within 10m | A2NE (SW) | 863 | 1 | 328901 347470 |
| 155 | **BGS Recorded Mineral Sites**<br>Site Name: Llwyn Ennion<br>Location: Rhosllanerchrugog, Wrexham, Denbighshire<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 185657<br>Type: Underground<br>**Status: Ceased**<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated)<br>Commodity: Coal - Deep<br>Positional Accuracy: Located by supplier to within 10m | A2NW (SW) | 887 | 1 | 328771 347532 |
| 156 | **BGS Recorded Mineral Sites**<br>Site Name: Bryn-Yr-Owen Colliery<br>Location: Ponciau, Rhosllanerchrugog, Denbighshire<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 19332<br>Type: Underground<br>**Status: Ceased**<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: Pennine Lower Coal Measures Formation<br>Commodity: Coal - Deep<br>Positional Accuracy: Located by supplier to within 10m | A3SE (S) | 922 | 1 | 329870 347300 |

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| 157 | **BGS Recorded Mineral Sites**<br>Site Name: Llwyn Ennion<br>Location: Rhosllanerchrugog, Wrexham, Denbighshire<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 185659<br>Type: Underground<br>**Status: Ceased**<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated)<br>Commodity: Coal - Deep<br>Positional Accuracy: Located by supplier to within 10m | A2SE (SW) | 940 | 1 | 328887 347389 |
| 158 | **BGS Recorded Mineral Sites**<br>Site Name: Llwyneinion Brick Works<br>Location: Llwyneinion, Rhosllanchrugog, Wrexham, Clwyd<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 14099<br>Type: Opencast<br>**Status: Ceased**<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: Pennine Lower Coal Measures Formation<br>Commodity: Common Clay and Shale<br>Positional Accuracy: Located by supplier to within 10m | A2SW (SW) | 946 | 1 | 328810 347430 |
| 159 | **BGS Recorded Mineral Sites**<br>Site Name: Bryn-Yr-Owen Colliery<br>Location: Rhosllanerchrugog, Wrexham, Denbighshire<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 185800<br>Type: Underground<br>**Status: Ceased**<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: Cefn Rock<br>Commodity: Coal - Deep<br>Positional Accuracy: Located by supplier to within 10m | A4SW (S) | 993 | 1 | 330026 347271 |
| | **Coal Mining Affected Areas**<br>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. | A11SE (E) | 0 | 7 | 329551 348488 |
| | **Mining Instability**<br>Mining Evidence: Inconclusive Coal Mining<br>Source: Ove Arup & Partners<br>Boundary Quality: As Supplied | A11SE (E) | 0 | - | 329551 348488 |
| | **Non Coal Mining Areas of Great Britain**<br>Risk: Highly Unlikely<br>Source: British Geological Survey, National Geoscience Information Service | A12SW (E) | 0 | 1 | 330000 348488 |
| | **Non Coal Mining Areas of Great Britain**<br>Risk: Highly Unlikely<br>Source: British Geological Survey, National Geoscience Information Service | A11SE (E) | 0 | 1 | 329551 348488 |
| | **Non Coal Mining Areas of Great Britain**<br>Risk: Rare<br>Source: British Geological Survey, National Geoscience Information Service | A8NE (E) | 0 | 1 | 330252 348329 |
| | **Potential for Collapsible Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A4NW (SE) | 0 | 1 | 330152 347712 |
| | **Potential for Collapsible Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A11NE (N) | 0 | 1 | 329642 348810 |
| | **Potential for Collapsible Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A11SE (E) | 0 | 1 | 329551 348488 |
| | **Potential for Collapsible Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A12SW (E) | 0 | 1 | 330000 348488 |

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| | **Potential for Collapsible Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A7NW (SW) | 104 | 1 | 329237 348197 |
| | **Potential for Compressible Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A7NW (S) | 0 | 1 | 329493 348293 |
| | **Potential for Compressible Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A12SW (E) | 0 | 1 | 330039 348519 |
| | **Potential for Compressible Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A11SE (E) | 0 | 1 | 329551 348488 |
| | **Potential for Compressible Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A12SW (E) | 0 | 1 | 330000 348488 |
| | **Potential for Compressible Ground Stability Hazards**<br>Hazard Potential: Moderate<br>Source: British Geological Survey, National Geoscience Information Service | A16NW (NE) | 0 | 1 | 330056 349480 |
| | **Potential for Compressible Ground Stability Hazards**<br>Hazard Potential: Moderate<br>Source: British Geological Survey, National Geoscience Information Service | A11NE (N) | 0 | 1 | 329642 348810 |
| | **Potential for Compressible Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A11SE (N) | 1 | 1 | 329536 348635 |
| | **Potential for Compressible Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A7NE (SE) | 66 | 1 | 329641 348306 |
| | **Potential for Compressible Ground Stability Hazards**<br>Hazard Potential: Moderate<br>Source: British Geological Survey, National Geoscience Information Service | A7NW (SW) | 104 | 1 | 329237 348197 |
| | **Potential for Ground Dissolution Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A11SE (E) | 0 | 1 | 329551 348488 |
| | **Potential for Ground Dissolution Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A12SW (E) | 0 | 1 | 330000 348488 |
| | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service | A15NE (N) | 0 | 1 | 329695 349481 |
| | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service | A16NW (NE) | 0 | 1 | 330028 349522 |
| | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service | A12NW (NE) | 0 | 1 | 329995 348832 |
| | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service | A12NW (NE) | 0 | 1 | 330000 348832 |
| | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service | A11SE (NE) | 0 | 1 | 329628 348611 |
| | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service | A16SW (NE) | 0 | 1 | 330102 349254 |
| | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A12SW (E) | 0 | 1 | 330000 348488 |
| | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A11SE (E) | 0 | 1 | 329551 348488 |
| | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A15NE (N) | 0 | 1 | 329835 349559 |

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| | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service | A16NW (NE) | 2 | 1 | 330056 349480 |
| | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service | A16SE (NE) | 11 | 1 | 330502 349148 |
| | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service | A16NW (NE) | 16 | 1 | 330169 349479 |
| | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service | A15SE (N) | 38 | 1 | 329812 349346 |
| | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service | A7NE (SE) | 56 | 1 | 329685 348301 |
| | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: Moderate<br>Source: British Geological Survey, National Geoscience Information Service | A15NE (N) | 88 | 1 | 329767 349688 |
| | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service | A12SW (E) | 100 | 1 | 330175 348548 |
| | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: Moderate<br>Source: British Geological Survey, National Geoscience Information Service | A15NE (N) | 177 | 1 | 329756 349506 |
| | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service | A11NW (N) | 193 | 1 | 329483 348822 |
| | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service | A15SE (N) | 218 | 1 | 329676 349442 |
| | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service | A15SE (N) | 226 | 1 | 329717 349223 |
| | **Potential for Running Sand Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A16NE (NE) | 0 | 1 | 330355 349671 |
| | **Potential for Running Sand Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A15SE (N) | 0 | 1 | 329641 349314 |
| | **Potential for Running Sand Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A16SW (NE) | 0 | 1 | 330000 349381 |
| | **Potential for Running Sand Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A16NW (NE) | 0 | 1 | 330073 349741 |
| | **Potential for Running Sand Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A16NW (NE) | 0 | 1 | 330000 349488 |
| | **Potential for Running Sand Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A12SW (E) | 0 | 1 | 330000 348488 |
| | **Potential for Running Sand Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A15SE (N) | 0 | 1 | 329670 349444 |
| | **Potential for Running Sand Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A11SE (E) | 0 | 1 | 329551 348488 |
| | **Potential for Running Sand Ground Stability Hazards**<br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service | A11NE (N) | 0 | 1 | 329642 348810 |
| | **Potential for Running Sand Ground Stability Hazards**<br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service | A16NW (NE) | 0 | 1 | 330056 349480 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Potential for Running Sand Ground Stability Hazards**<br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service | A7NW (SW) | 104 | 1 | 329237 348197 |
| | **Potential for Shrinking or Swelling Clay Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A11SE (E) | 0 | 1 | 329551 348488 |
| | **Potential for Shrinking or Swelling Clay Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A12SW (E) | 0 | 1 | 330000 348488 |
| | **Potential for Shrinking or Swelling Clay Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A16SW (NE) | 0 | 1 | 330000 349392 |
| | **Potential for Shrinking or Swelling Clay Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A16NW (NE) | 0 | 1 | 330130 349726 |
| | **Potential for Shrinking or Swelling Clay Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A16SW (NE) | 0 | 1 | 329924 349352 |
| | **Potential for Shrinking or Swelling Clay Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A12NW (NE) | 0 | 1 | 330041 348799 |
| | **Potential for Shrinking or Swelling Clay Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A16SE (NE) | 0 | 1 | 330485 349365 |
| | **Potential for Shrinking or Swelling Clay Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A16NW (NE) | 0 | 1 | 330120 349565 |
| | **Potential for Shrinking or Swelling Clay Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A16NE (NE) | 0 | 1 | 330355 349671 |
| | **Potential for Shrinking or Swelling Clay Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A15SE (N) | 4 | 1 | 329641 349314 |
| | **Radon Potential - Radon Affected Areas**<br>Affected Area: The property is in an Intermediate probability radon area (5 to 10% of homes are estimated to be at or above the Action Level).<br>Source: British Geological Survey, National Geoscience Information Service | A16SW (NE) | 0 | 1 | 330000 349326 |
| | **Radon Potential - Radon Affected Areas**<br>Affected Area: The property is in a Higher probability radon area (10 to 30% of homes are estimated to be at or above the Action Level).<br>Source: British Geological Survey, National Geoscience Information Service | A16NW (N) | 0 | 1 | 329975 349701 |
| | **Radon Potential - Radon Affected Areas**<br>Affected Area: The property is in a Higher probability radon area (10 to 30% of homes are estimated to be at or above the Action Level).<br>Source: British Geological Survey, National Geoscience Information Service | A12SW (NE) | 0 | 1 | 329975 348751 |
| | **Radon Potential - Radon Affected Areas**<br>Affected Area: The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level).<br>Source: British Geological Survey, National Geoscience Information Service | A16NE (NE) | 0 | 1 | 330475 349651 |
| | **Radon Potential - Radon Affected Areas**<br>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).<br>Source: British Geological Survey, National Geoscience Information Service | A16NW (N) | 0 | 1 | 329875 349576 |
| | **Radon Potential - Radon Affected Areas**<br>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).<br>Source: British Geological Survey, National Geoscience Information Service | A16SE (NE) | 0 | 1 | 330350 349376 |
| | **Radon Potential - Radon Affected Areas**<br>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).<br>Source: British Geological Survey, National Geoscience Information Service | A16NW (NE) | 0 | 1 | 330000 349551 |
| | **Radon Potential - Radon Affected Areas**<br>Affected Area: The property is in an Intermediate probability radon area (5 to 10% of homes are estimated to be at or above the Action Level).<br>Source: British Geological Survey, National Geoscience Information Service | A15SE (N) | 0 | 1 | 329551 349251 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Radon Potential - Radon Affected Areas**<br>Affected Area: The property is in a Higher probability radon area (10 to 30% of homes are estimated to be at or above the Action Level).<br>Source: British Geological Survey, National Geoscience Information Service | A12SW (NE) | 0 | 1 | 330000 348726 |
| | **Radon Potential - Radon Affected Areas**<br>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).<br>Source: British Geological Survey, National Geoscience Information Service | A11SE (E) | 0 | 1 | 329551 348488 |
| | **Radon Potential - Radon Affected Areas**<br>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).<br>Source: British Geological Survey, National Geoscience Information Service | A12NW (NE) | 0 | 1 | 330000 348876 |
| | **Radon Potential - Radon Affected Areas**<br>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).<br>Source: British Geological Survey, National Geoscience Information Service | A12SW (E) | 0 | 1 | 330000 348488 |
| | **Radon Potential - Radon Affected Areas**<br>Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level).<br>Source: British Geological Survey, National Geoscience Information Service | A16NE (NE) | 0 | 1 | 330325 349476 |
| | **Radon Potential - Radon Protection Measures**<br>Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions<br>Source: British Geological Survey, National Geoscience Information Service | A16SW (NE) | 0 | 1 | 330000 349326 |
| | **Radon Potential - Radon Protection Measures**<br>Protection Measure: Full radon protective measures are necessary in the construction of new dwellings or extensions<br>Source: British Geological Survey, National Geoscience Information Service | A16NW (N) | 0 | 1 | 329975 349701 |
| | **Radon Potential - Radon Protection Measures**<br>Protection Measure: Full radon protective measures are necessary in the construction of new dwellings or extensions<br>Source: British Geological Survey, National Geoscience Information Service | A12SW (NE) | 0 | 1 | 329975 348751 |
| | **Radon Potential - Radon Protection Measures**<br>Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions<br>Source: British Geological Survey, National Geoscience Information Service | A16NE (NE) | 0 | 1 | 330475 349651 |
| | **Radon Potential - Radon Protection Measures**<br>Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions<br>Source: British Geological Survey, National Geoscience Information Service | A16NW (N) | 0 | 1 | 329875 349576 |
| | **Radon Potential - Radon Protection Measures**<br>Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions<br>Source: British Geological Survey, National Geoscience Information Service | A16SE (NE) | 0 | 1 | 330350 349376 |
| | **Radon Potential - Radon Protection Measures**<br>Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions<br>Source: British Geological Survey, National Geoscience Information Service | A16NW (NE) | 0 | 1 | 330000 349551 |
| | **Radon Potential - Radon Protection Measures**<br>Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions<br>Source: British Geological Survey, National Geoscience Information Service | A15SE (N) | 0 | 1 | 329551 349251 |
| | **Radon Potential - Radon Protection Measures**<br>Protection Measure: Full radon protective measures are necessary in the construction of new dwellings or extensions<br>Source: British Geological Survey, National Geoscience Information Service | A12SW (NE) | 0 | 1 | 330000 348726 |
| | **Radon Potential - Radon Protection Measures**<br>Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions<br>Source: British Geological Survey, National Geoscience Information Service | A11SE (E) | 0 | 1 | 329551 348488 |
| | **Radon Potential - Radon Protection Measures**<br>Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions<br>Source: British Geological Survey, National Geoscience Information Service | A12NW (NE) | 0 | 1 | 330000 348876 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Radon Potential - Radon Protection Measures**<br>Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions<br>Source: British Geological Survey, National Geoscience Information Service | A12SW (E) | 0 | 1 | 330000 348488 |
| | **Radon Potential - Radon Protection Measures**<br>Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions<br>Source: British Geological Survey, National Geoscience Information Service | A16NE (NE) | 0 | 1 | 330325 349476 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 160 | **Contemporary Trade Directory Entries**<br>Name: Clean & Green Ltd<br>Location: Woodpecker Cottage, Talwrn Road, Rhostyllen, Wrexham, Clwyd, LL14 4ES<br>Classification: Cleaning Materials & Equipment<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A7SE (S) | 136 | - | 329599 348060 |
| 161 | **Contemporary Trade Directory Entries**<br>Name: Gavin Jones Body Repairs<br>Location: Talwrn Road, Rhostyllen, Wrexham, LL14 4ER<br>Classification: Car Body Repairs<br>**Status: Active**<br>Positional Accuracy: Manually positioned to the road within the address or location | A7SW (S) | 247 | - | 329497 347937 |
| 162 | **Contemporary Trade Directory Entries**<br>Name: Pentre Bychan Crematorium<br>Location: Pentre Bychan Road, Pentre Bychan, Wrexham, Clwyd, LL14 4EP<br>Classification: Cemeteries & Crematoria<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A8SW (SE) | 342 | - | 329964 347935 |
| 163 | **Contemporary Trade Directory Entries**<br>Name: North Wales Energy Ltd<br>Location: Packsaddle, Wrexham Road, Rhostyllen, Wrexham, Clwyd, LL14 4EH<br>Classification: Gas Companies<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (SE) | 542 | - | 330479 347857 |
| 164 | **Contemporary Trade Directory Entries**<br>Name: Cecil S Allen & Sons<br>Location: Talwrn Buildings, Llwyneinion Road, Rhostyllen, Wrexham, Clwyd, LL14 4ET<br>Classification: Road Haulage Services<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A2NE (SW) | 677 | - | 328966 347649 |
| 165 | **Contemporary Trade Directory Entries**<br>Name: David Kelly<br>Location: Esclusham Mill, Llwyneinion Road, Rhostyllen, Wrexham, Clwyd, LL14 4ET<br>Classification: Car Breakers & Dismantlers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A2NE (SW) | 692 | - | 328889 347687 |
| 166 | **Contemporary Trade Directory Entries**<br>Name: S P Power Systems Ltd<br>Location: Electricity House, Wrexham Road, Pentre Bychan, Wrexham, LL14 4DU<br>Classification: Electricity Companies<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A4NE (SE) | 711 | - | 330427 347648 |
| 167 | **Contemporary Trade Directory Entries**<br>Name: Hayne'S<br>Location: Vinegar Hill, Rhosllanerchrugog, Wrexham, Clwyd, LL14 1EH<br>Classification: Car Body Repairs<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the road within the address or location | A3SW (S) | 943 | - | 329234 347276 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 168 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 44697<br>Area(m²): 18598.4<br>Type: Plantation on Ancient Woodland | A15NE (N) | 0 | 2 | 329829 349538 |
| 169 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 28401<br>Area(m²): 11927.41<br>Type: Ancient and Semi-Natural Woodland | A16NW (NE) | 0 | 2 | 330204 349459 |
| 170 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 28402<br>Area(m²): 25384.63<br>Type: Ancient and Semi-Natural Woodland | A15NE (N) | 0 | 2 | 329755 349475 |
| 171 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 31892<br>Area(m²): 3689.65<br>Type: Ancient and Semi-Natural Woodland | A12NE (NE) | 0 | 2 | 330414 349080 |
| 172 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 31893<br>Area(m²): 3423.04<br>Type: Ancient and Semi-Natural Woodland | A16SE (NE) | 0 | 2 | 330454 349254 |
| 173 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 31894<br>Area(m²): 5298.12<br>Type: Ancient and Semi-Natural Woodland | A16SE (NE) | 0 | 2 | 330519 349309 |
| 174 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 31895<br>Area(m²): 32563.69<br>Type: Ancient and Semi-Natural Woodland | (N) | 0 | 2 | 329737 349820 |
| 175 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 36800<br>Area(m²): 6187.18<br>Type: Restored Ancient Woodland Site | (NE) | 0 | 2 | 331026 350330 |
| 176 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 36795<br>Area(m²): 10124.28<br>Type: Restored Ancient Woodland Site | A16SE (NE) | 0 | 2 | 330259 349370 |
| 177 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 47040<br>Area(m²): 25982.54<br>Type: Plantation on Ancient Woodland | (NE) | 0 | 2 | 330452 350204 |
| 178 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 47041<br>Area(m²): 30794.46<br>Type: Plantation on Ancient Woodland | (N) | 0 | 2 | 330080 350248 |
| 179 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 29691<br>Area(m²): 23810.49<br>Type: Restored Ancient Woodland Site | A16SE (NE) | 0 | 2 | 330274 349376 |
| 180 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 36799<br>Area(m²): 5763.65<br>Type: Restored Ancient Woodland Site | (N) | 0 | 2 | 330001 350336 |
| 181 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 36799<br>Area(m²): 16577.14<br>Type: Restored Ancient Woodland Site | (N) | 14 | 2 | 330110 350438 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 182 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 37165<br>Area(m²): 14030.91<br>Type: Restored Ancient Woodland Site | (NE) | 35 | 2 | 330960<br>349195 |
| 183 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 29695<br>Area(m²): 7424.77<br>Type: Ancient and Semi-Natural Woodland | A15NE<br>(N) | 93 | 2 | 329786<br>349711 |
| 184 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 31884<br>Area(m²): 18996.87<br>Type: Ancient and Semi-Natural Woodland | A7SW<br>(S) | 102 | 2 | 329506<br>348081 |
| 185 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 31891<br>Area(m²): 5037.11<br>Type: Ancient and Semi-Natural Woodland | A11SW<br>(N) | 109 | 2 | 329516<br>348755 |
| 186 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 36797<br>Area(m²): 18121.59<br>Type: Restored Ancient Woodland Site | A15NE<br>(N) | 122 | 2 | 329744<br>349538 |
| 187 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 44697<br>Area(m²): 2253.19<br>Type: Plantation on Ancient Woodland | A15NE<br>(N) | 129 | 2 | 329762<br>349458 |
| 188 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 33409<br>Area(m²): 11674.4<br>Type: Ancient and Semi-Natural Woodland | (E) | 144 | 2 | 331013<br>349029 |
| 189 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 31883<br>Area(m²): 7490.9<br>Type: Ancient and Semi-Natural Woodland | A7SE<br>(SE) | 204 | 2 | 329840<br>348033 |
| 190 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 29694<br>Area(m²): 16608.75<br>Type: Restored Ancient Woodland Site | A15NE<br>(N) | 211 | 2 | 329737<br>349543 |
| 191 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 27370<br>Area(m²): 12198.45<br>Type: Ancient and Semi-Natural Woodland | A15SE<br>(N) | 216 | 2 | 329683<br>349433 |
| 192 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 45171<br>Area(m²): 36368.75<br>Type: Plantation on Ancient Woodland | A15NE<br>(N) | 220 | 2 | 329589<br>349525 |
| 193 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 44057<br>Area(m²): 8750.89<br>Type: Plantation on Ancient Woodland | A15NE<br>(N) | 355 | 2 | 329567<br>349518 |
| 194 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 36798<br>Area(m²): 26428.57<br>Type: Restored Ancient Woodland Site | (N) | 416 | 2 | 329369<br>349877 |
| 195 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 29694<br>Area(m²): 28156.11<br>Type: Restored Ancient Woodland Site | A15NW<br>(N) | 417 | 2 | 329433<br>349748 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 196 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 36794<br>Area(m²): 10029.13<br>Type: Restored Ancient Woodland Site | A6SE (SW) | 440 | 2 | 329099 347845 |
| 197 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 31882<br>Area(m²): 1084.43<br>Type: Ancient and Semi-Natural Woodland | A3NE (S) | 483 | 2 | 329669 347718 |
| 198 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 28399<br>Area(m²): 4083.8<br>Type: Ancient and Semi-Natural Woodland | A3NE (S) | 489 | 2 | 329602 347699 |
| 199 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 29693<br>Area(m²): 27707.99<br>Type: Restored Ancient Woodland Site | A15NW (N) | 584 | 2 | 329319 349553 |
| 200 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 31896<br>Area(m²): 18382.66<br>Type: Ancient and Semi-Natural Woodland | (N) | 591 | 2 | 329094 349927 |
| 201 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 31888<br>Area(m²): 3812.63<br>Type: Ancient and Semi-Natural Woodland | A6NW (W) | 592 | 2 | 328753 348287 |
| 202 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 36793<br>Area(m²): 19624.66<br>Type: Restored Ancient Woodland Site | A3NE (S) | 594 | 2 | 329689 347607 |
| 203 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 36796<br>Area(m²): 2560.91<br>Type: Restored Ancient Woodland Site | A15NW (N) | 636 | 2 | 329288 349566 |
| 204 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 29692<br>Area(m²): 23390.88<br>Type: Restored Ancient Woodland Site | A15NW (N) | 645 | 2 | 329283 349571 |
| 205 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 33421<br>Area(m²): 2522.01<br>Type: Ancient and Semi-Natural Woodland | (NW) | 876 | 2 | 328778 350113 |
| 206 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 31889<br>Area(m²): 9825.36<br>Type: Ancient and Semi-Natural Woodland | A5NE (W) | 924 | 2 | 328419 348289 |
| 207 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 33422<br>Area(m²): 41152.25<br>Type: Ancient and Semi-Natural Woodland | (NW) | 964 | 2 | 328660 350077 |
| 208 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 31886<br>Area(m²): 8259.26<br>Type: Ancient and Semi-Natural Woodland | A5NE (W) | 978 | 2 | 328363 348167 |
| 209 | **Areas of Outstanding Natural Beauty**<br>Name: Bryniau Clwyd A Dyffryn Dyfrdwy/Clwydian Range And Dee Valley<br>Multiple Areas: N<br>Total Area (m2): 389277308.58<br>Designation Date: 22nd November 2011<br>Source: Natural Resources Wales | A6NW (W) | 768 | 2 | 328579 348319 |

| Agency & Hydrological | Version | Update Cycle |
|---|---|---|
| **Contaminated Land Register Entries and Notices** | | |
| Natural Resources Wales | June 2020 | Annually |
| Wrexham County Borough Council - Public Protection Department | October 2017 | Annually |
| Denbighshire County Council - Public Protection Department | September 2017 | Annual Rolling Update |
| **Discharge Consents** | | |
| Environment Agency - Welsh Region | August 2014 | Quarterly |
| Natural Resources Wales | January 2022 | Quarterly |
| **Enforcement and Prohibition Notices** | | |
| Environment Agency - Welsh Region | March 2013 | |
| **Integrated Pollution Controls** | | |
| Environment Agency - Welsh Region | January 2009 | |
| **Integrated Pollution Prevention And Control** | | |
| Environment Agency - Welsh Region | January 2021 | Quarterly |
| Natural Resources Wales | January 2022 | Quarterly |
| **Local Authority Integrated Pollution Prevention And Control** | | |
| Wrexham County Borough Council - Environmental Health Department | April 2014 | Variable |
| Denbighshire County Council - Environmental Health Department | December 2014 | Variable |
| **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 |
| **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 |
| **Nearest Surface Water Feature** | | |
| Ordnance Survey | November 2021 | |
| **Pollution Incidents to Controlled Waters** | | |
| Environment Agency - Welsh Region | December 1998 | |
| **Prosecutions Relating to Authorised Processes** | | |
| Environment Agency - Welsh Region | July 2015 | |
| Natural Resources Wales | July 2015 | |
| **Prosecutions Relating to Controlled Waters** | | |
| Environment Agency - Welsh Region | March 2013 | |
| Natural Resources Wales | March 2013 | |
| **Registered Radioactive Substances** | | |
| Natural Resources Wales | January 2015 | |
| Environment Agency - Welsh Region | June 2016 | As notified |
| **River Quality** | | |
| Environment Agency - Head Office | November 2001 | Not Applicable |
| **Substantiated Pollution Incident Register** | | |
| Environment Agency Wales - North Area | January 2021 | Quarterly |
| Natural Resources Wales | January 2022 | Quarterly |
| **Water Abstractions** | | |
| Environment Agency - Welsh Region | January 2022 | Quarterly |
| Natural Resources Wales | November 2021 | Quarterly |
| **Water Industry Act Referrals** | | |
| Natural Resources Wales | January 2022 | Quarterly |
| Environment Agency - Welsh Region | October 2017 | |
| **Groundwater Vulnerability Map** | | |
| Natural Resources Wales | June 2018 | As notified |
| **Bedrock Aquifer Designations** | | |
| Natural Resources Wales | January 2018 | Annually |

| Agency & Hydrological | Version | Update Cycle |
|---|---|---|
| **Superficial Aquifer Designations** | | |
| Natural Resources Wales | January 2018 | Annually |
| **Source Protection Zones** | | |
| Natural Resources Wales | July 2017 | Annual Rolling Update |
| **Extreme Flooding from Rivers or Sea without Defences** | | |
| Natural Resources Wales | September 2020 | 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 | October 2021 | Quarterly |
| **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 | November 2002 | Not Applicable |
| **Historical Landfill Sites** | | |
| Natural Resources Wales | July 2019 | Quarterly |
| **Integrated Pollution Control Registered Waste Sites** | | |
| Environment Agency - Welsh Region | January 2009 | Not Applicable |
| **Licensed Waste Management Facilities (Landfill Boundaries)** | | |
| Environment Agency Wales - North Area | October 2021 | Quarterly |
| Natural Resources Wales | October 2021 | Quarterly |
| **Licensed Waste Management Facilities (Locations)** | | |
| Natural Resources Wales | April 2021 | Quarterly |
| Environment Agency Wales - North Area | July 2021 | Quarterly |
| **Local Authority Landfill Coverage** | | |
| Denbighshire County Council - Environmental Health Department | February 2003 | Not Applicable |
| Wrexham County Borough Council | February 2003 | Not Applicable |
| **Local Authority Recorded Landfill Sites** | | |
| Denbighshire County Council - Environmental Health Department | October 2018 | |
| Wrexham County Borough Council | October 2018 | |
| **Registered Landfill Sites** | | |
| Environment Agency Wales - North Area | March 2006 | Not Applicable |
| **Registered Waste Transfer Sites** | | |
| Environment Agency Wales - North Area | April 2018 | |
| **Registered Waste Treatment or Disposal Sites** | | |
| Environment Agency Wales - North Area | June 2015 | |

| Hazardous Substances | Version | Update Cycle |
|---|---|---|
| **Control of Major Accident Hazards Sites (COMAH)** | | |
| Health and Safety Executive | January 2022 | Bi-Annually |
| **Explosive Sites** | | |
| Health and Safety Executive | March 2017 | Annually |
| **Notification of Installations Handling Hazardous Substances (NIHHS)** | | |
| Health and Safety Executive | August 2001 | |
| **Planning Hazardous Substance Enforcements** | | |
| Denbighshire County Council - Planning Department | February 2016 | Variable |
| Wrexham County Borough Council - Planning Department | February 2016 | Variable |
| **Planning Hazardous Substance Consents** | | |
| Denbighshire County Council - Planning Department | February 2016 | Variable |
| Wrexham County Borough Council - Planning Department | February 2016 | Variable |

| Geological | Version | Update Cycle |
|---|---|---|
| **BGS 1:625,000 Solid Geology** | | |
| British Geological Survey - National Geoscience Information Service | January 2009 | Not Applicable |
| **BGS Recorded Mineral Sites** | | |
| British Geological Survey - National Geoscience Information Service | November 2021 | Bi-Annually |
| **CBSCB Compensation District** | | |
| Cheshire Brine Subsidence Compensation Board (CBSCB) | August 2011 | |
| Cheshire Brine Subsidence Compensation Board (CBSCB) | November 2020 | As notified |
| **Coal Mining Affected Areas** | | |
| The Coal Authority - Property Searches | March 2014 | Annual Rolling Update |
| **Mining Instability** | | |
| Ove Arup & Partners | June 1998 | Not Applicable |
| **Non Coal Mining Areas of Great Britain** | | |
| British Geological Survey - National Geoscience Information Service | May 2015 | Not Applicable |
| **Potential for Collapsible Ground Stability Hazards** | | |
| British Geological Survey - National Geoscience Information Service | April 2020 | As notified |
| **Potential for Compressible Ground Stability Hazards** | | |
| British Geological Survey - National Geoscience Information Service | January 2019 | As notified |
| **Potential for Ground Dissolution Stability Hazards** | | |
| British Geological Survey - National Geoscience Information Service | January 2019 | As notified |
| **Potential for Landslide Ground Stability Hazards** | | |
| British Geological Survey - National Geoscience Information Service | January 2019 | As notified |
| **Potential for Running Sand Ground Stability Hazards** | | |
| British Geological Survey - National Geoscience Information Service | January 2019 | As notified |
| **Potential for Shrinking or Swelling Clay Ground Stability Hazards** | | |
| British Geological Survey - National Geoscience Information Service | January 2019 | As notified |
| **Radon Potential - Radon Affected Areas** | | |
| British Geological Survey - National Geoscience Information Service | July 2011 | Annually |
| **Radon Potential - Radon Protection Measures** | | |
| British Geological Survey - National Geoscience Information Service | July 2011 | Annually |

| Industrial Land Use | Version | Update Cycle |
|---|---|---|
| **Contemporary Trade Directory Entries** | | |
| Thomson Directories | January 2022 | Quarterly |
| **Fuel Station Entries** | | |
| Catalist Ltd - Experian | November 2021 | Quarterly |
| **Gas Pipelines** | | |
| National Grid | October 2021 | Bi-Annually |
| **Underground Electrical Cables** | | |
| National Grid | May 2021 | Bi-Annually |
| **Sensitive Land Use** | **Version** | **Update Cycle** |
| **Ancient Woodland** | | |
| Natural Resources Wales | September 2018 | Bi-Annually |
| **Areas of Adopted Green Belt** | | |
| Denbighshire County Council | October 2020 | Quarterly |
| Wrexham County Borough Council | October 2020 | Quarterly |
| **Areas of Unadopted Green Belt** | | |
| Denbighshire County Council | October 2020 | Quarterly |
| Wrexham County Borough Council | October 2020 | Quarterly |
| **Areas of Outstanding Natural Beauty** | | |
| Natural Resources Wales | June 2019 | Bi-Annually |
| **Environmentally Sensitive Areas** | | |
| The National Assembly for Wales - GI Services (Department of Planning & Countryside) | January 2017 | |
| **Forest Parks** | | |
| Forestry Commission | April 1997 | Not Applicable |
| **Local Nature Reserves** | | |
| Denbighshire County Council | August 2018 | Bi-Annually |
| Wrexham County Borough Council | August 2018 | Bi-Annually |
| **Marine Nature Reserves** | | |
| Natural Resources Wales | August 2018 | Bi-Annually |
| **National Nature Reserves** | | |
| Natural Resources Wales | July 2019 | Bi-Annually |
| **National Parks** | | |
| Natural Resources Wales | February 2018 | Annually |
| **Nitrate Vulnerable Zones** | | |
| The National Assembly for Wales - GI Services (Department of Planning & Countryside) | April 2016 | |
| Natural Resources Wales | July 2019 | Bi-Annually |
| **Ramsar Sites** | | |
| Natural Resources Wales | July 2019 | Bi-Annually |
| **Sites of Special Scientific Interest** | | |
| Natural Resources Wales | March 2020 | Bi-Annually |
| **Special Areas of Conservation** | | |
| Natural Resources Wales | August 2020 | Bi-Annually |
| **Special Protection Areas** | | |
| Natural Resources Wales | August 2018 | 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**<br>British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG | Telephone: 0115 936 3143<br>Fax: 0115 936 3276<br>Email: enquiries@bgs.ac.uk<br>Website: www.bgs.ac.uk |
| 2 | **Natural Resources Wales**<br>Ty Cambria, 29 Newport Road, Cardiff, CF24 0TP | Telephone: 0300 065 3000<br>Email: enquiries@naturalresourceswales.gov.uk |
| 3 | **Wrexham County Borough Council - Environmental Health Department**<br>Crown Buildings, P O Box 1297, Wrexham, Clwyd, LL13 8ZE | Telephone: 01978 297038<br>Fax: 01978 292502<br>Website: www.wrexham.gov.uk |
| 4 | **Environment Agency - National Customer Contact Centre (NCCC)**<br>PO Box 544, Templeborough, Rotherham, S60 1BY | Telephone: 03708 506 506<br>Email: enquiries@environment-agency.gov.uk |
| 5 | **Ordnance Survey**<br>Adanac Drive, Southampton, Hampshire, SO16 0AS | Telephone: 03456 05 05 05<br>Email: customerservices@ordnancesurvey.co.uk<br>Website: www.ordnancesurvey.gov.uk |
| 6 | **Wrexham County Borough Council**<br>Lampet Street, Guildhall, Wrexham, Clwyd, LL11 1WL | Telephone: 01978 292000<br>Fax: 01978 292502<br>Website: www.wrexham.gov.uk |
| 7 | **The Coal Authority - Property Searches**<br>200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG | Telephone: 0345 762 6848<br>Fax: 01623 637 338<br>Email: groundstability@coal.gov.uk<br>Website: www2.groundstability.com |
| - | **Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards**<br>Chilton, Didcot, Oxfordshire, OX11 0RQ | Telephone: 01235 822622<br>Fax: 01235 833891<br>Email: radon@phe.gov.uk<br>Website: www.ukradon.org |
| - | **Landmark Information Group Limited**<br>Imperium, Imperial Way, Reading, Berkshire, RG2 0TD | Telephone: 0844 844 9952<br>Fax: 0844 844 9951<br>Email: customerservices@landmarkinfo.co.uk<br>Website: www.landmarkinfo.co.uk |

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

# 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

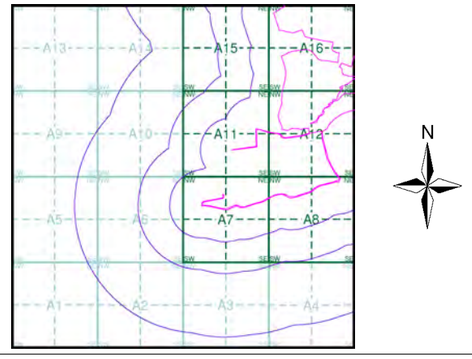
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community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

rps

## 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 - 1915 | 4 |
| Denbighshire | 1:10,560 | 1938 | 5 |
| Denbighshire | 1:10,560 | 1938 - 1954 | 6 |
| Denbighshire | 1:10,560 | 1954 | 7 |
| Ordnance Survey Plan | 1:10,000 | 1963 - 1964 | 8 |
| Ordnance Survey Plan | 1:10,000 | 1976 - 1979 | 9 |
| Ordnance Survey Plan | 1:10,000 | 1993 | 10 |
| 10K Raster Mapping | 1:10,000 | 2000 | 11 |
| Street View | Variable | | 12 |

## Historical Map - Slice A



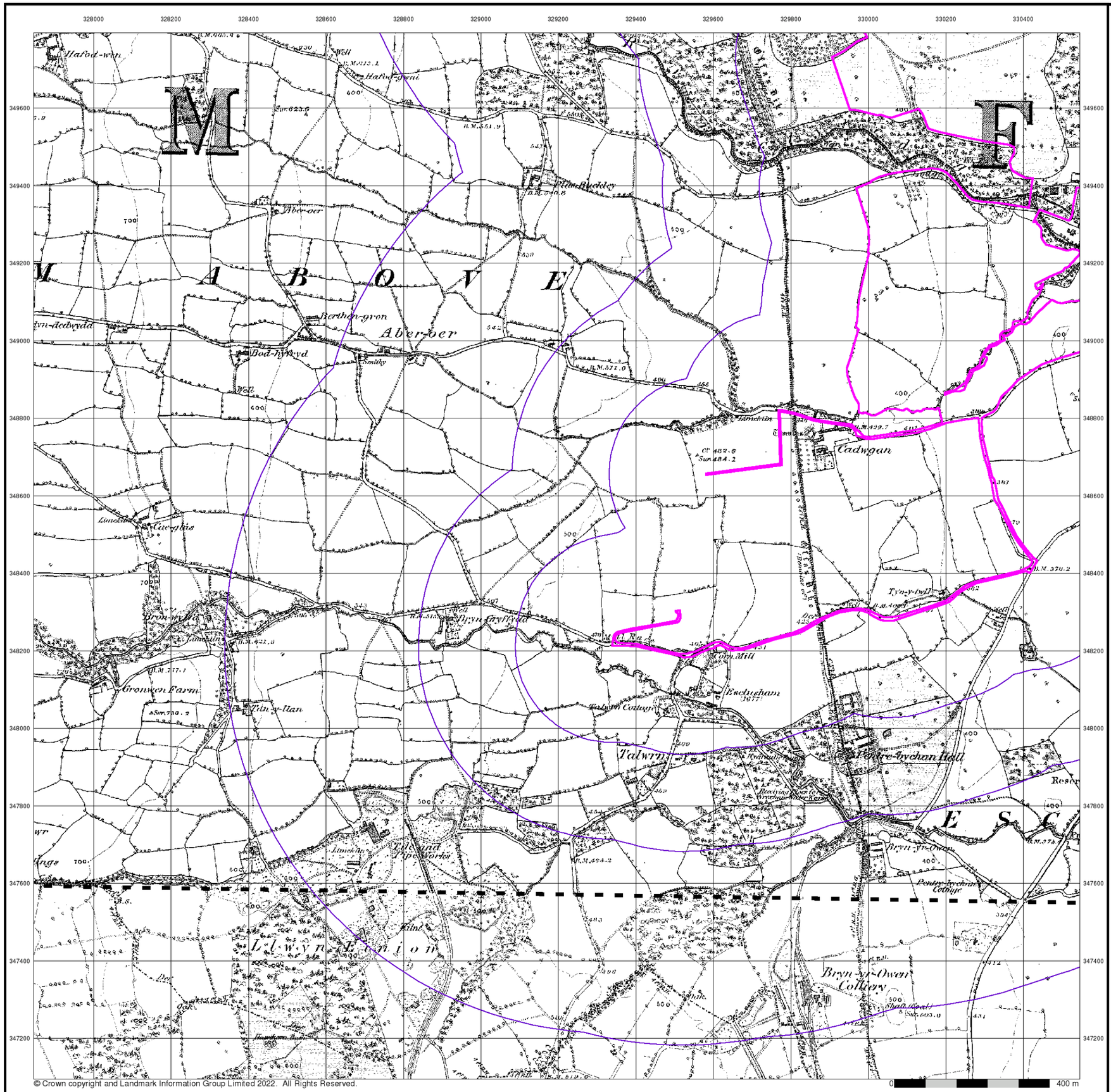

## Order Details

Order Number: 291151542_1_1
Customer Ref: JER8537
National Grid Reference: 329550, 348490
Slice: A
Site Area (Ha): 145.64
Search Buffer (m): 1000

## Site Details

Site at 330330, 350090


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




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## Denbighshire

## Published 1879

## Source map scale - 1:10,560

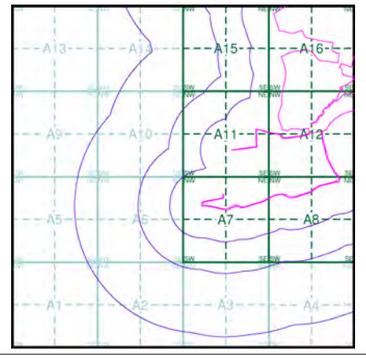
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some 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)

02800
1879
1:10,560

03500
1879
1:10,560

## Historical Map - Slice A



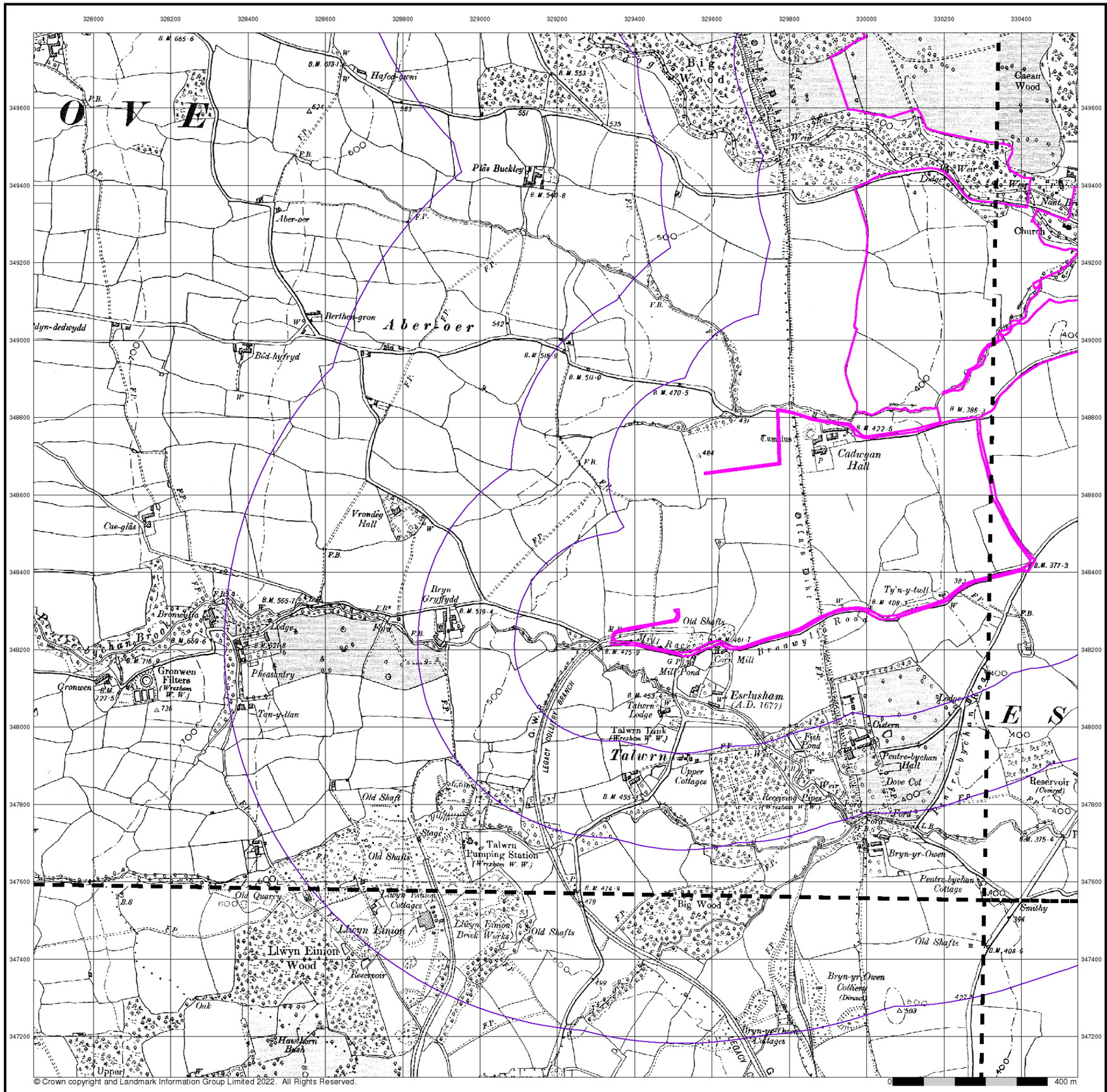

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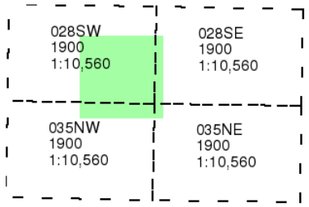
## Denbighshire

## Published 1900

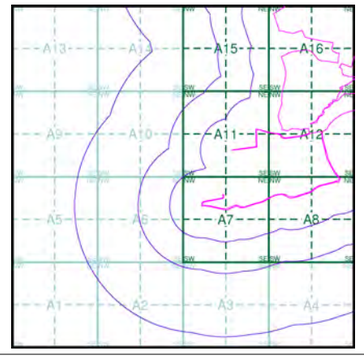
## Source map scale - 1:10,560

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## Map Name(s) and Date(s)




## Historical Map - Slice A



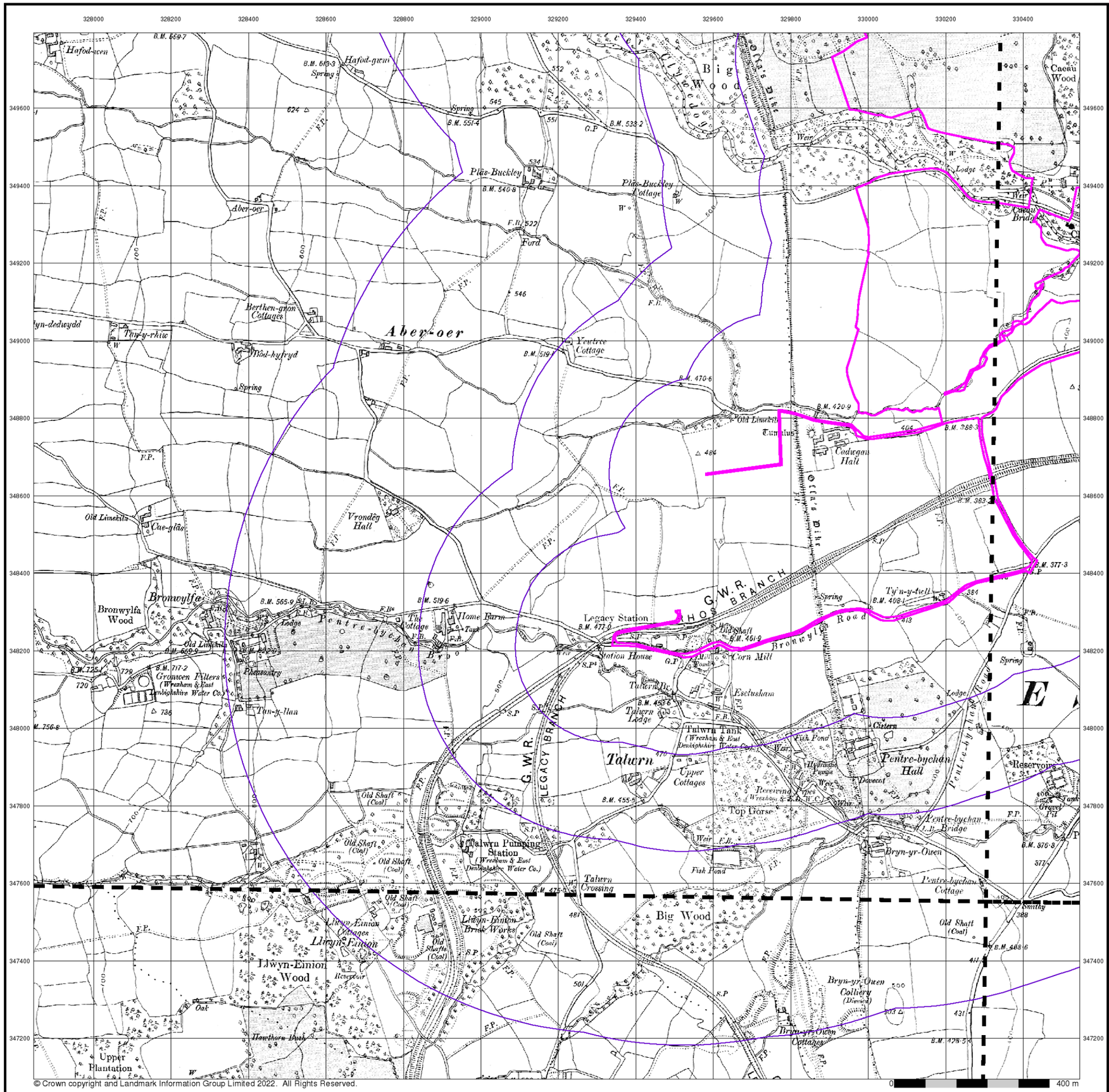

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## Denbighshire

## Published 1914 - 1915

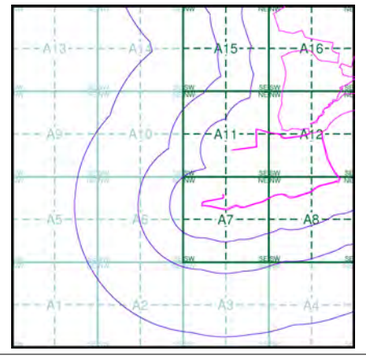
## Source map scale - 1:10,560

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)

| | |
|---|---|
| 028SW 1914 1:10,560 | 028SE 1915 1:10,560 |
| 035NW 1914 1:10,560 | 035NE 1914 1:10,560 |

## Historical Map - Slice A



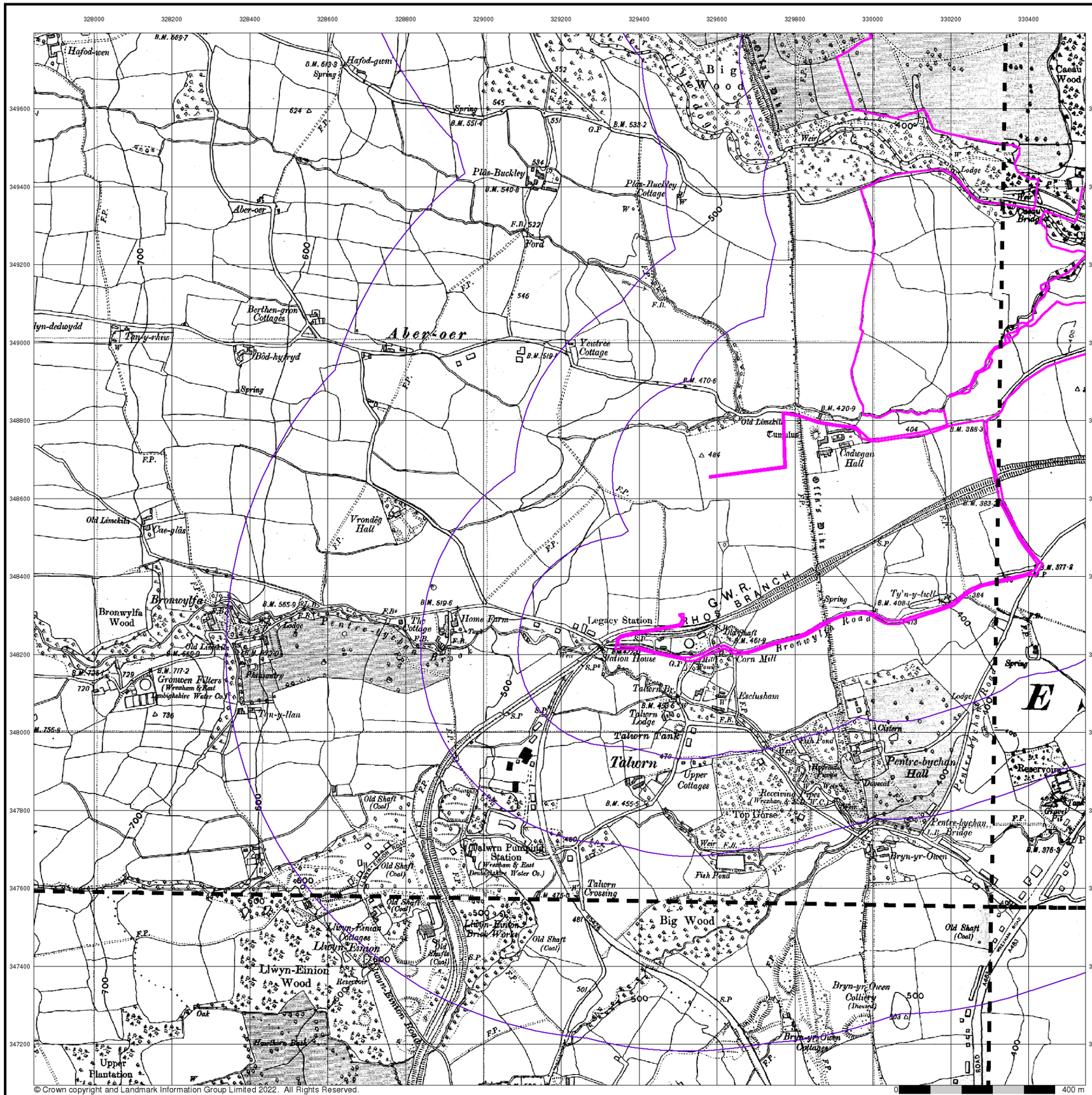

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| Customer Ref: | JER8537 |
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## Denbighshire

## Published 1938

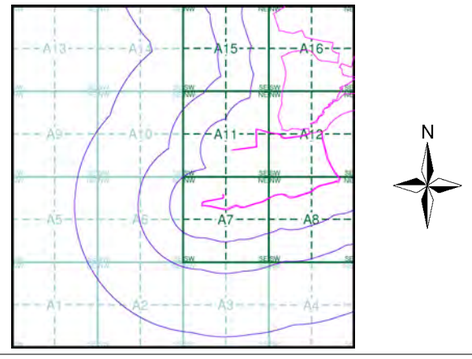
## Source map scale - 1:10,560

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## Map Name(s) and Date(s)

| | |
|---|---|
| 028SW 1938 1:10,560 | 028SE 1938 1:10,560 |
| 035NW 1938 1:10,560 | 035NE 1938 1:10,560 |

## Historical Map - Slice A



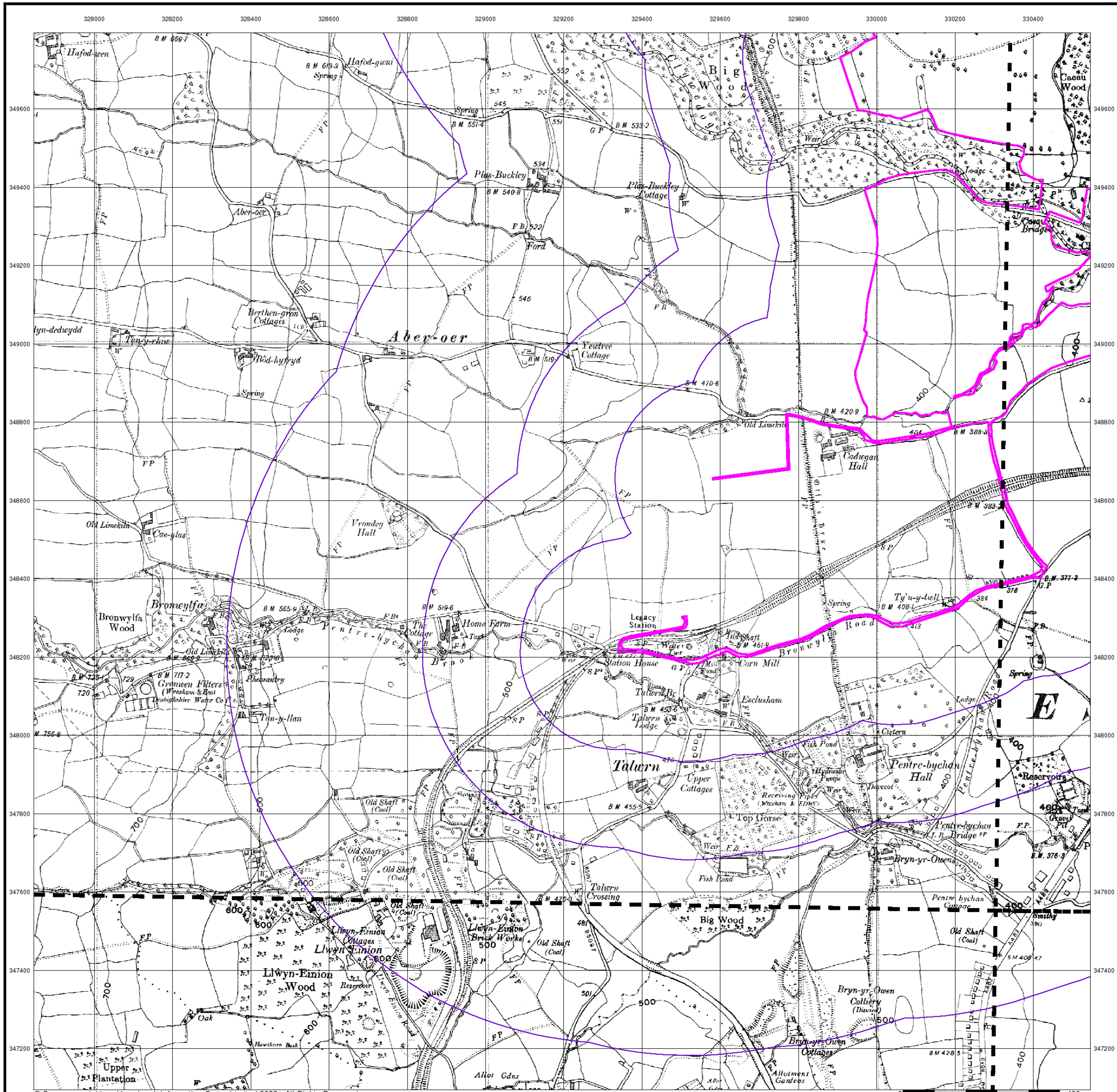

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| Slice: | A |
| Site Area (Ha): | 145.64 |
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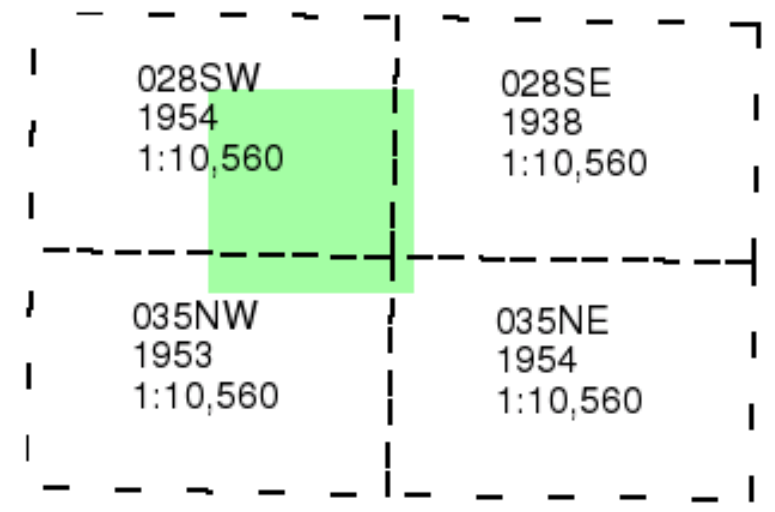
## Denbighshire

## Published 1938 - 1954

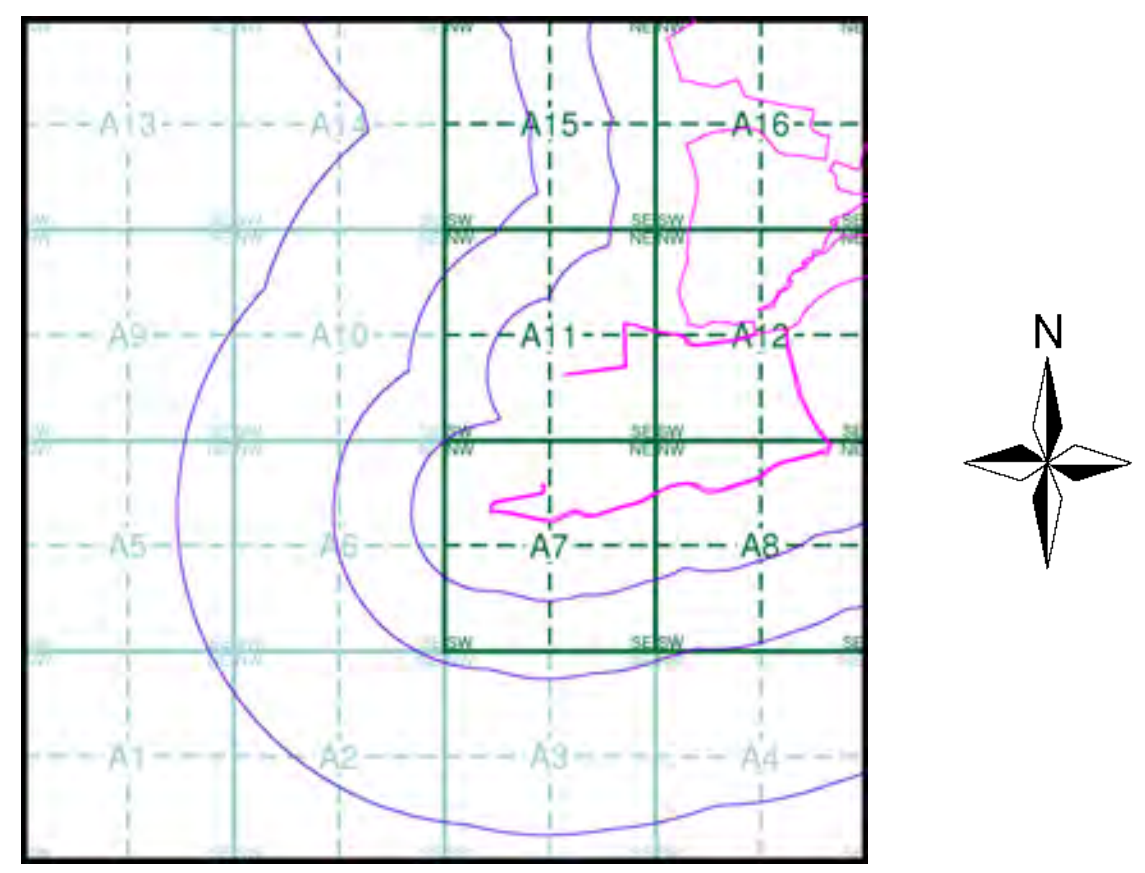
## Source map scale - 1:10,560

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



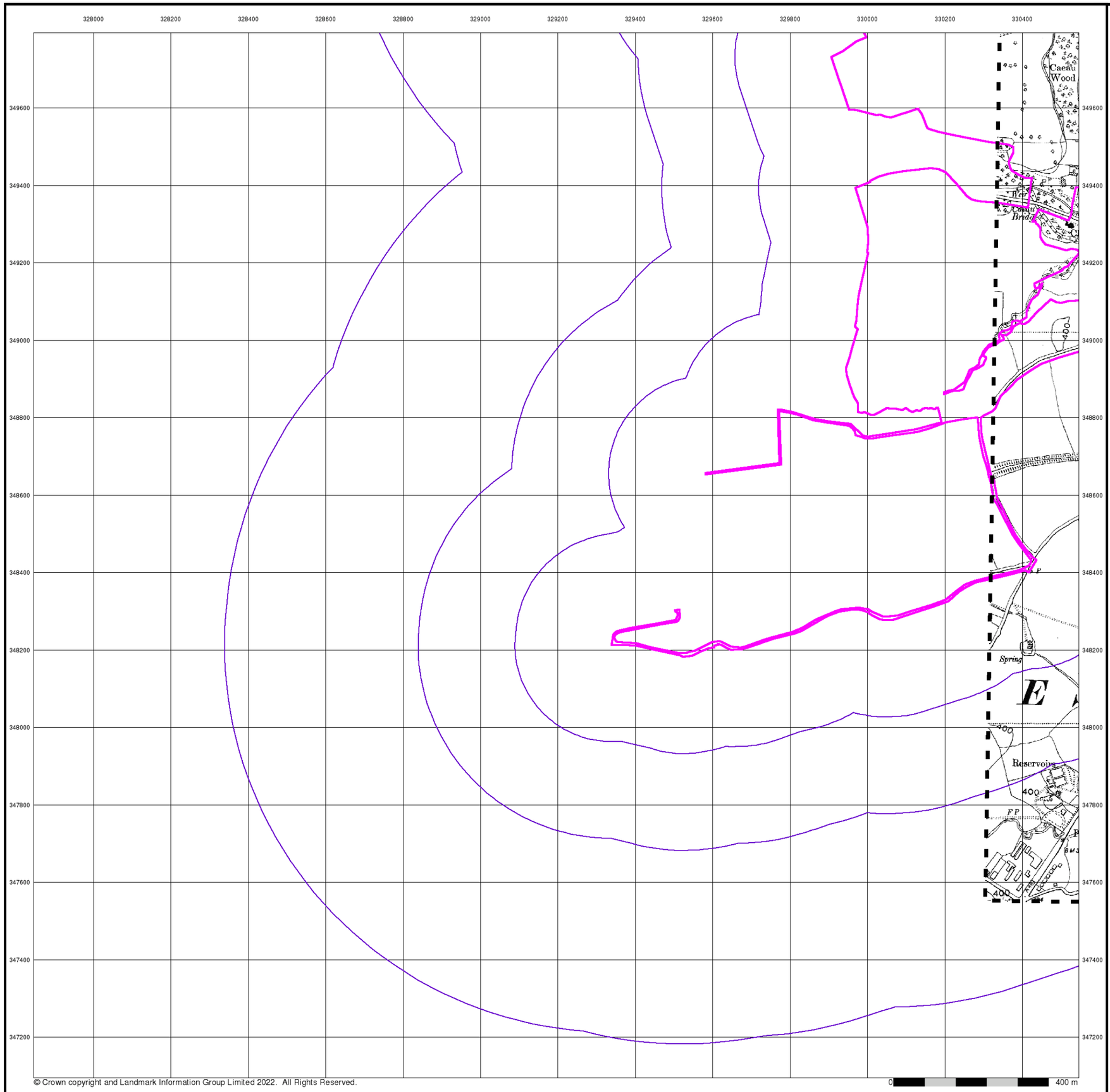

## Order Details

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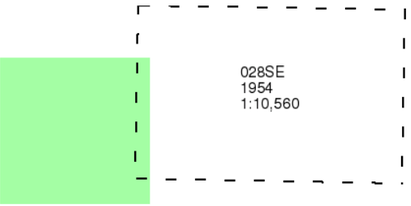

## Denbighshire

## Published 1954

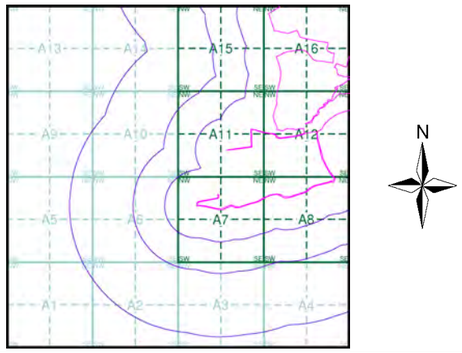
## Source map scale - 1:10,560

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



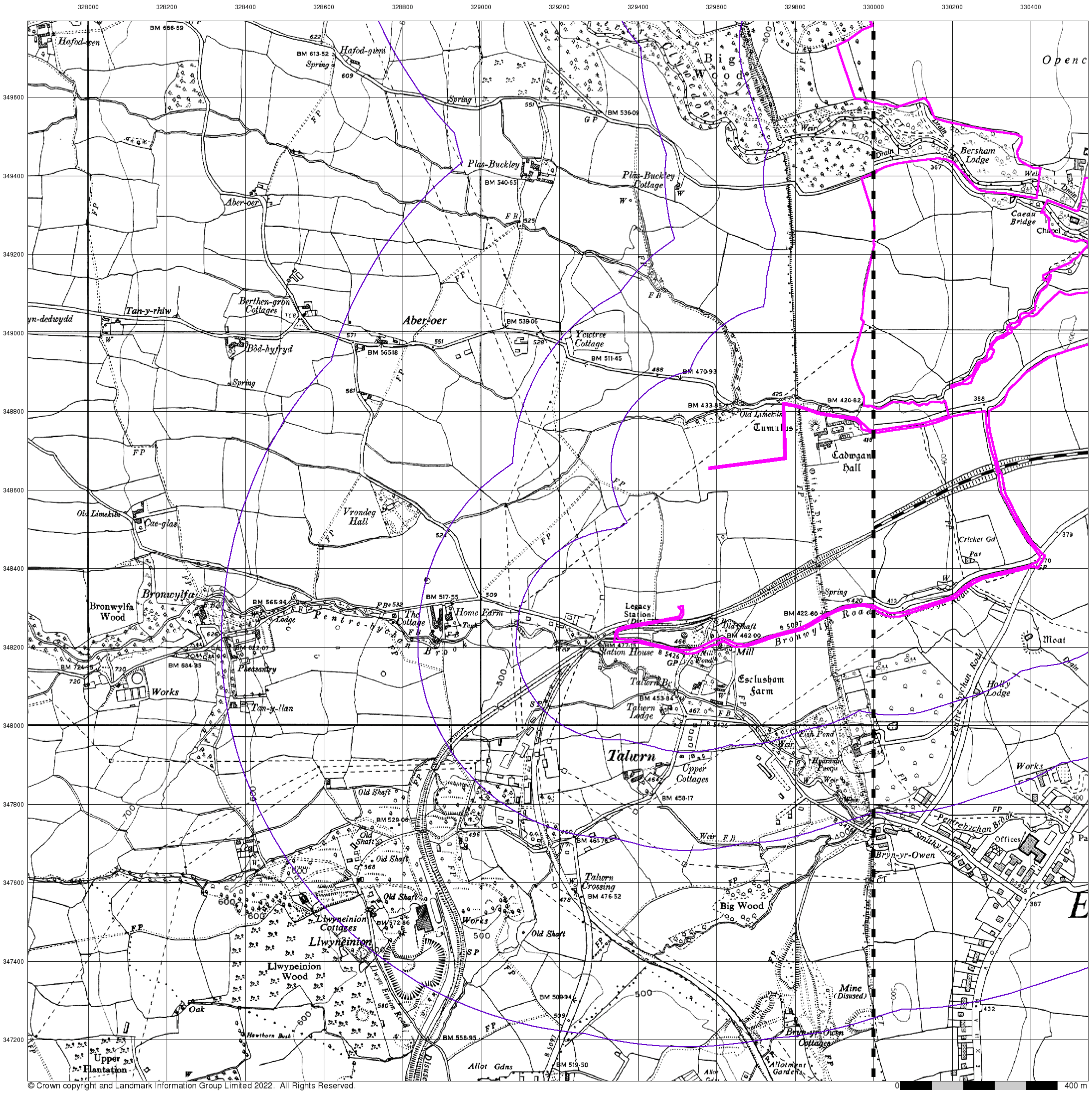

## Order Details

| | |
|---|---|
| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 329550, 348490 |
| Slice: | A |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 1000 |

## Site Details

Site at 330330, 350090

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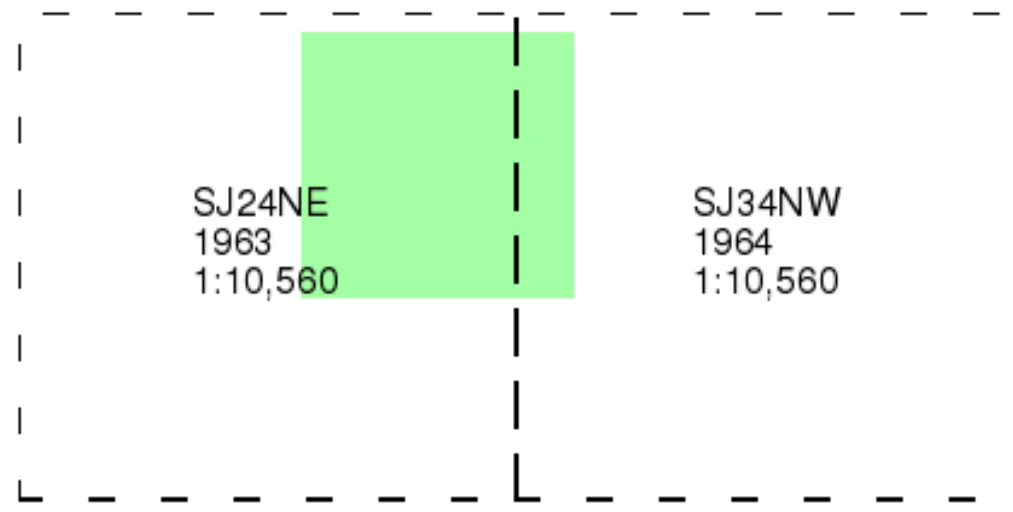
## Ordnance Survey Plan

## Published 1963 - 1964

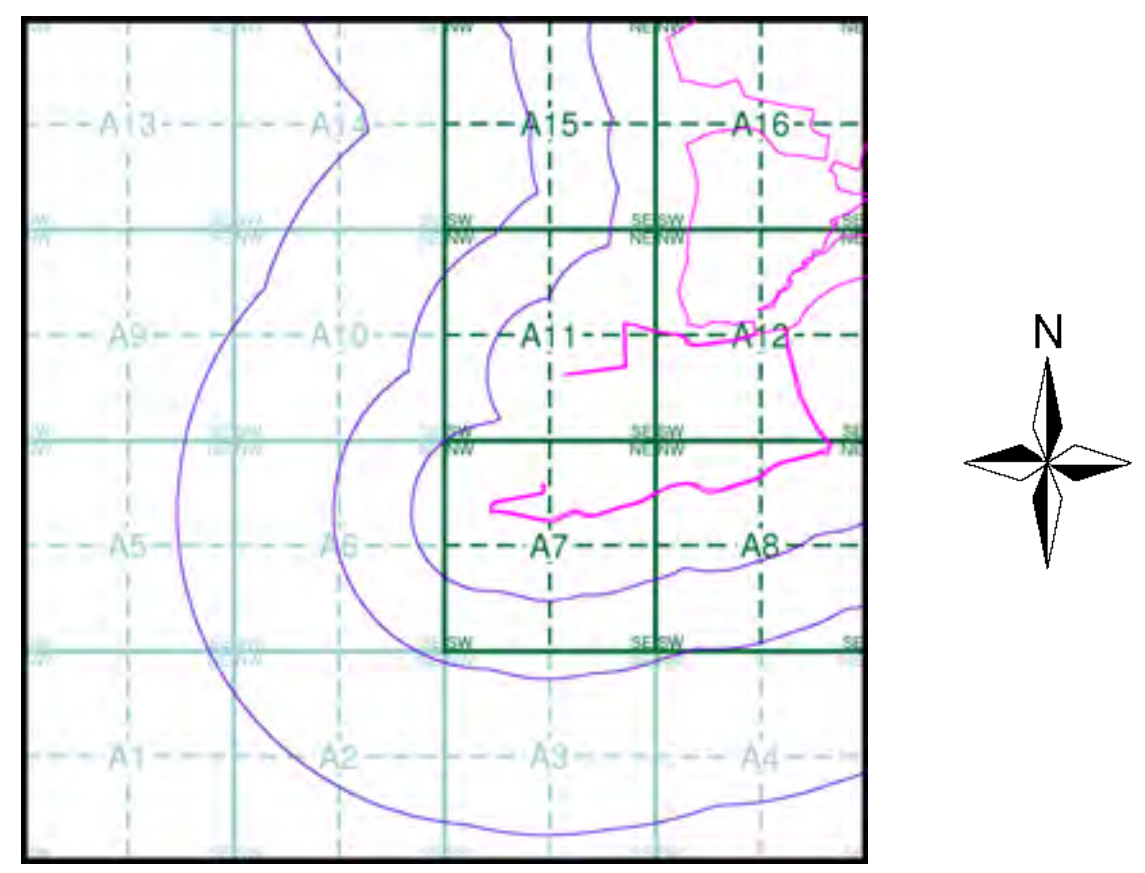
## Source map scale - 1:10,000

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



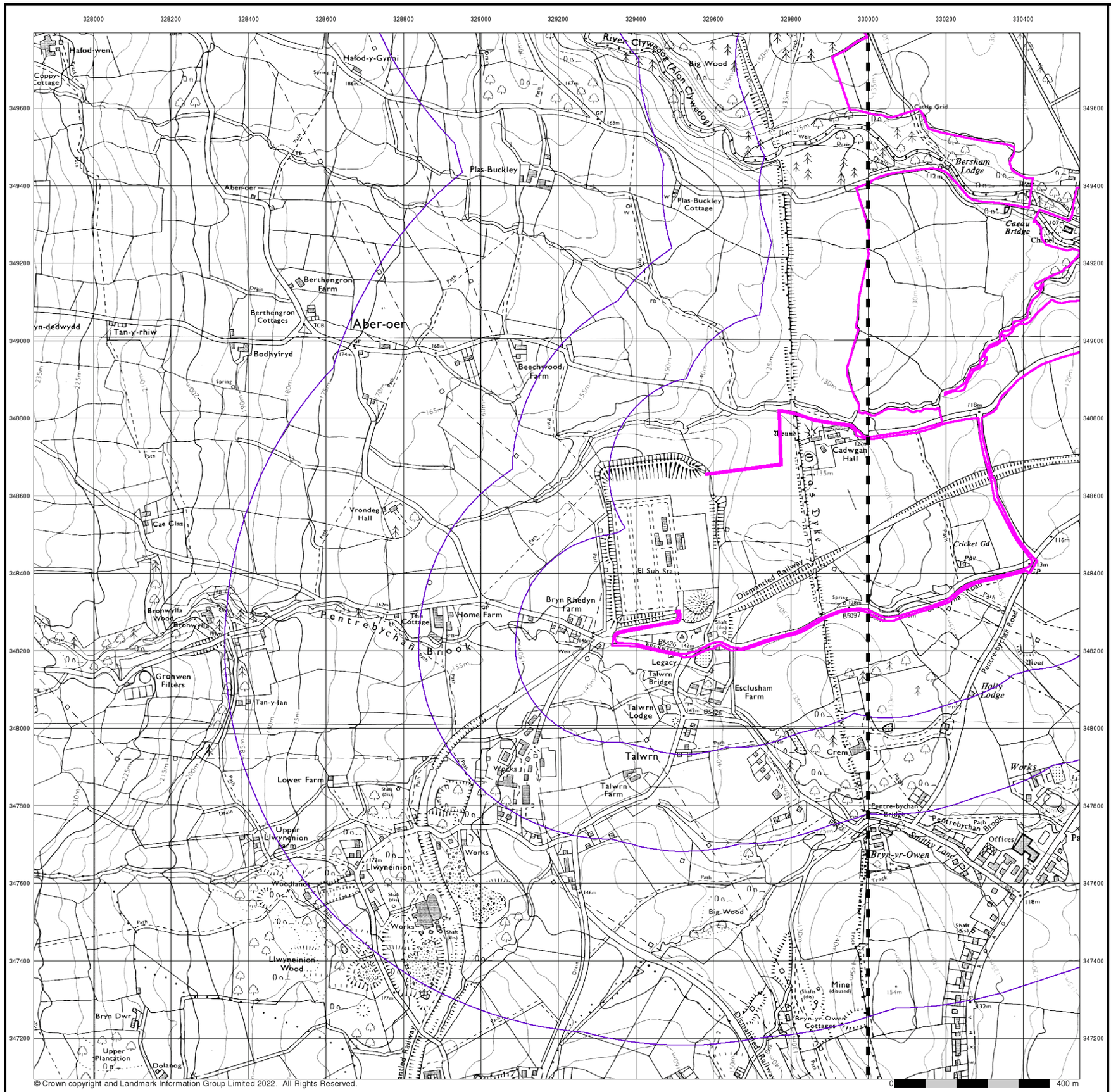

## Order Details

Order Number: 291151542_1_1
Customer Ref: JER8537
National Grid Reference: 329550, 348490
Slice: A
Site Area (Ha): 145.64
Search Buffer (m): 1000

## Site Details

Site at 330330, 350090

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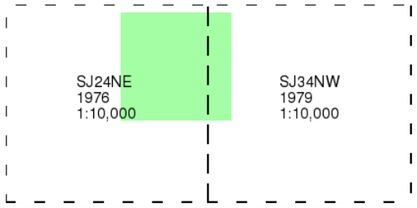
## Ordnance Survey Plan

## Published 1976 - 1979

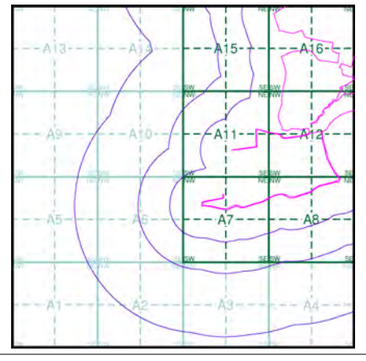
## Source map scale - 1:10,000

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



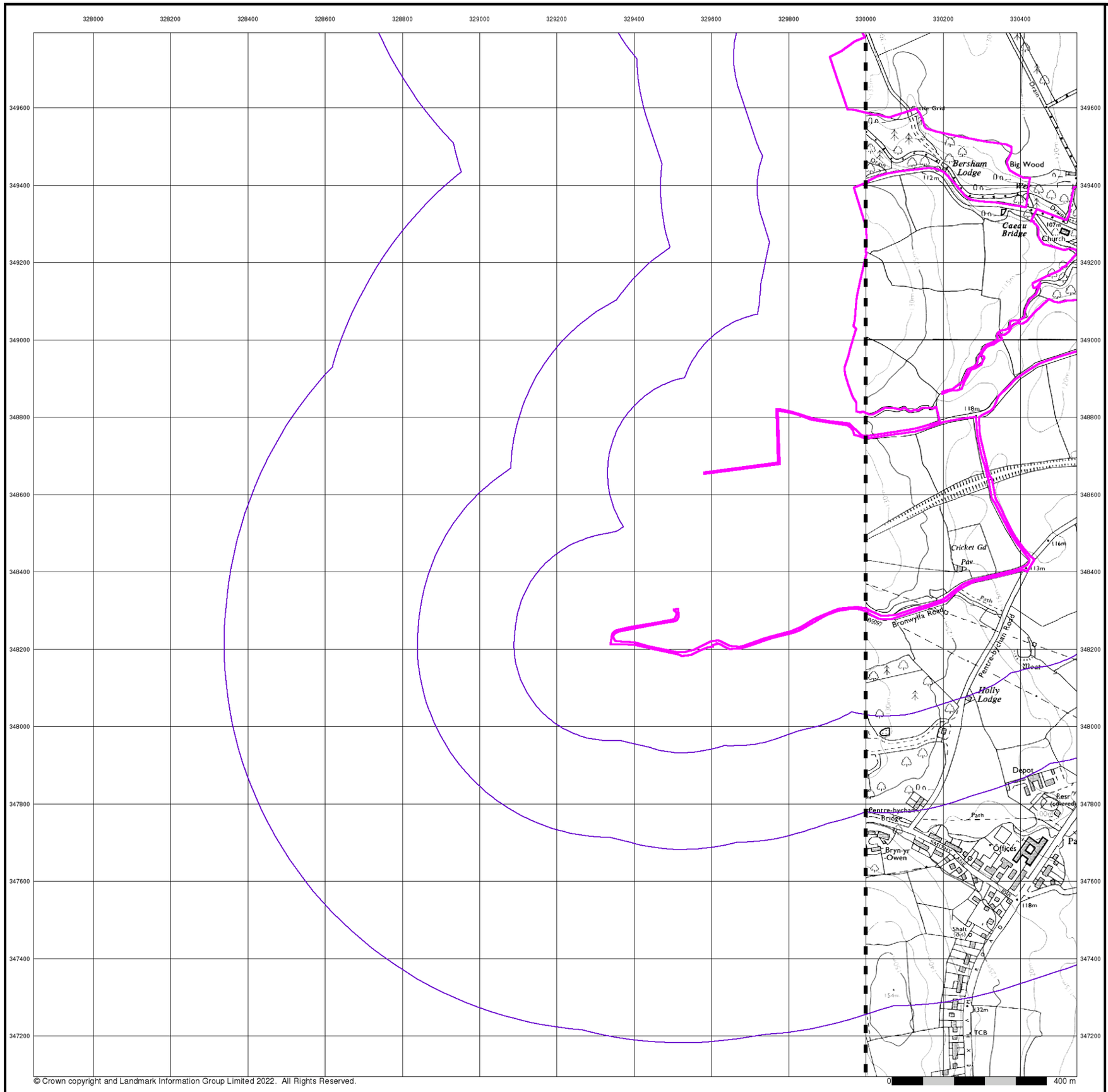

## Order Details

| | |
|---|---|
| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 329550, 348490 |
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| Search Buffer (m): | 1000 |

## Site Details

Site at 330330, 350090

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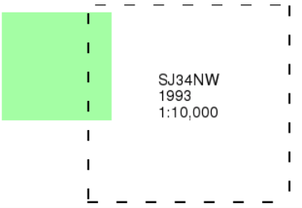
## Ordnance Survey Plan

## Published 1993

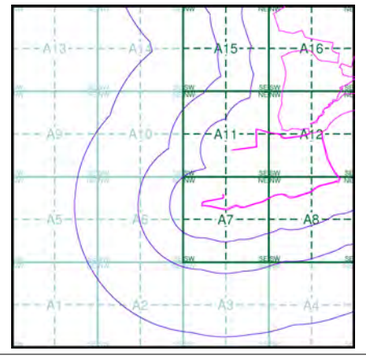
## Source map scale - 1:10,000

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



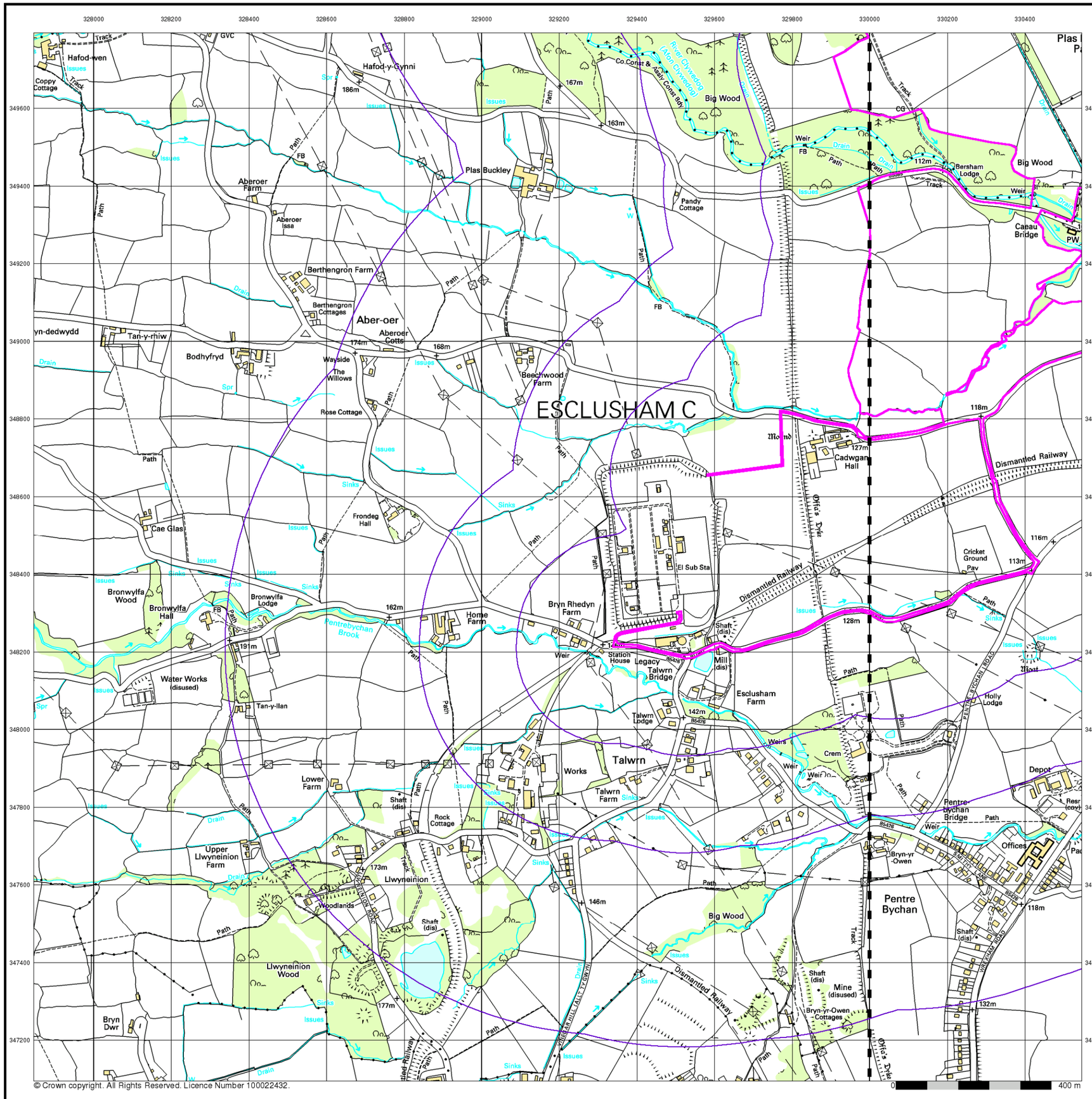

## Order Details

| | |
|---|---|
| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 329550, 348490 |
| Slice: | A |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 1000 |

## Site Details

Site at 330330, 350090

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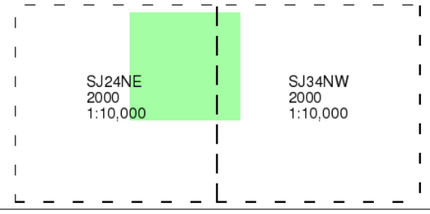
## 10k Raster Mapping

## Published 2000

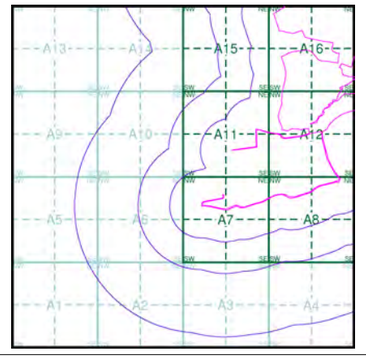
## Source map scale - 1:10,000

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)




## Historical Map - Slice A



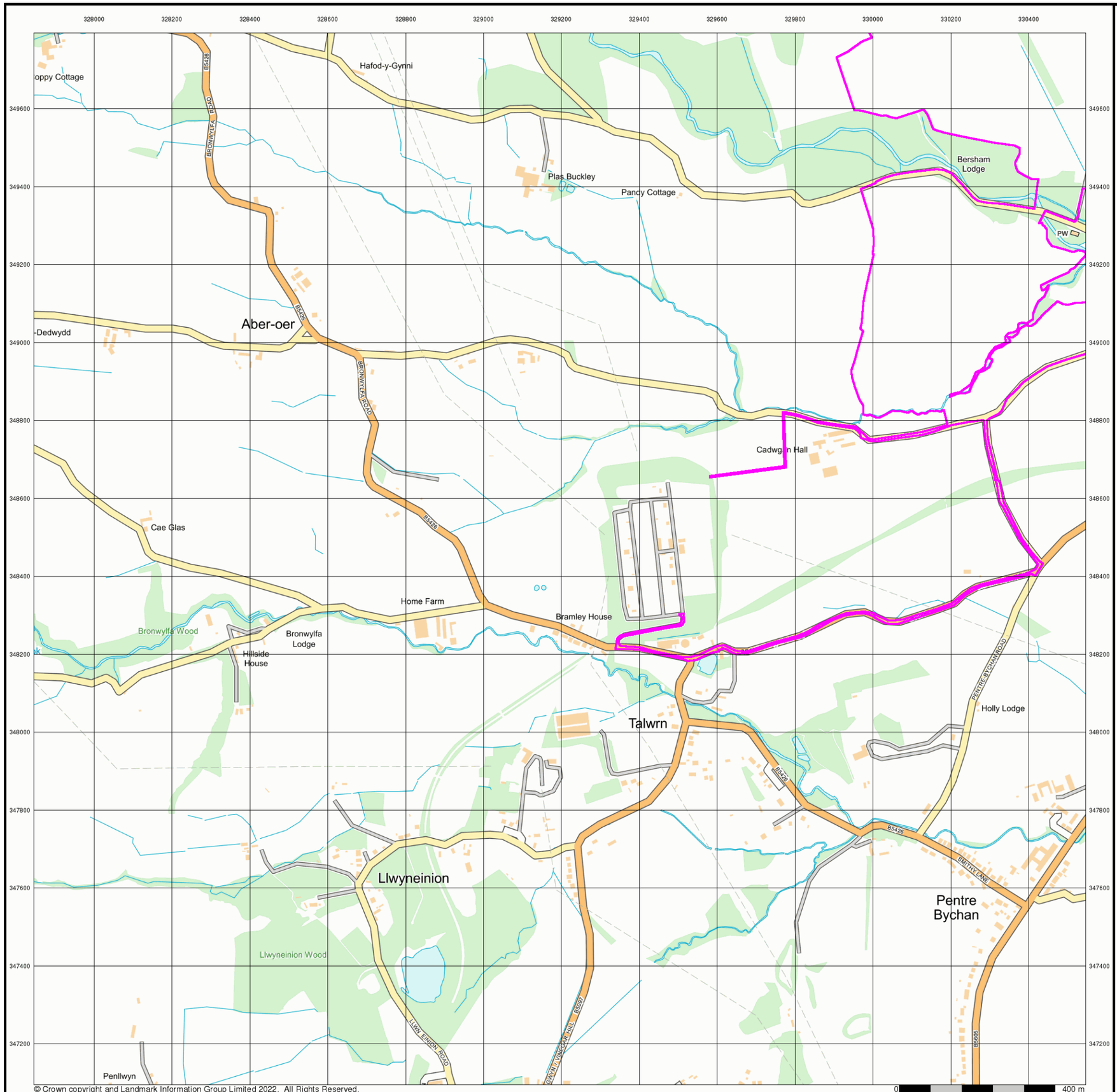

## Order Details

| | |
|---|---|
| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 329550, 348490 |
| Slice: | A |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 1000 |

## Site Details

Site at 330330, 350090

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## Street View

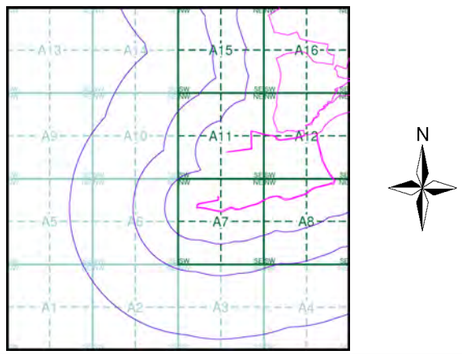
**Published 2022**

**Source map scale - 1:10,000**

Street View is a street-level map for the whole of Great Britain produced by the Ordnance Survey. These maps are provided at a nominal scale of 1:10,000

## Map Name(s) and Date(s)

## Street View Map - Slice A



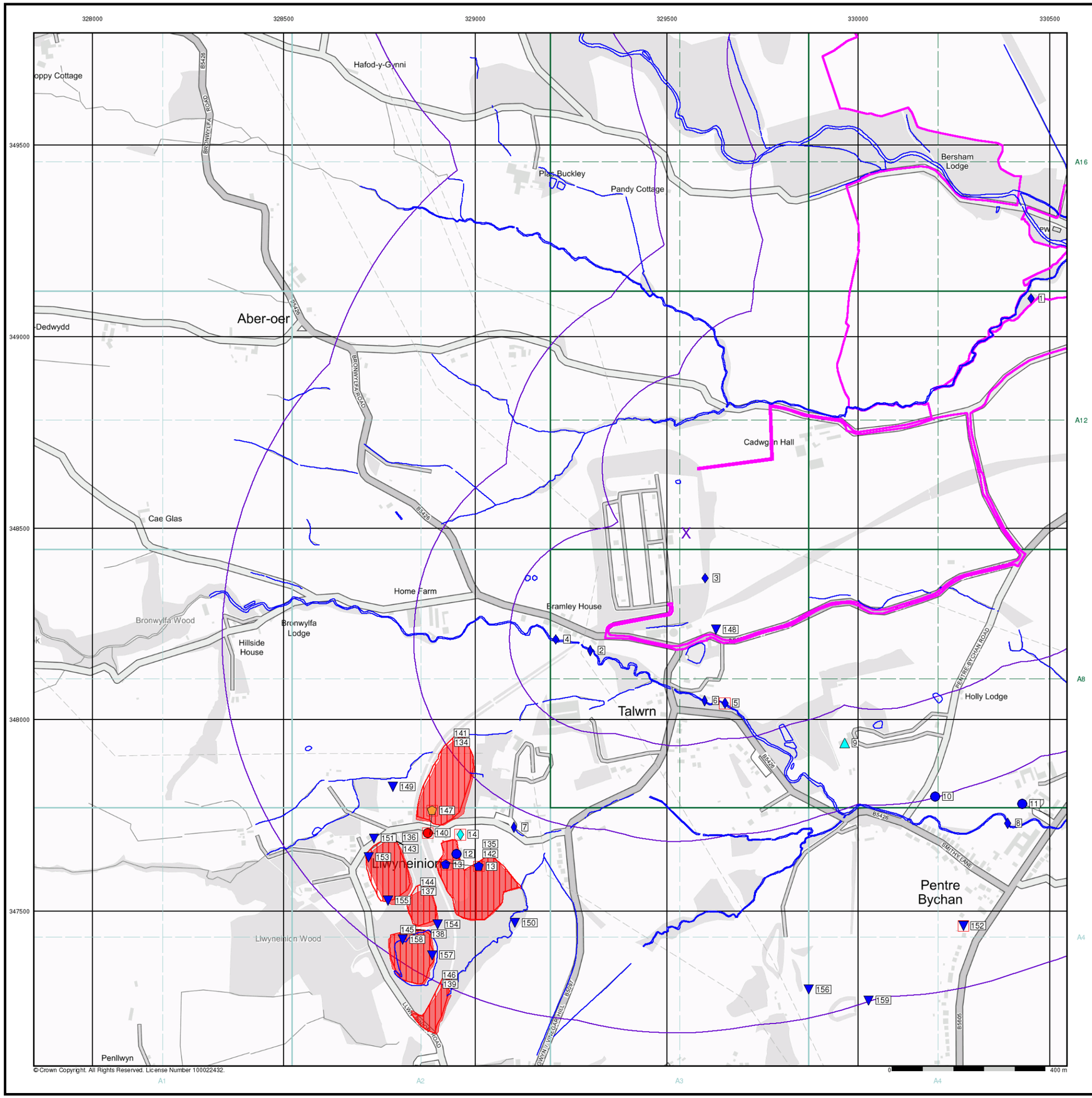

## Order Details

| | |
|---|---|
| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 329550, 348490 |
| Slice: | A |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 1000 |

## Site Details

Site at 330330, 350090

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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

## Geological

- BGS Recorded Mineral Site

## Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

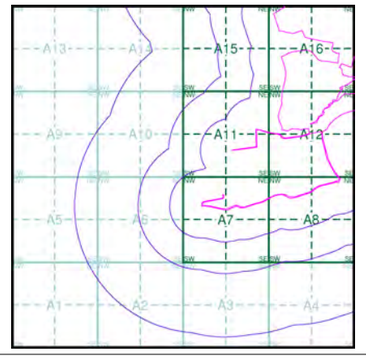
## Waste

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

## Hazardous Substances

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

## Site Sensitivity Map - Slice A




## Order Details

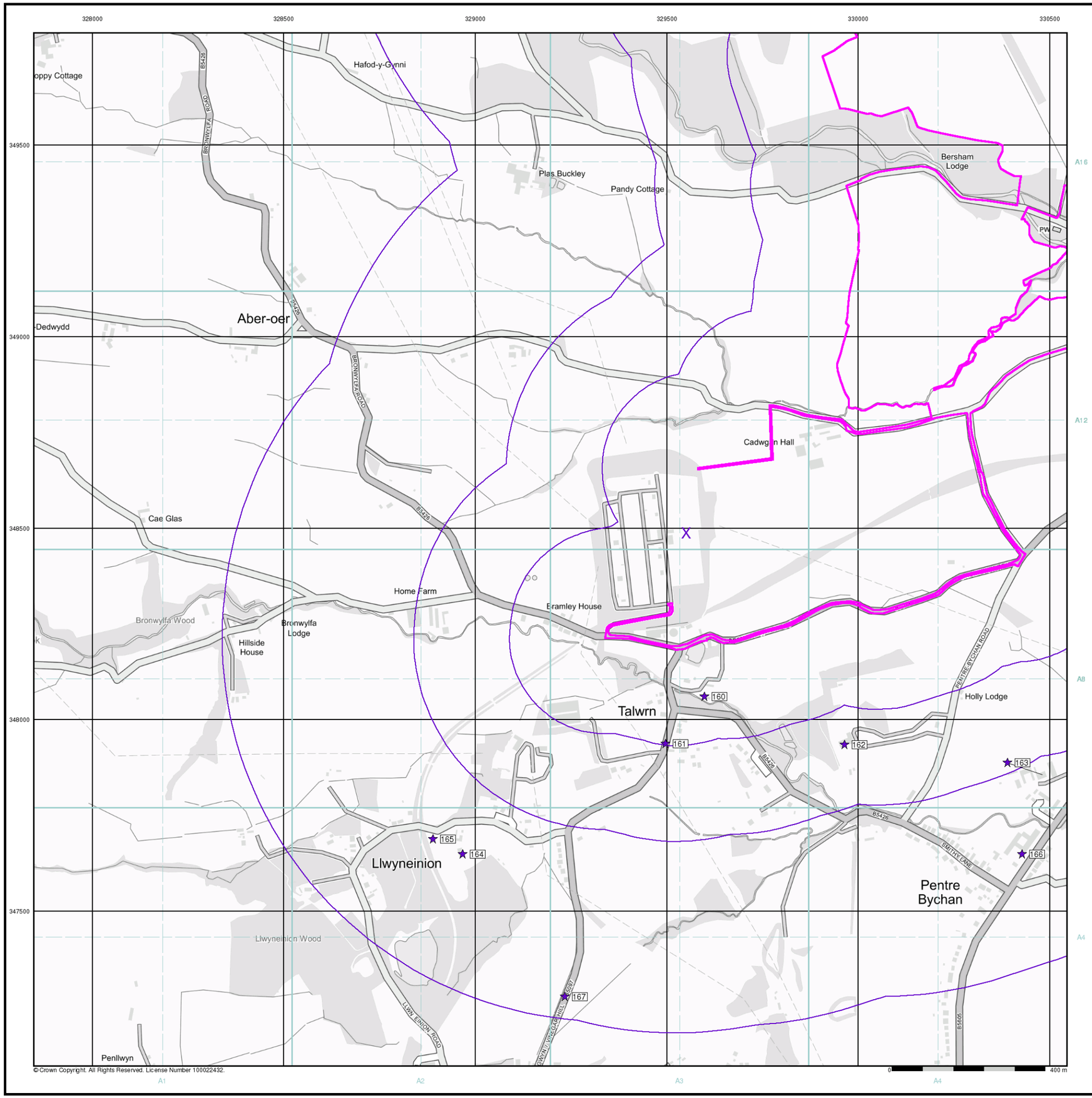
| | |
|---|---|
| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 329550, 348490 |
| Slice: | A |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 1000 |

## Site Details

Site at 330330, 350090


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# Industrial Land Use Map

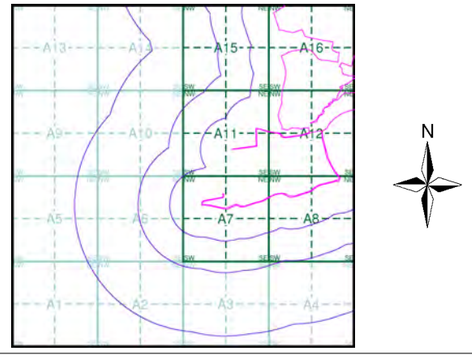
## General

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

## Industrial Land Use

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

## Industrial Land Use Map - Slice A



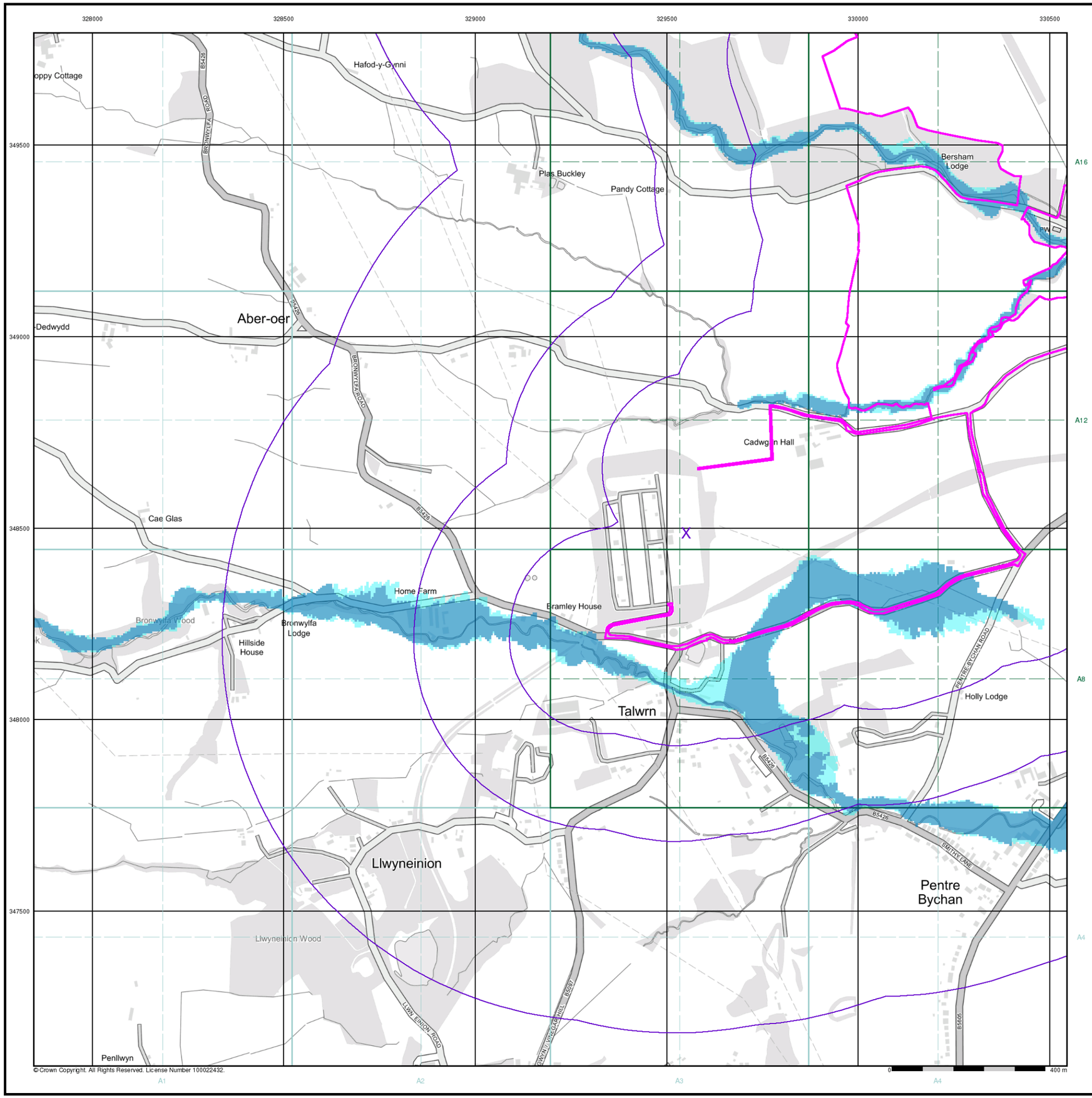

## Order Details

| | |
|---|---|
| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 329550, 348490 |
| Slice: | A |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 1000 |

## Site Details

Site at 330330, 350090

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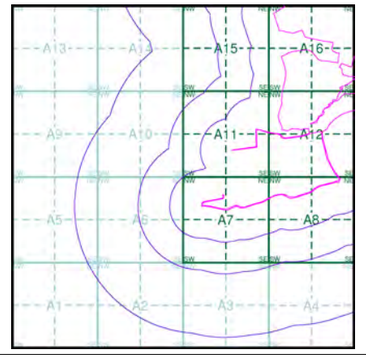

## General

- Specified Site
- Specified Buffer(s)
- X 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



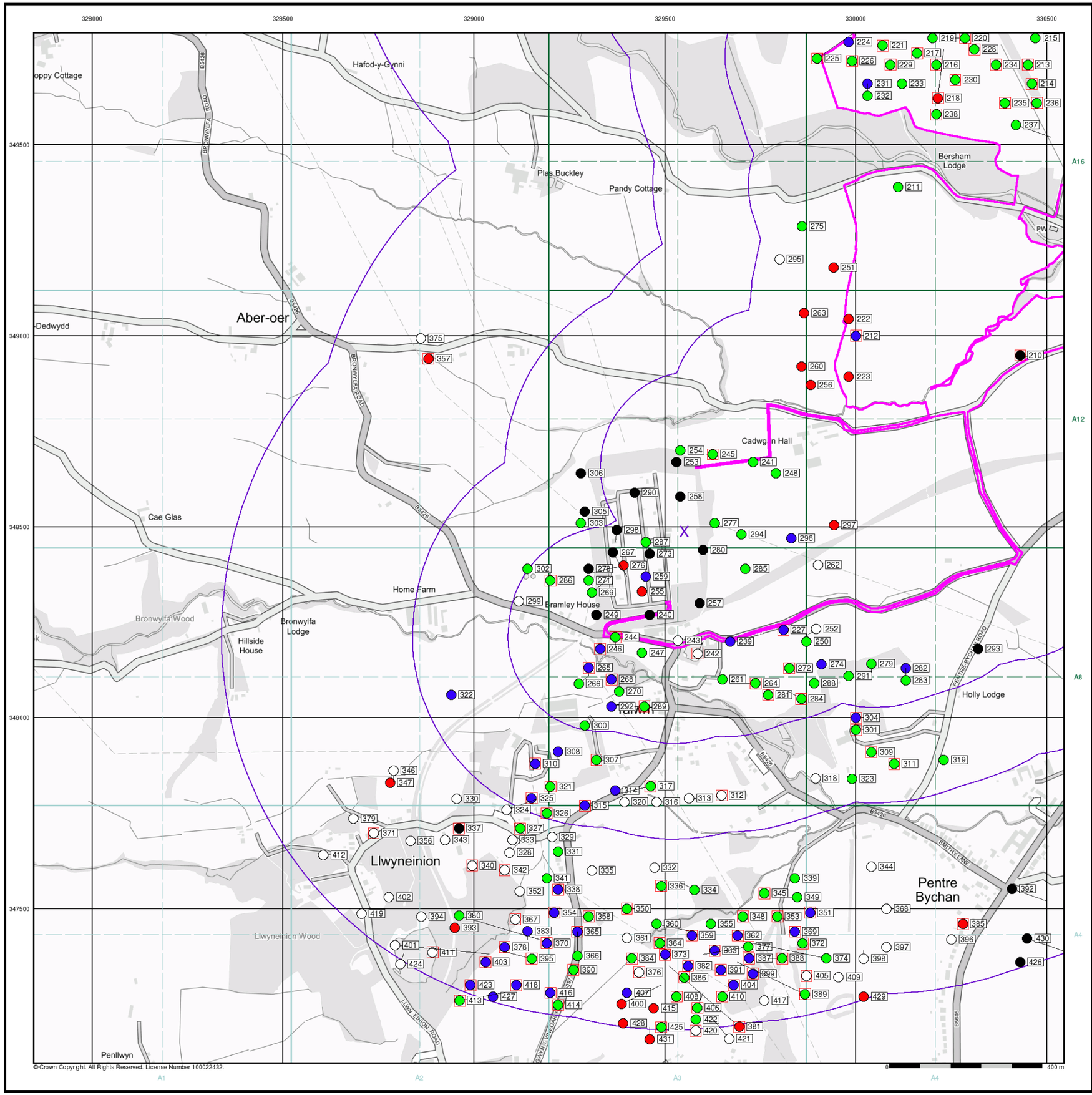

## Order Details

| | |
|---|---|
| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 329550, 348490 |
| Slice: | A |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 1000 |

## Site Details

Site at 330330, 350090

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## General

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

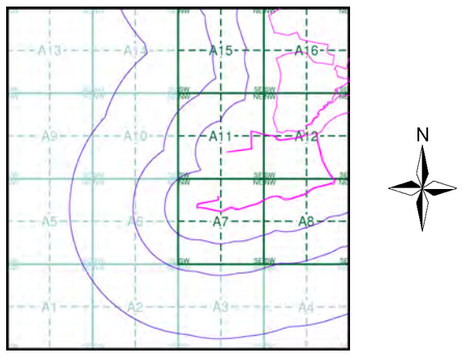
## Agency and Hydrological (Boreholes)

- 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



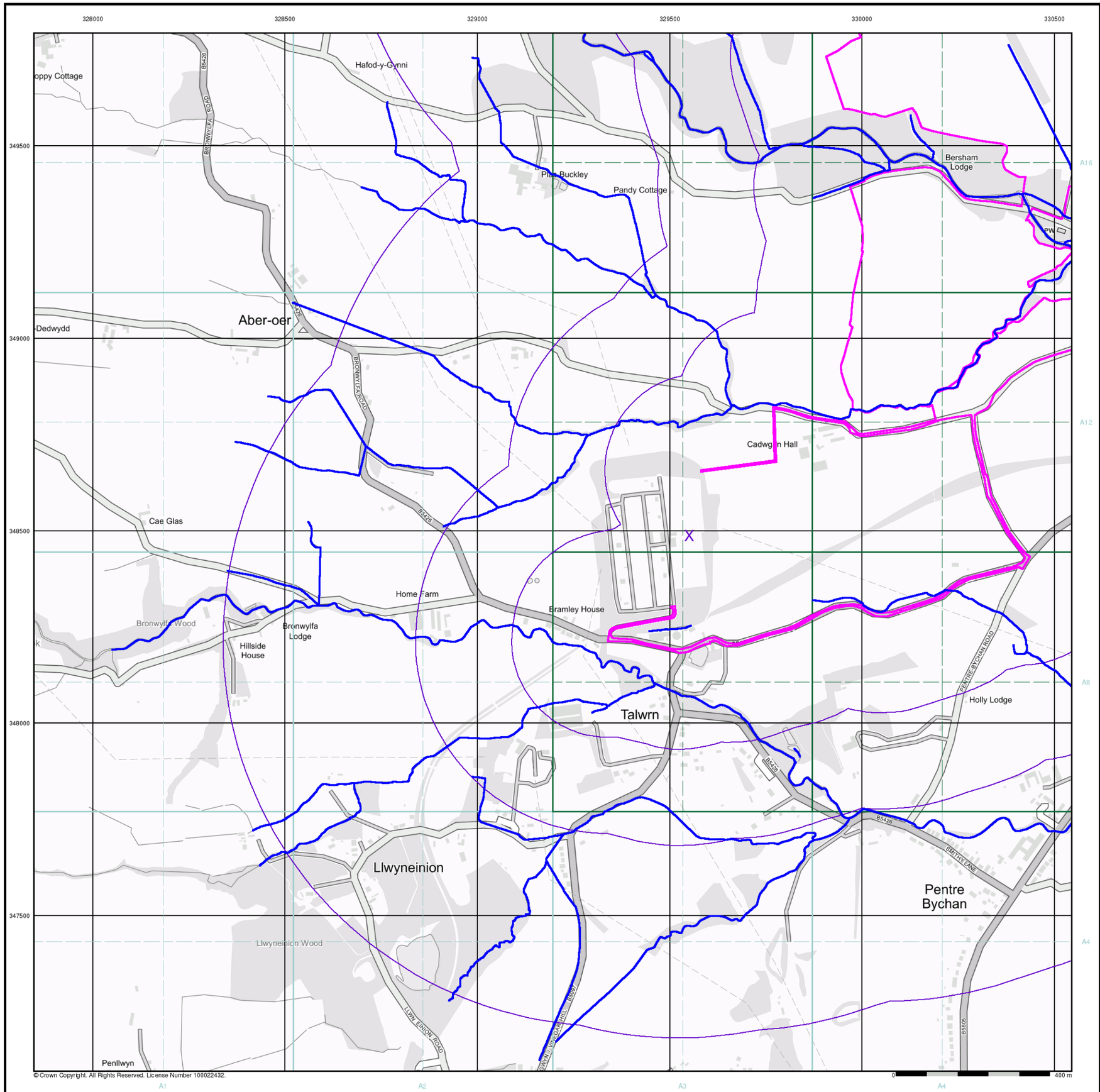

## Order Details

| | |
|---|---|
| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 329550, 348490 |
| Slice: | A |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 1000 |

## Site Details

Site at 330330, 350090

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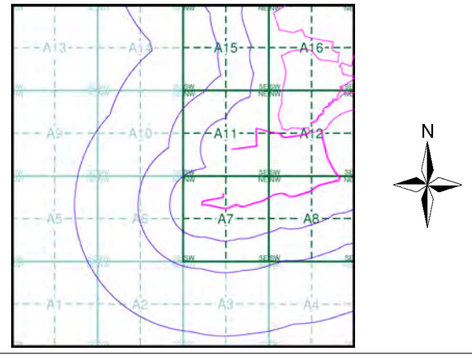
## General

- Specified Site
- Specified Buffer(s)
- X 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

## OS Water Network Map - Slice A




## Order Details

| | |
|---|---|
| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 329550, 348490 |
| Slice: | A |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 1000 |

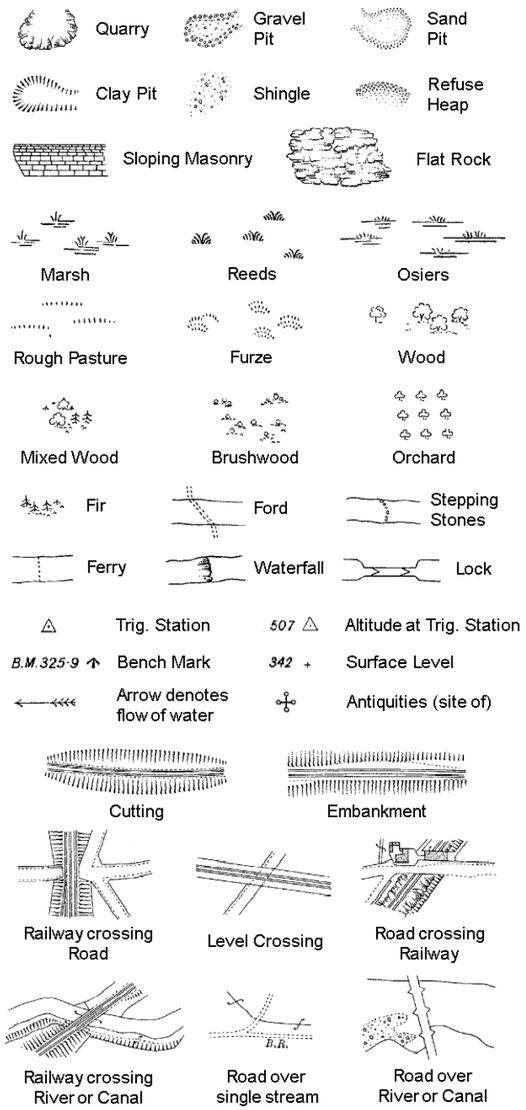
## Site Details

Site at 330330, 350090

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# Historical Mapping Legends

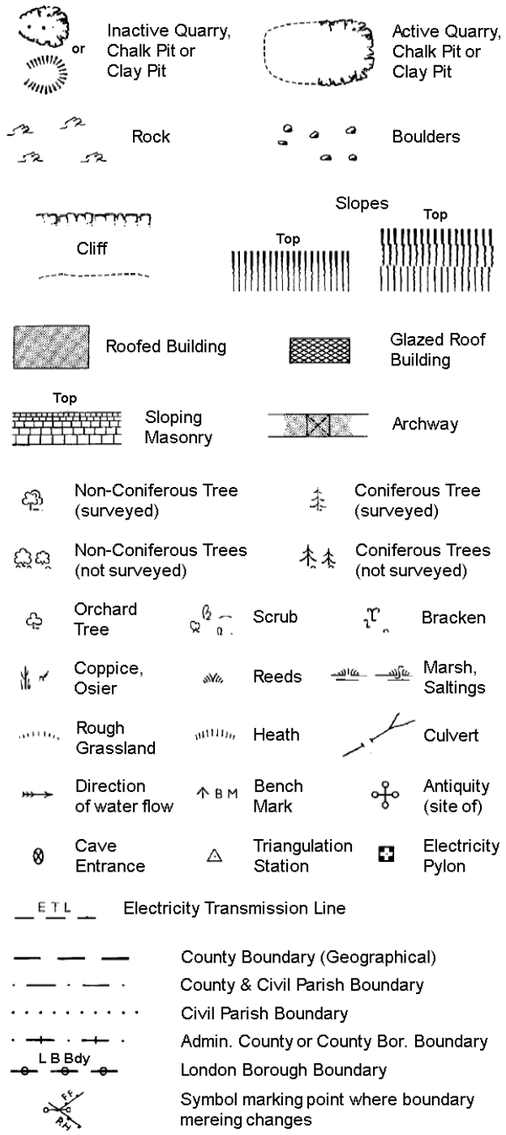
## Ordnance Survey County Series and Ordnance Survey Plan 1:2,500




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 |

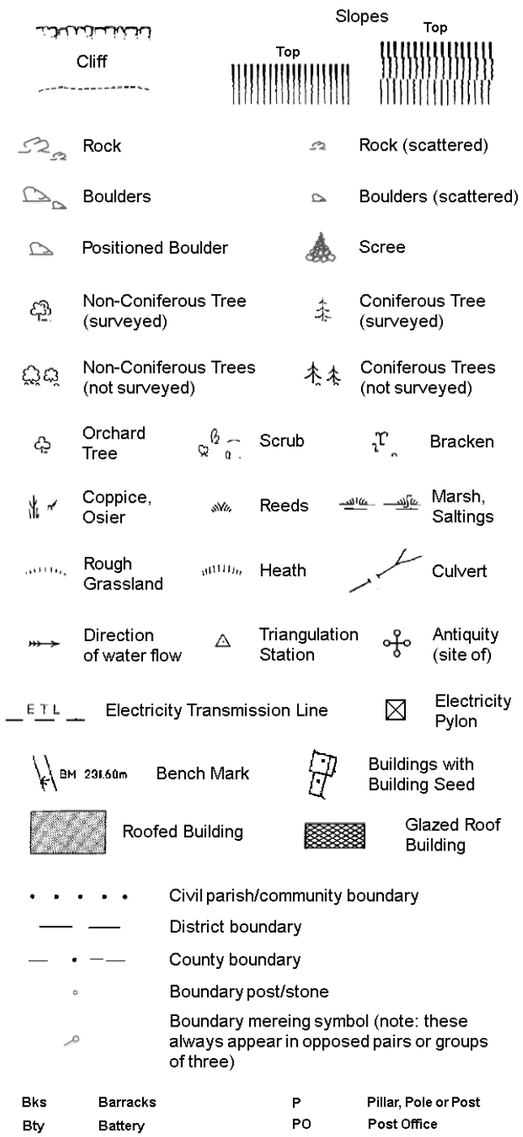
## Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250




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



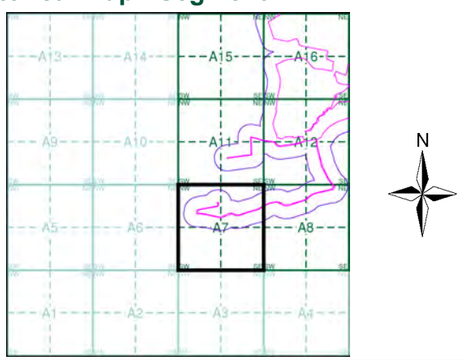

Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

| | | | |
|---|---|---|---|
| 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 |

## Historical Mapping & Photography included:

| Mapping Type | Scale | Date | Pg |
|---|---|---|---|
| Denbighshire | 1:2,500 | 1873 | 2 |
| Denbighshire | 1:2,500 | 1899 | 3 |
| Denbighshire | 1:2,500 | 1912 | 4 |
| Ordnance Survey Plan | 1:2,500 | 1963 | 5 |
| Additional SIMs | 1:2,500 | 1963 | 6 |
| Additional SIMs | 1:2,500 | 1988 | 7 |
| Large-Scale National Grid Data | 1:2,500 | 1993 | 8 |

## Historical Map - Segment A7



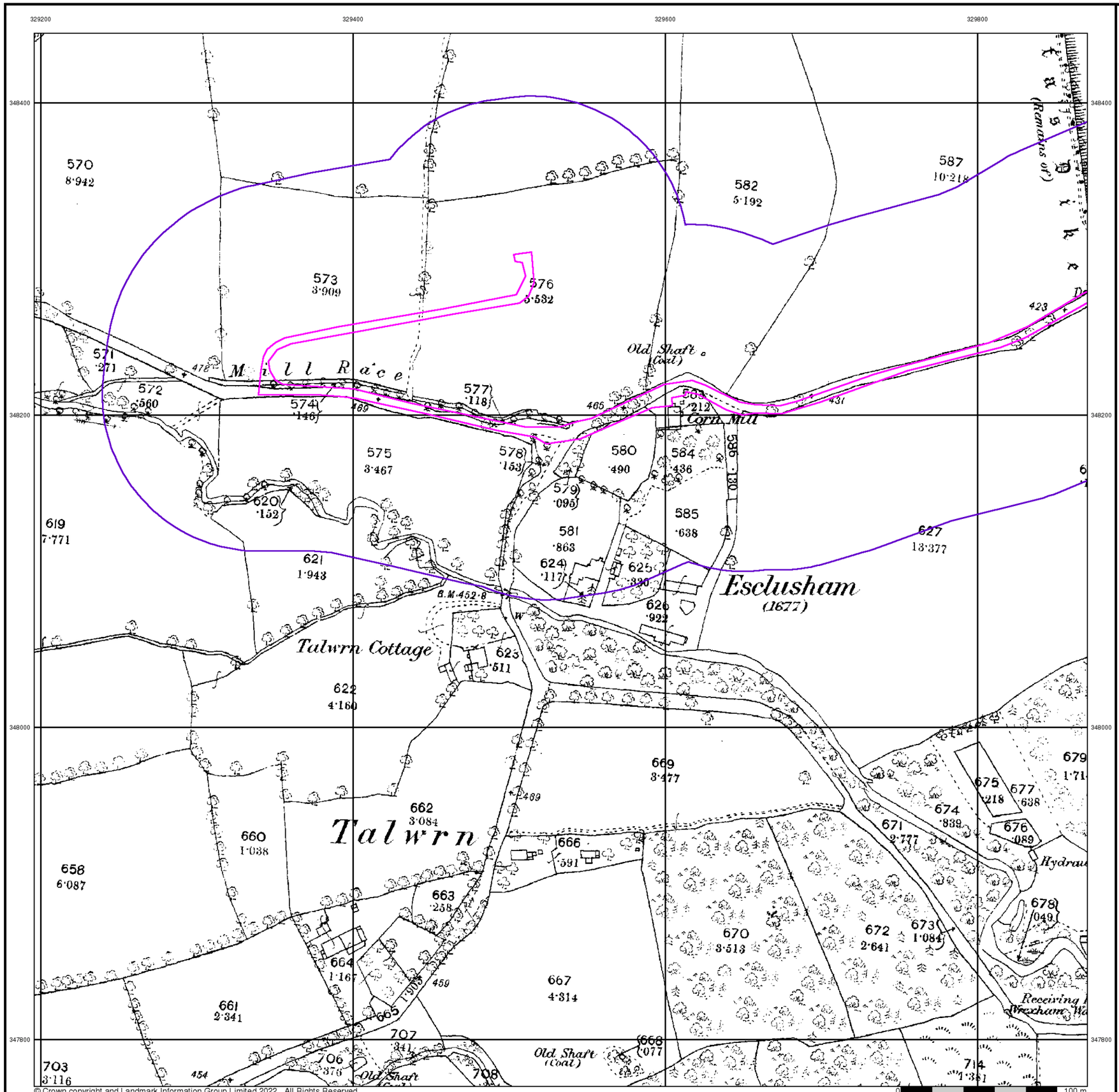

## Order Details

Order Number: 291151542_1_1
Customer Ref: JER8537
National Grid Reference: 329550, 348490
Slice: A
Site Area (Ha): 145.64
Search Buffer (m): 100

## Site Details

Site at 330330, 350090


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0 100 m

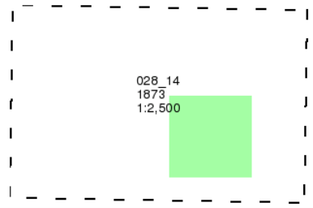
# Denbighshire

## Published 1873

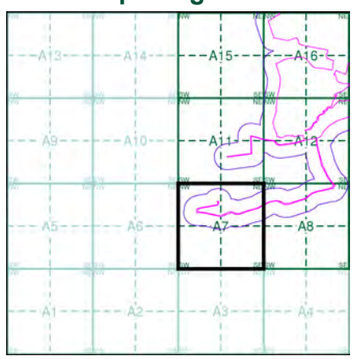
## Source map scale - 1:2,500

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 A7



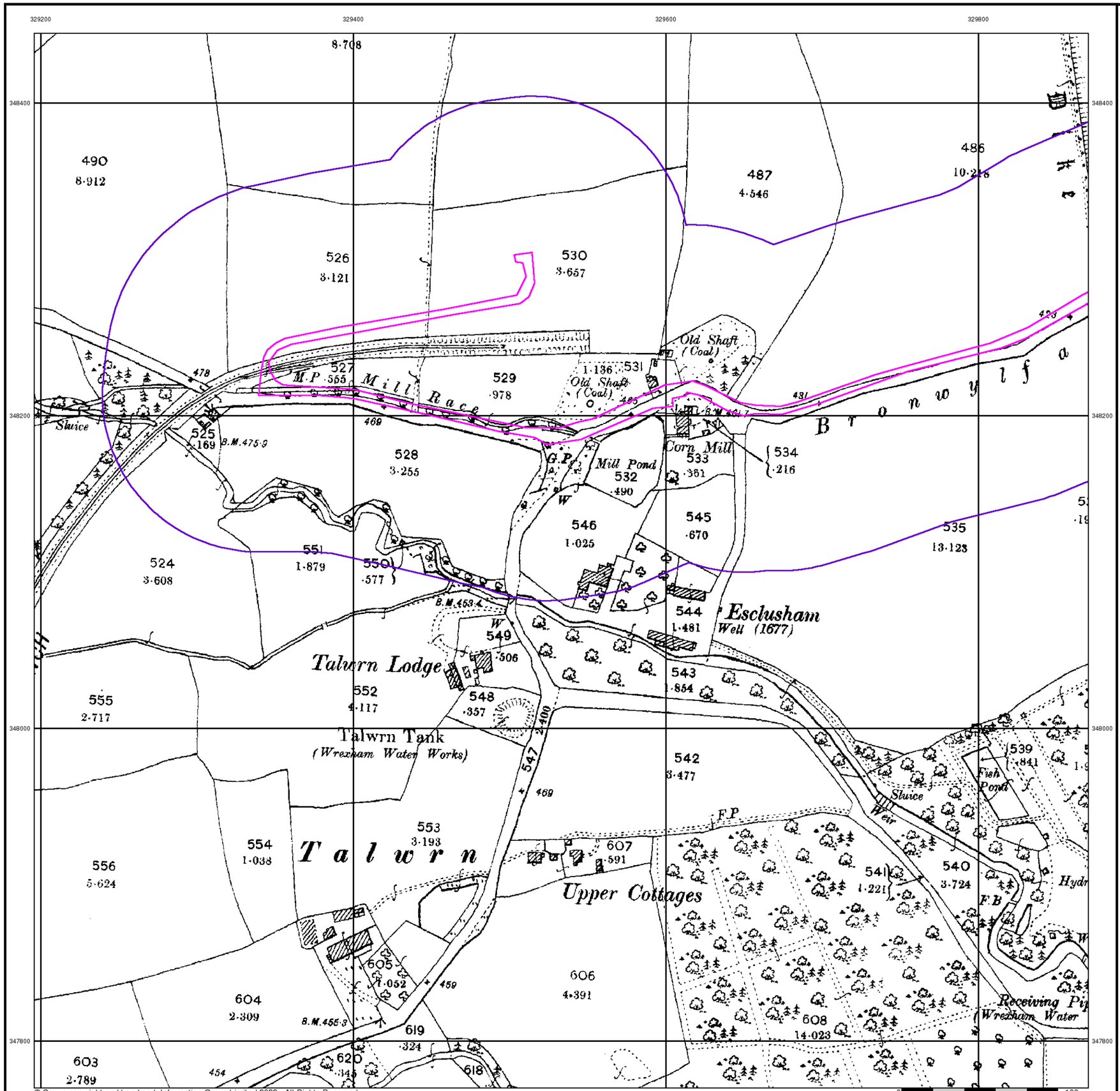

## Order Details

| | |
|---|---|
| Order Number: | 291151542_1_1 |
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| Slice: | A |
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## Site Details

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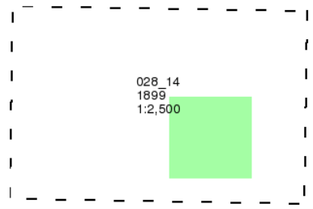
## Denbighshire

## Published 1899

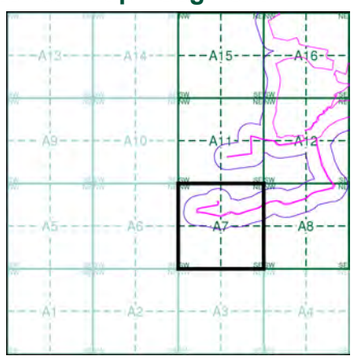
## Source map scale - 1:2,500

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 A7



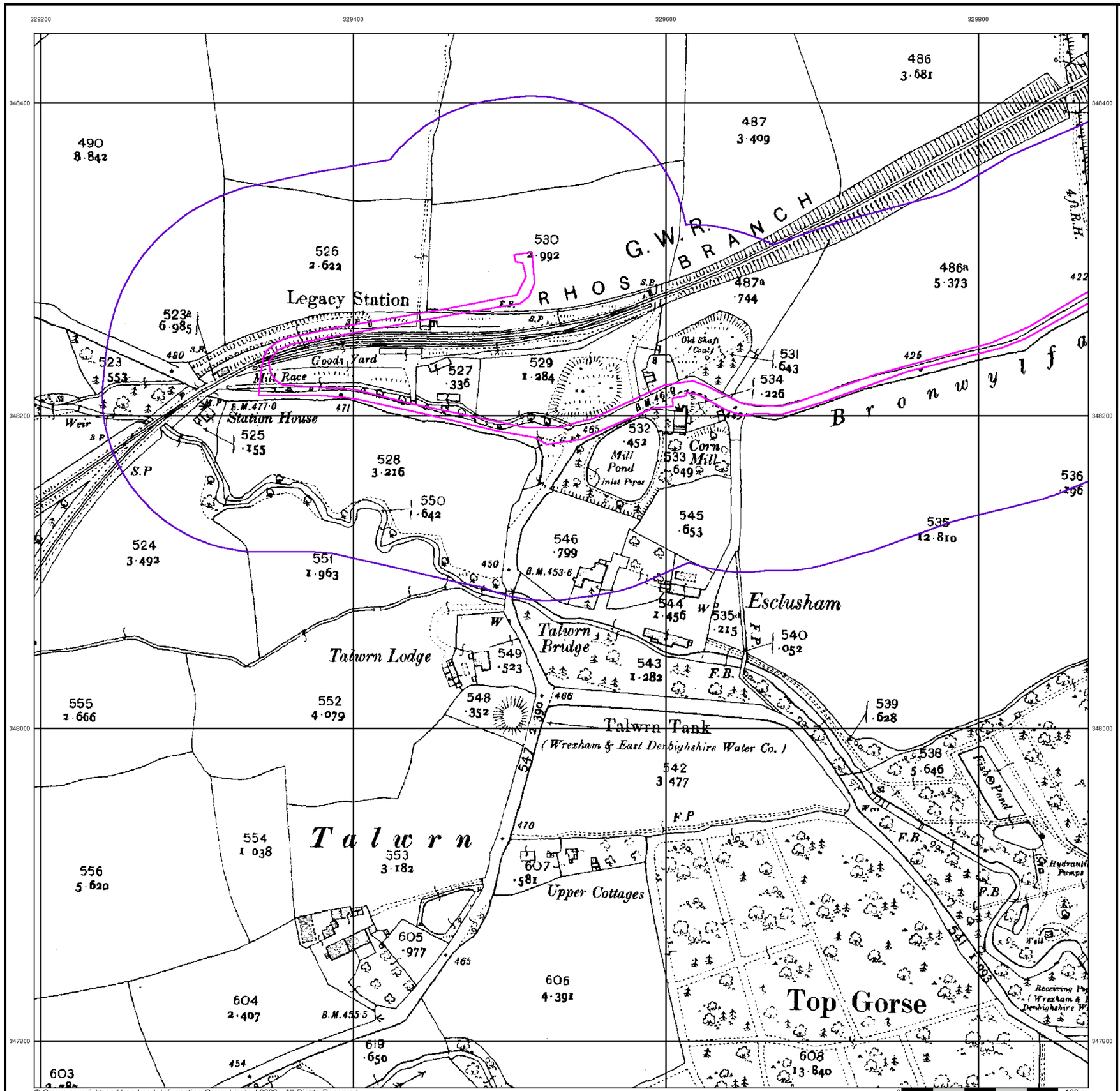

### Order Details

| | |
|---|---|
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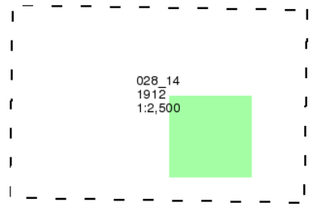

## Denbighshire

## Published 1912

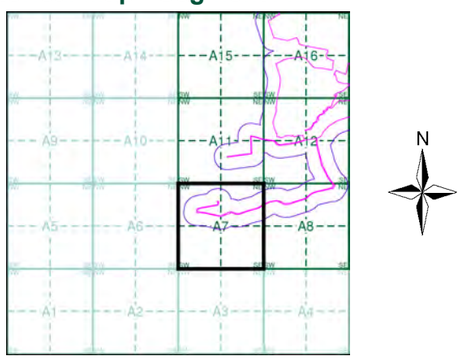
## Source map scale - 1:2,500

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 A7



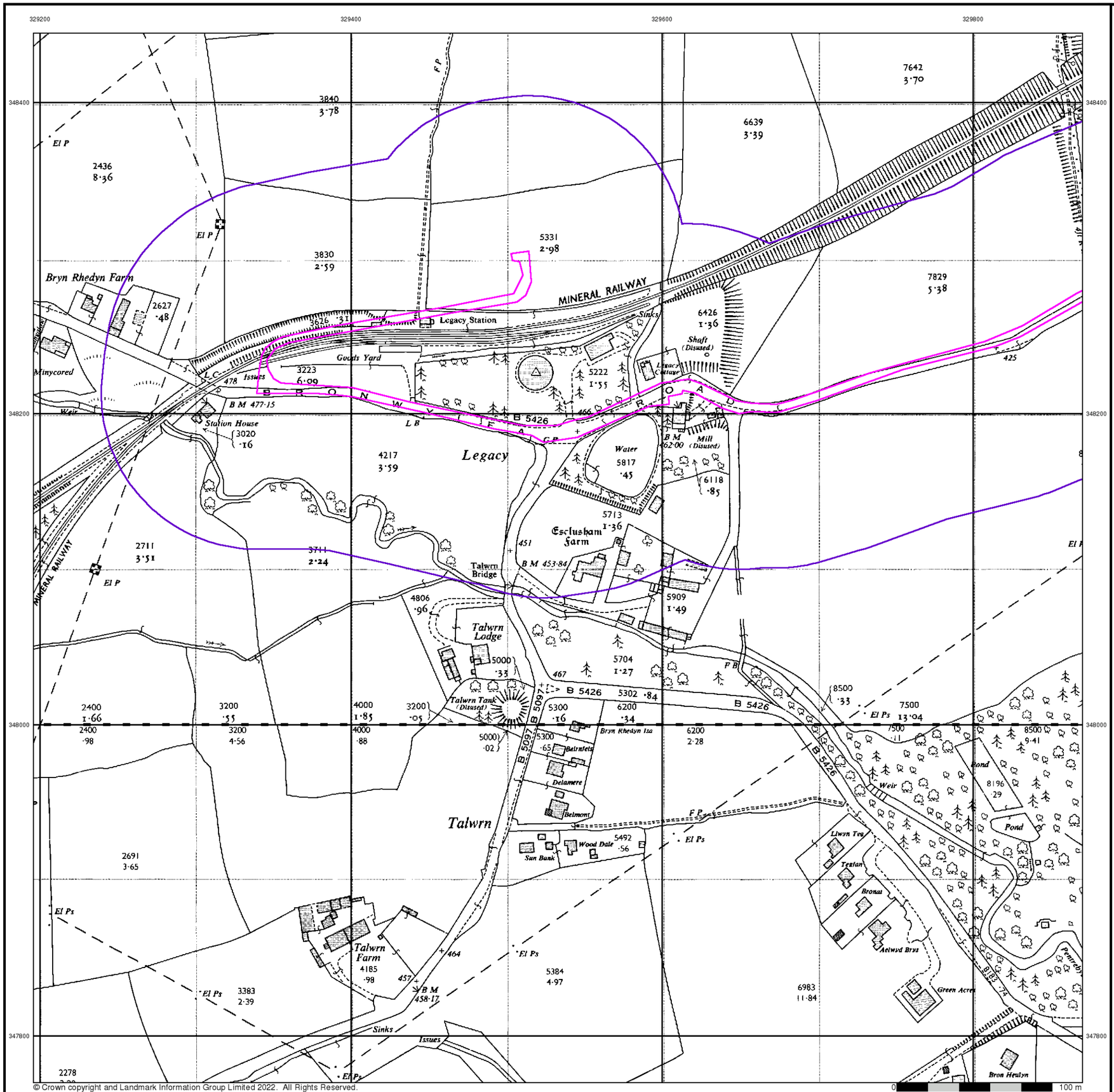

## Order Details

| | |
|---|---|
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| Customer Ref: | JER8537 |
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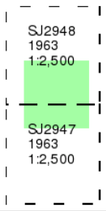

# Ordnance Survey Plan

## Published 1963

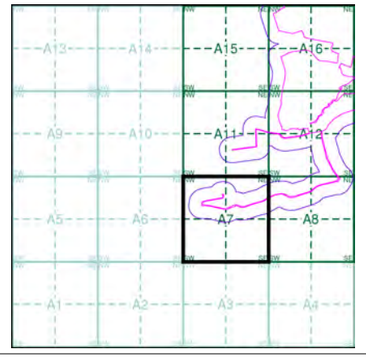
## Source map scale - 1:2,500

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)




## Historical Map - Segment A7



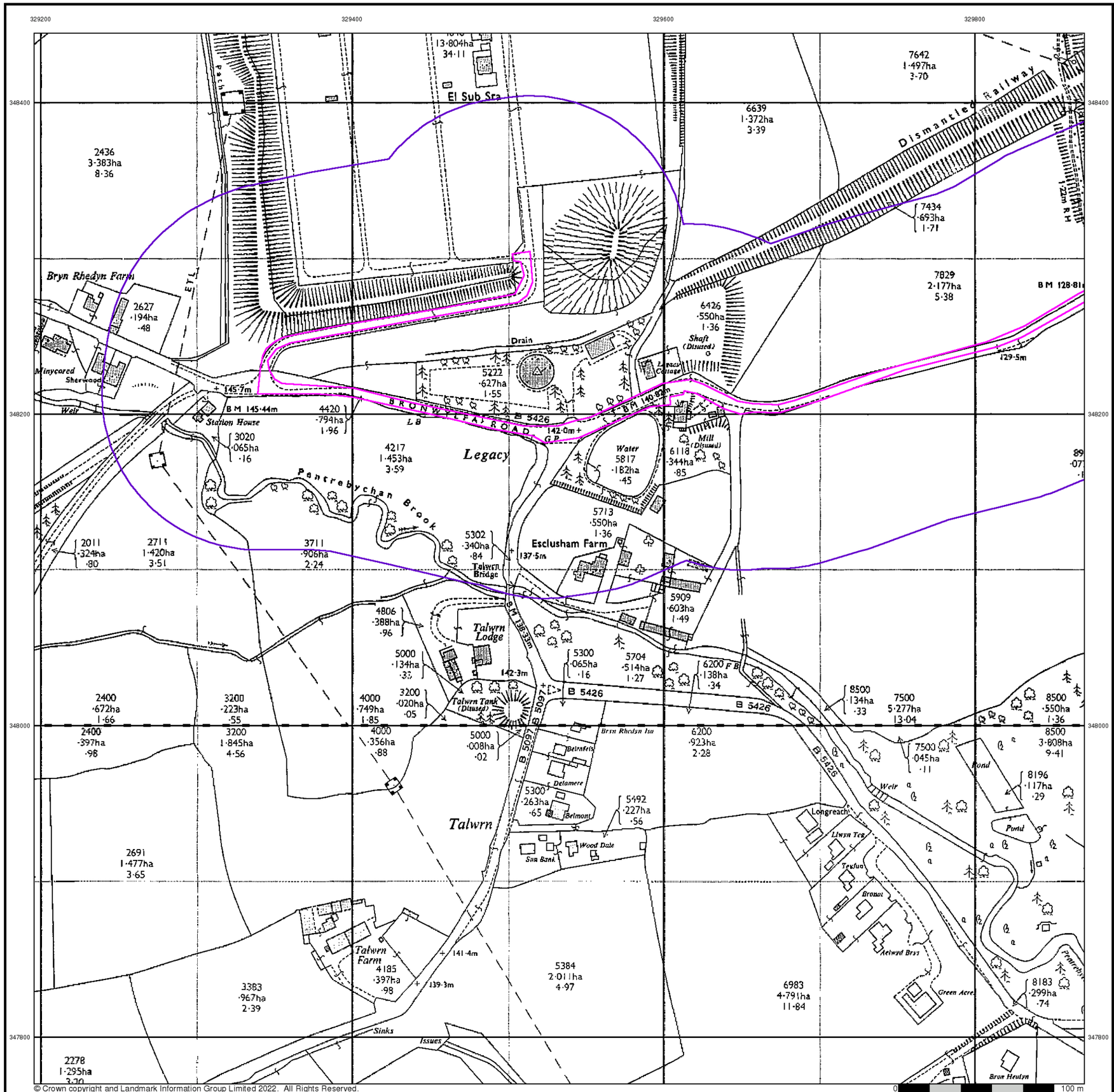

## Order Details

| | |
|---|---|
| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 329550, 348490 |
| Slice: | A |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 100 |

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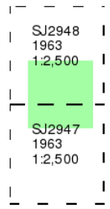
## Additional SIMs

**Published 1963**

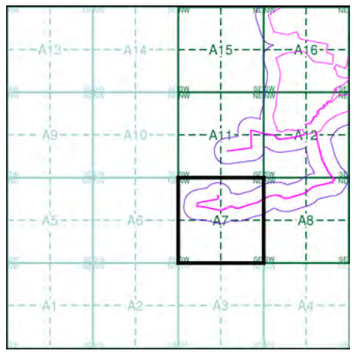
**Source map scale - 1:2,500**

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 A7



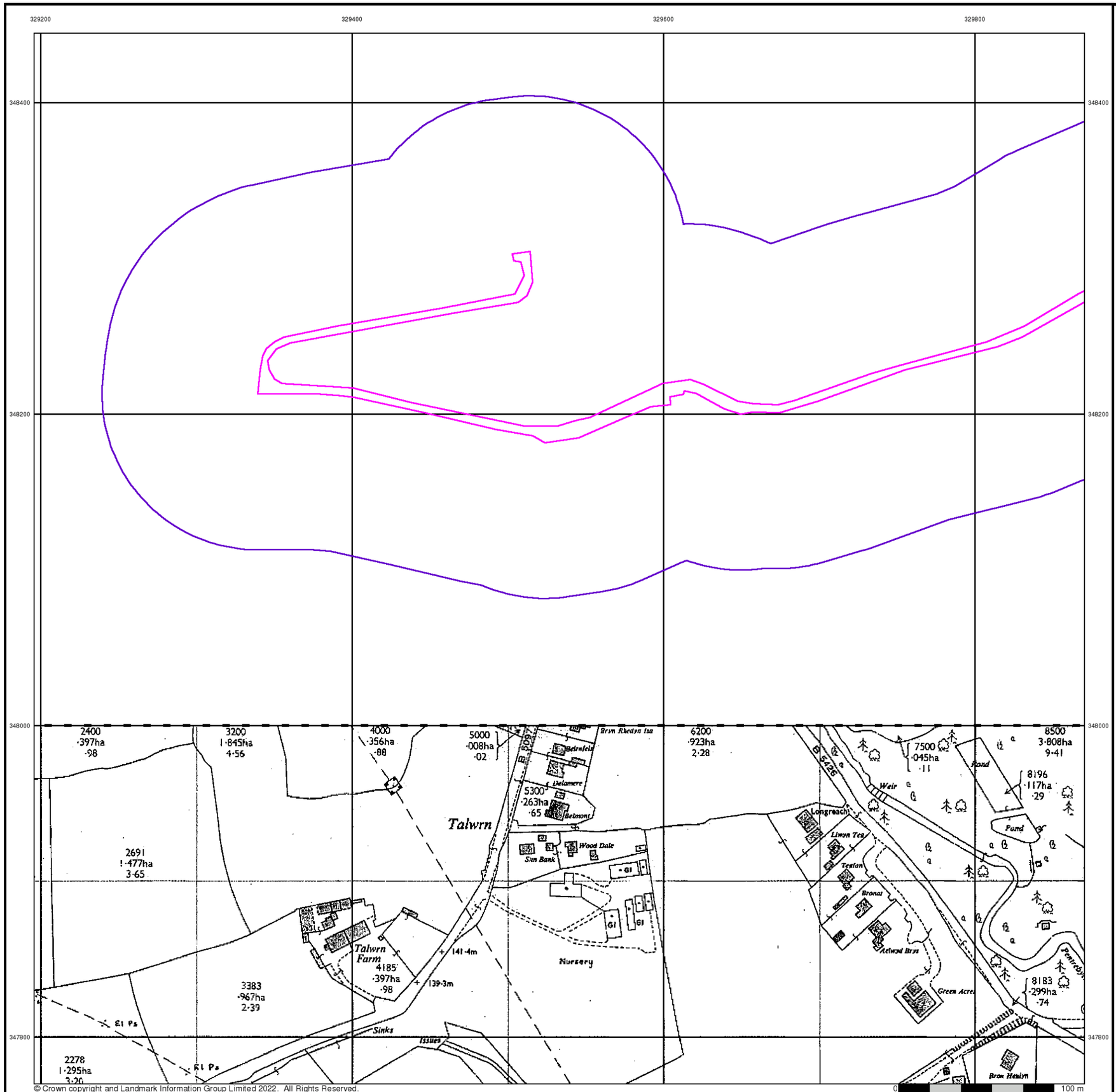

## Order Details

| | |
|---|---|
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| Customer Ref: | JER8537 |
| National Grid Reference: | 329550, 348490 |
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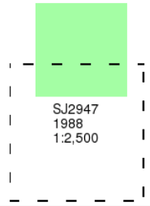
## Additional SIMs

**Published 1988**

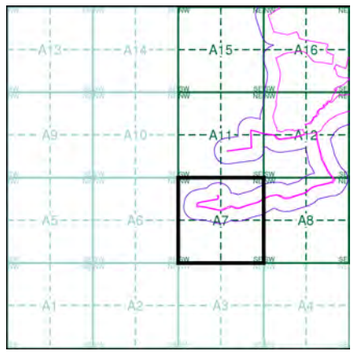
**Source map scale - 1:2,500**

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 A7



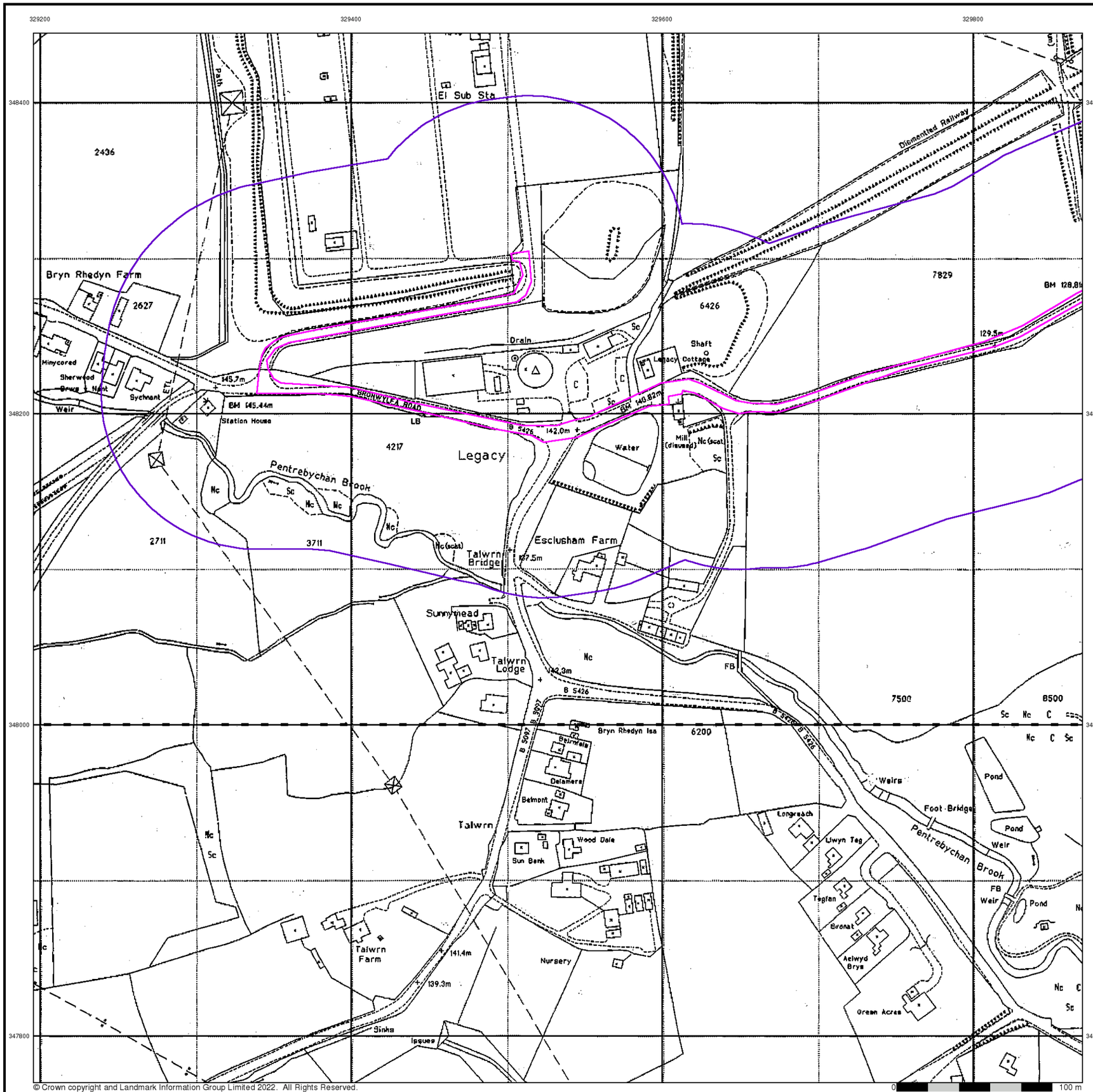

## Order Details

| | |
|---|---|
| Order Number: | 291151542_1_1 |
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| National Grid Reference: | 329550, 348490 |
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| Site Area (Ha): | 145.64 |
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## Site Details

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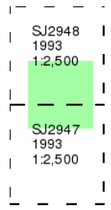
## Large-Scale National Grid Data

**Published 1993**

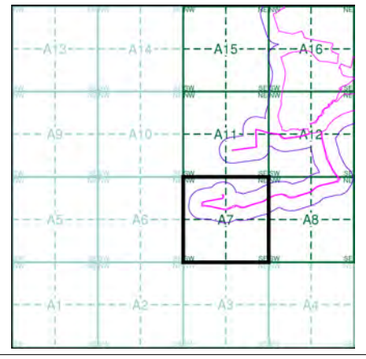
**Source map scale - 1:2,500**

'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)




## Historical Map - Segment A7




## Order Details

| | |
|---|---|
| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 329550, 348490 |
| Slice: | A |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 100 |

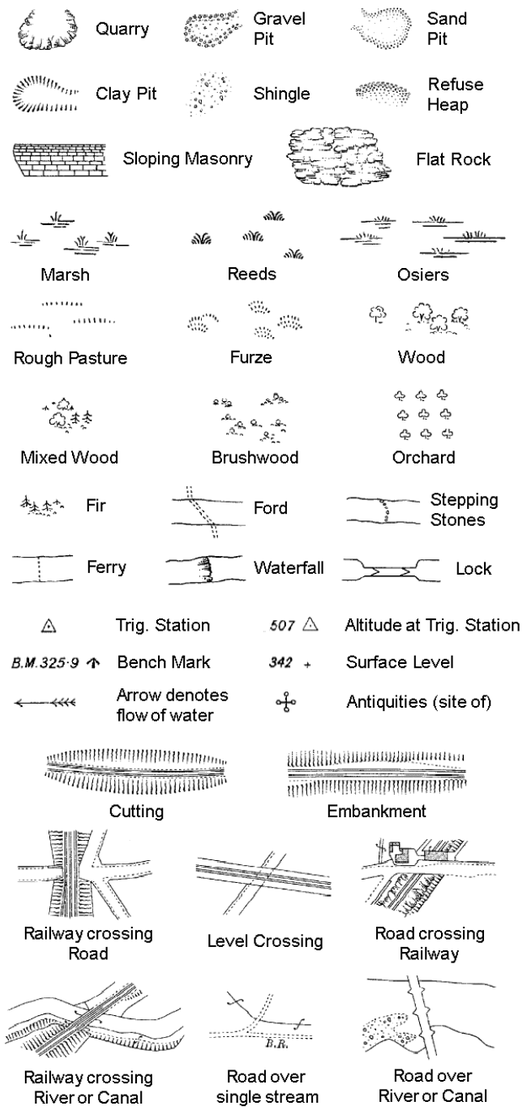
## Site Details

Site at 330330, 350090

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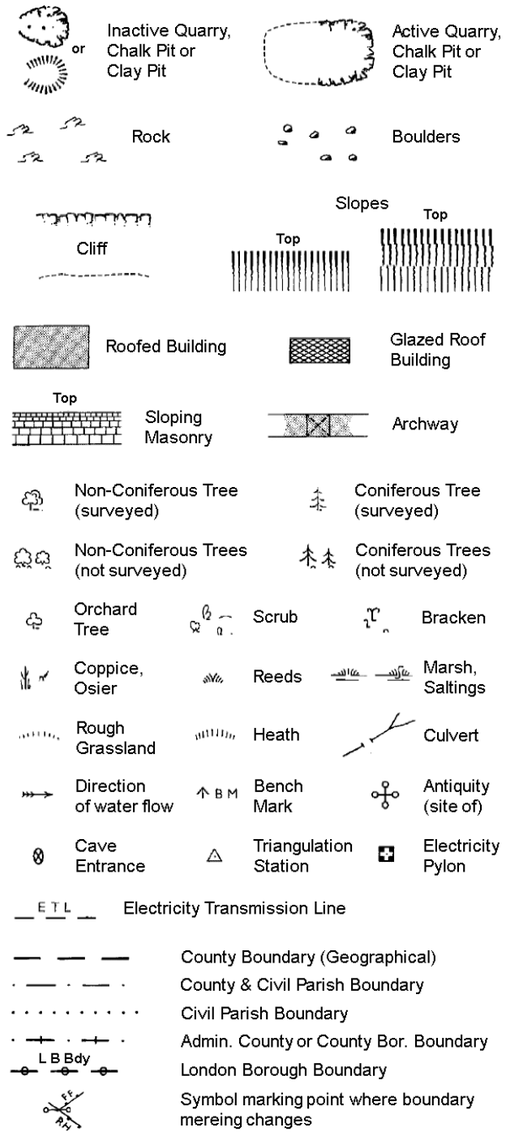
# Historical Mapping Legends

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



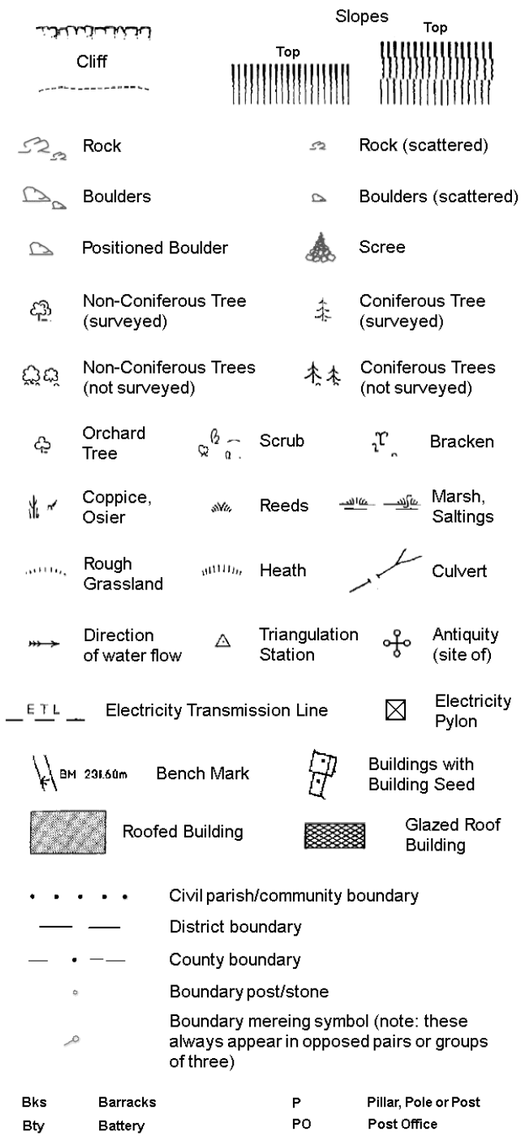

| | | | |
|---|---|---|---|
| B P B S | Boundary Post or Stone | P.C.B | Police Call Box |
| B.R. | Bridle Road | P | Pump |
| E.P | Electricity Pylon | S.P | Signal Post |
| F.B. | Foot Bridge | St. | Sluice |
| F.P. | Foot Path | Sp. | Spring |
| G.P | Guide Post or Board | T.C.B | Telephone Call Box |
| 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




| | | | |
|---|---|---|---|
| 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

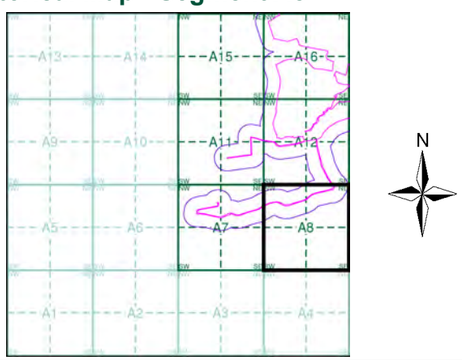



| | | | |
|---|---|---|---|
| Bks | Barracks | P | Pillar, Pole or Post |
| Bty | Battery | PO | Post Office |
| Cemy | Cemetery | PC | Public Convenience |
| Chy | Chimney | Pp | Pump |
| Cis | Cistern | Ppg Sta | Pumping Station |
| Dismtd Rly | Dismantled Railway | PW | Place of Worship |
| El Gen 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 |

## Historical Mapping & Photography included:

| Mapping Type | Scale | Date | Pg |
|---|---|---|---|
| Denbighshire | 1:2,500 | 1872 - 1873 | 2 |
| Denbighshire | 1:2,500 | 1899 | 3 |
| Denbighshire | 1:2,500 | 1912 | 4 |
| Ordnance Survey Plan | 1:2,500 | 1961 - 1967 | 5 |
| Additional SIMs | 1:2,500 | 1961 - 1967 | 6 |
| Ordnance Survey Plan | 1:2,500 | 1967 | 7 |
| Additional SIMs | 1:2,500 | 1981 - 1988 | 8 |
| Ordnance Survey Plan | 1:2,500 | 1984 | 9 |
| Large-Scale National Grid Data | 1:2,500 | 1992 - 1993 | 10 |
| Large-Scale National Grid Data | 1:2,500 | 1994 | 11 |

## Historical Map - Segment A8



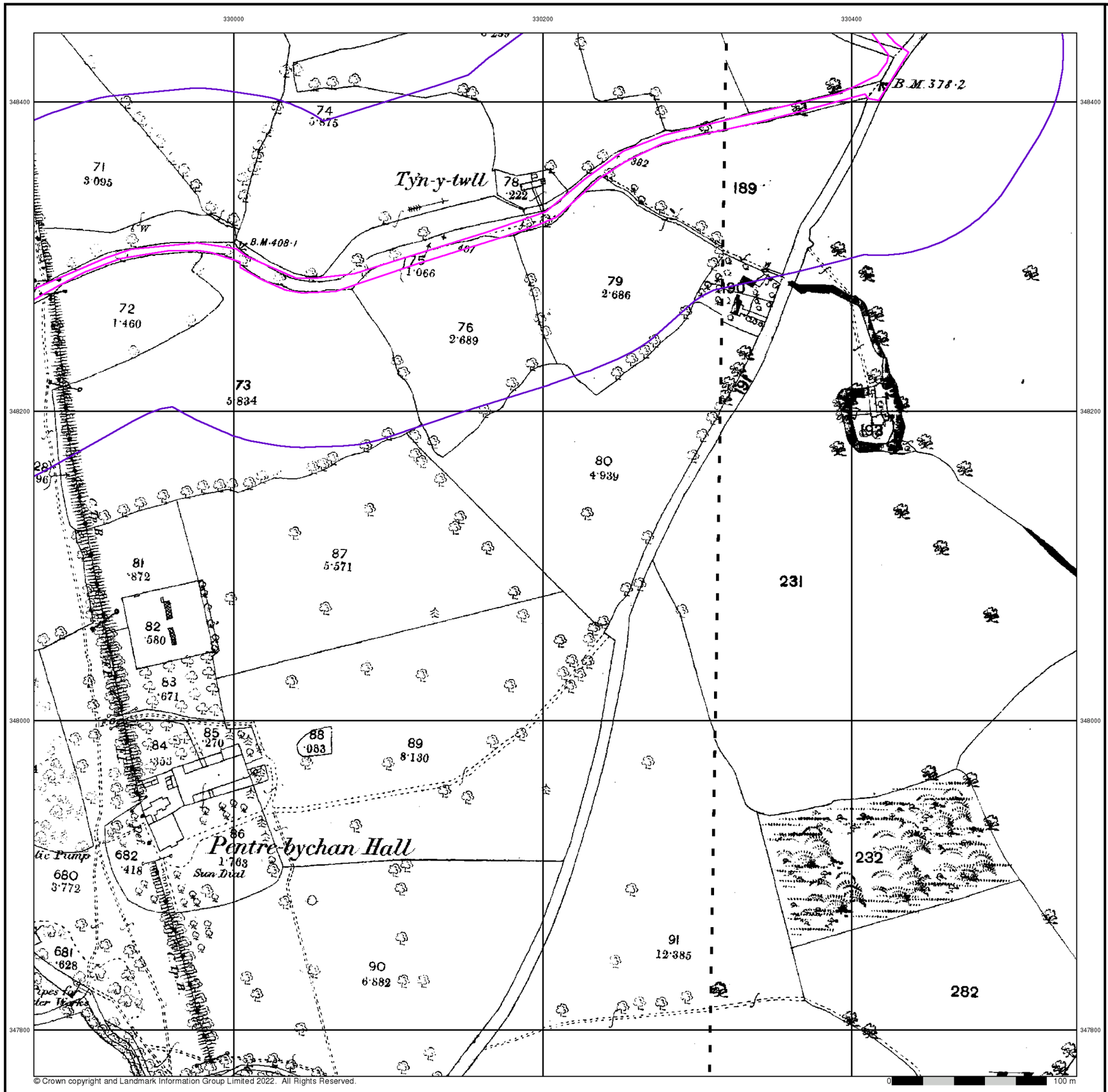

## Order Details

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Customer Ref: JER8537
National Grid Reference: 329550, 348490
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Site Area (Ha): 145.64
Search Buffer (m): 100

## Site Details

Site at 330330, 350090


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0 100 m

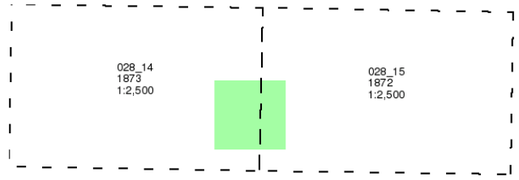
## Denbighshire

## Published 1872 - 1873

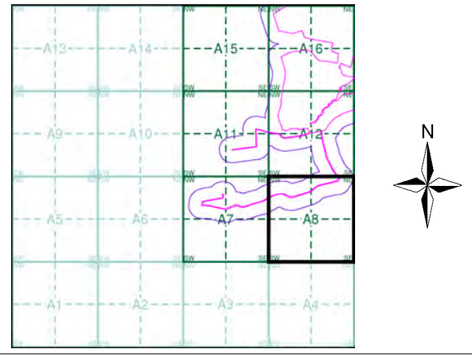
## Source map scale - 1:2,500

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 A8



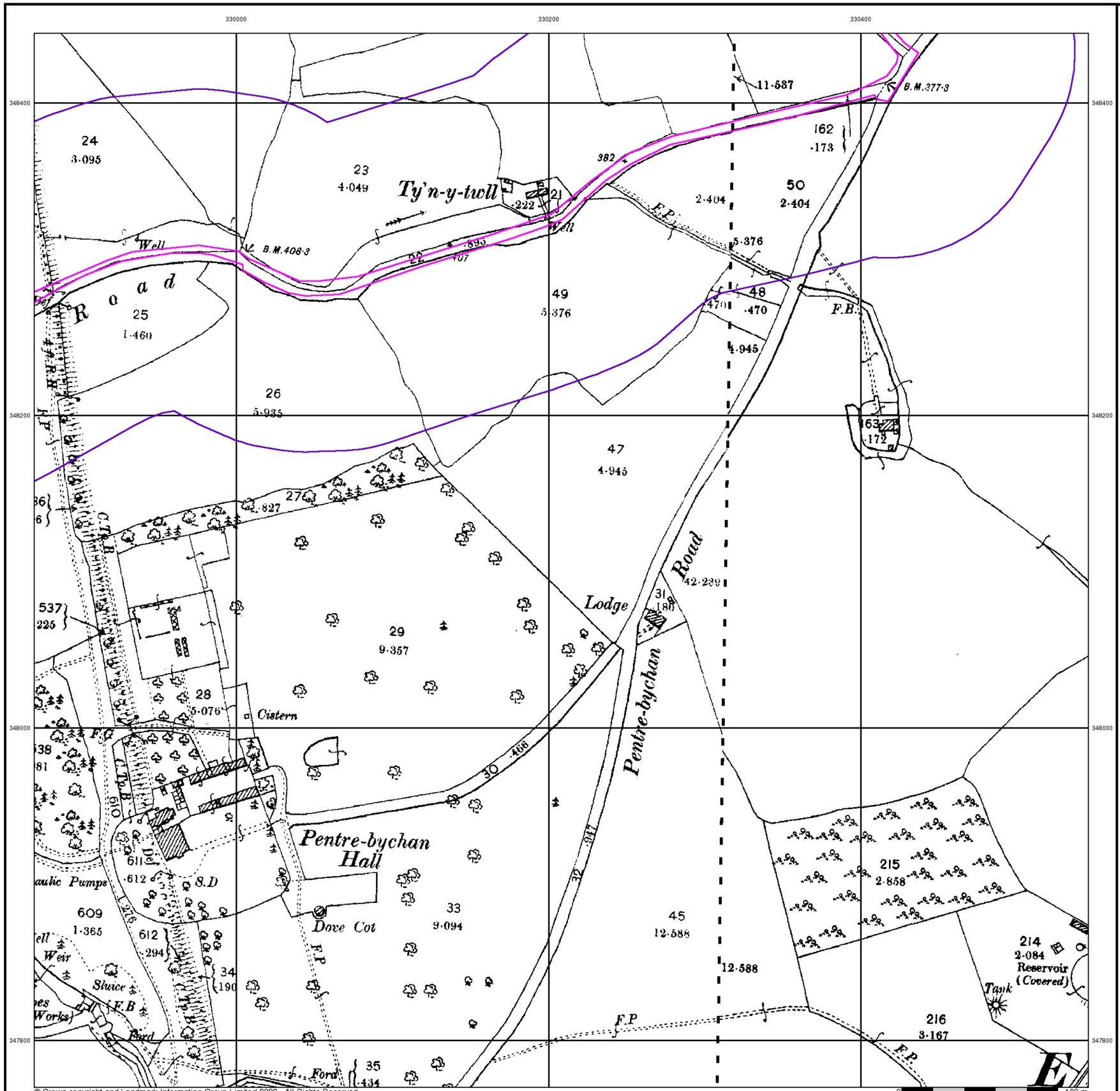

### Order Details

| | |
|---|---|
| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 329550, 348490 |
| Slice: | A |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 100 |

### Site Details

Site at 330330, 350090

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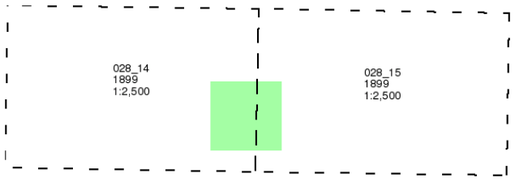

# Denbighshire

## Published 1899

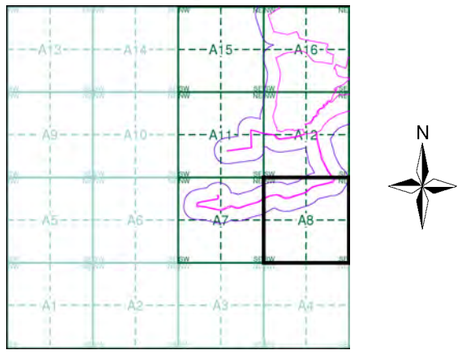
## Source map scale - 1:2,500

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 A8



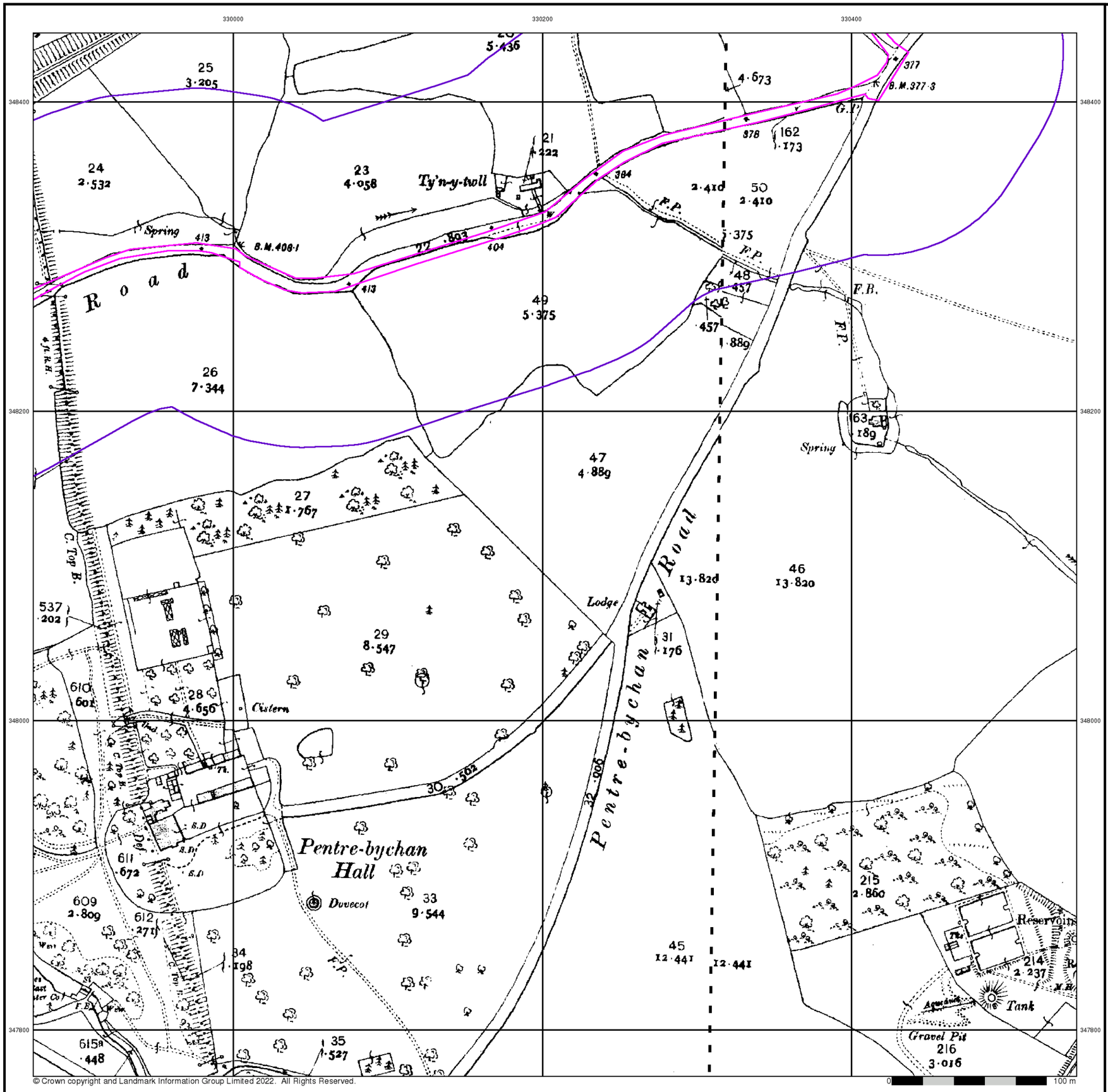

## Order Details

| | |
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| Customer Ref: | JER8537 |
| National Grid Reference: | 329550, 348490 |
| Slice: | A |
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| Search Buffer (m): | 100 |

## Site Details

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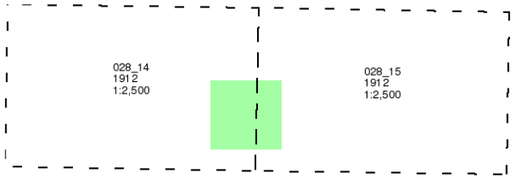
## Denbighshire

## Published 1912

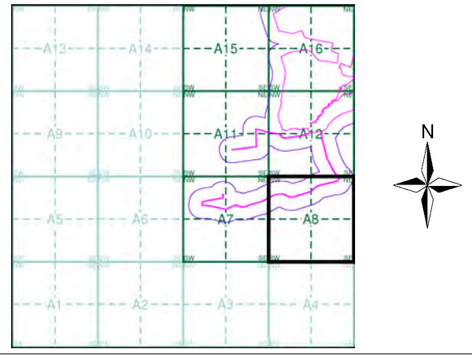
## Source map scale - 1:2,500

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 A8



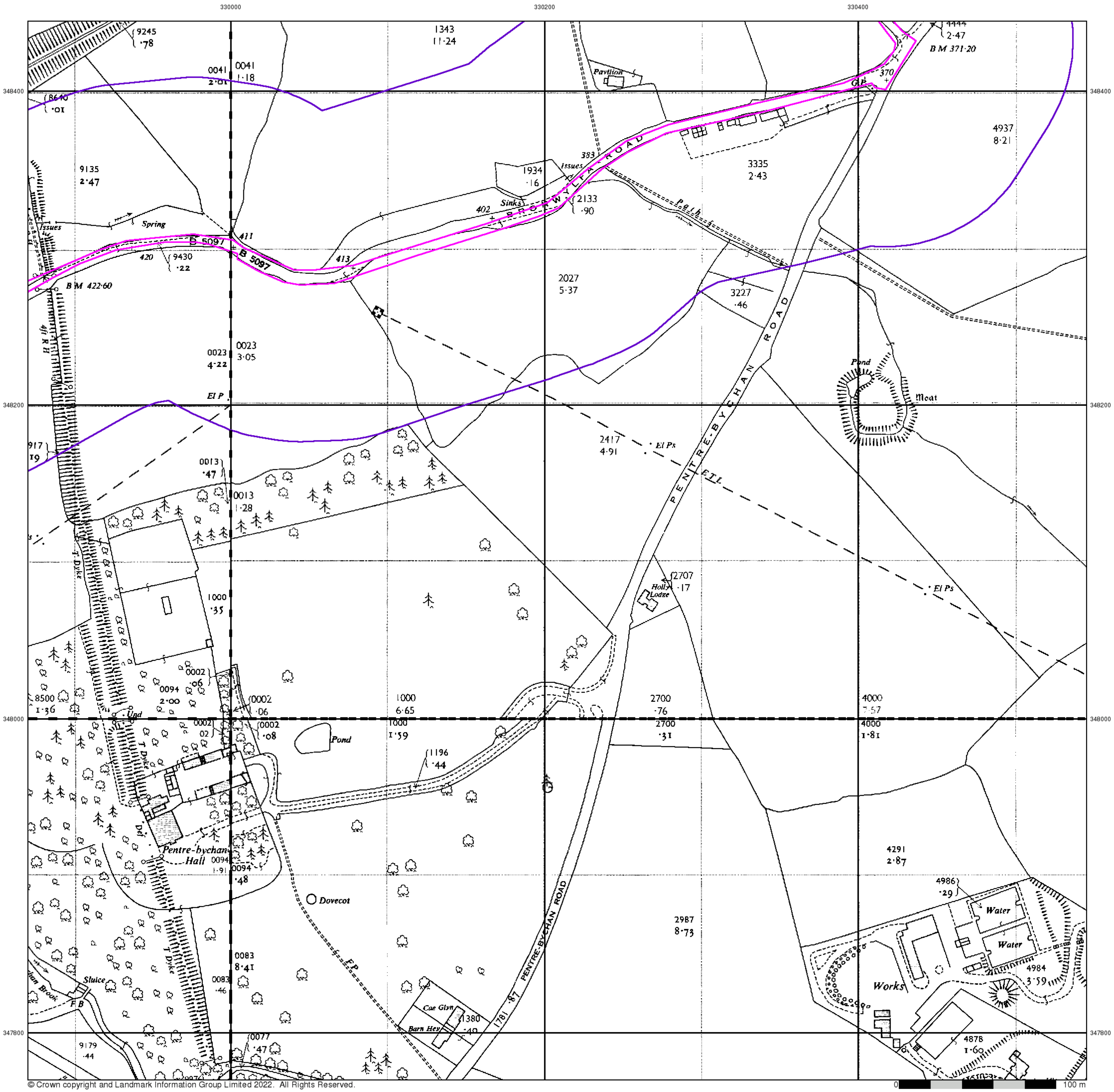

## Order Details

| | |
|---|---|
| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 329550, 348490 |
| Slice: | A |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 100 |

## Site Details

Site at 330330, 350090

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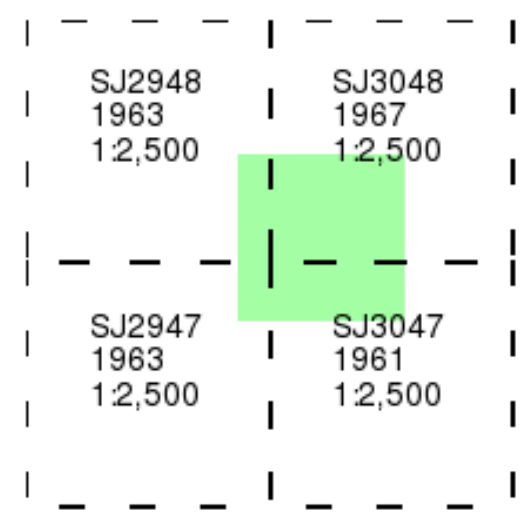
## Ordnance Survey Plan

**Published 1961 - 1967**

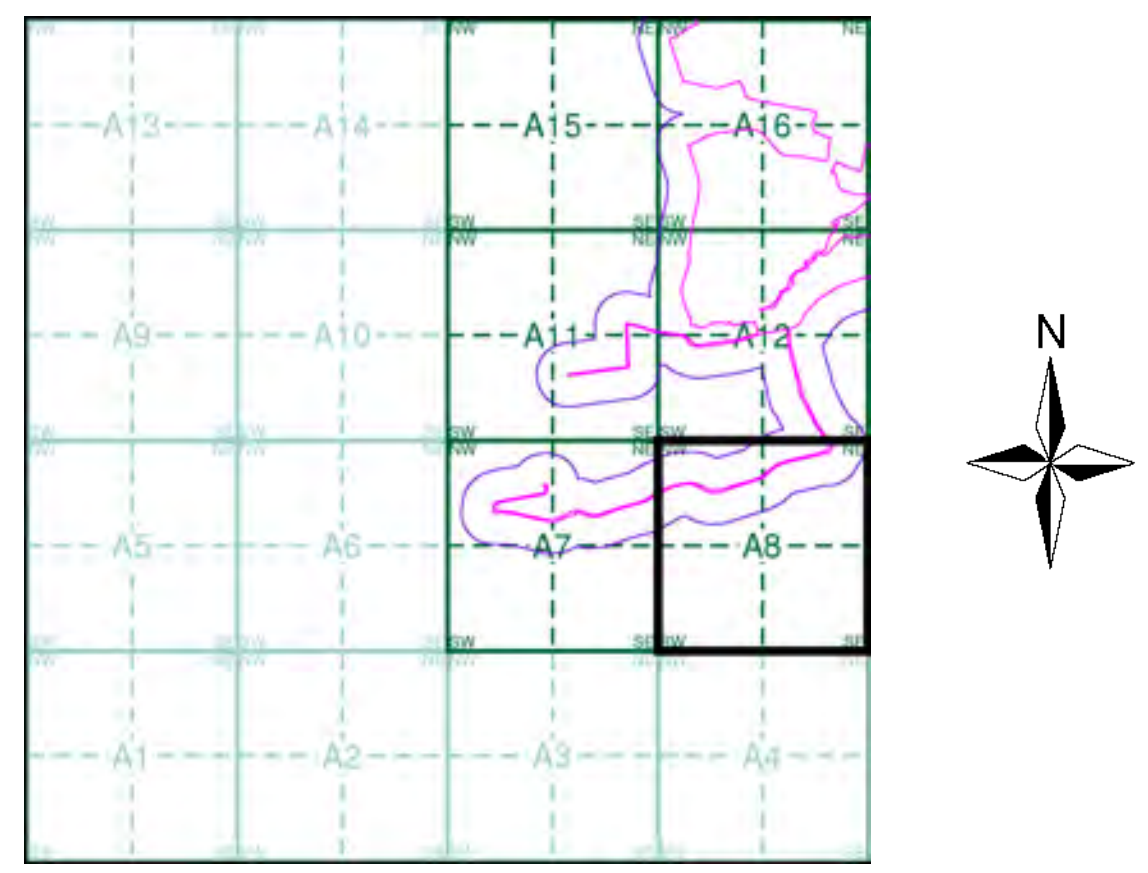
**Source map scale - 1:2,500**

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 A8



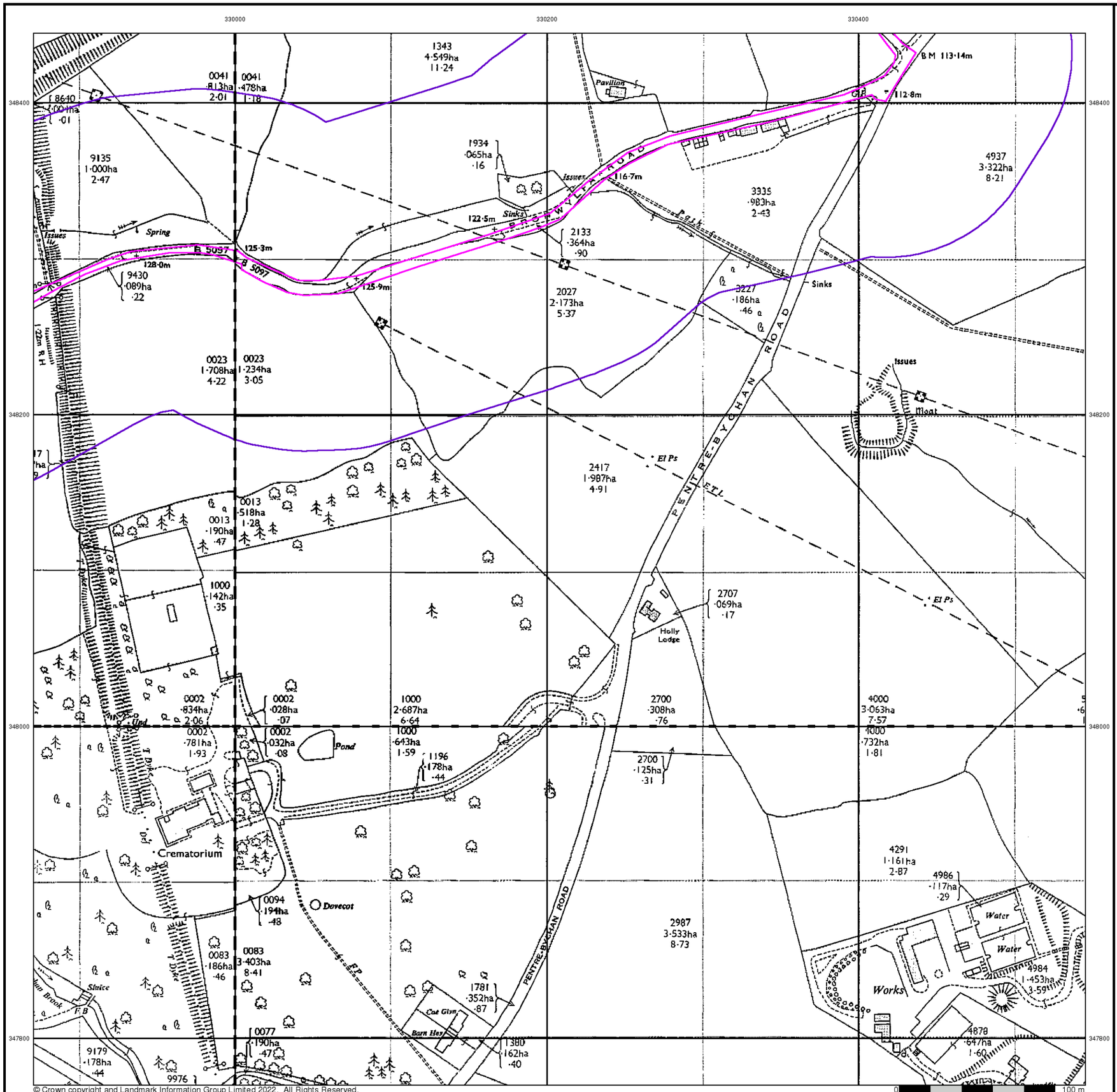

## Order Details

Order Number: 291151542_1_1
Customer Ref: JER8537
National Grid Reference: 329550, 348490
Slice: A
Site Area (Ha): 145.64
Search Buffer (m): 100

## Site Details

Site at 330330, 350090

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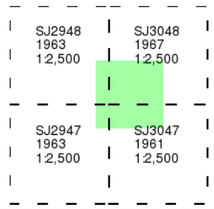
## Additional SIMs

**Published 1961 - 1967**

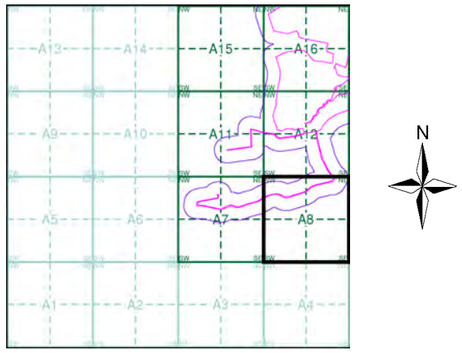
**Source map scale - 1:2,500**

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 A8



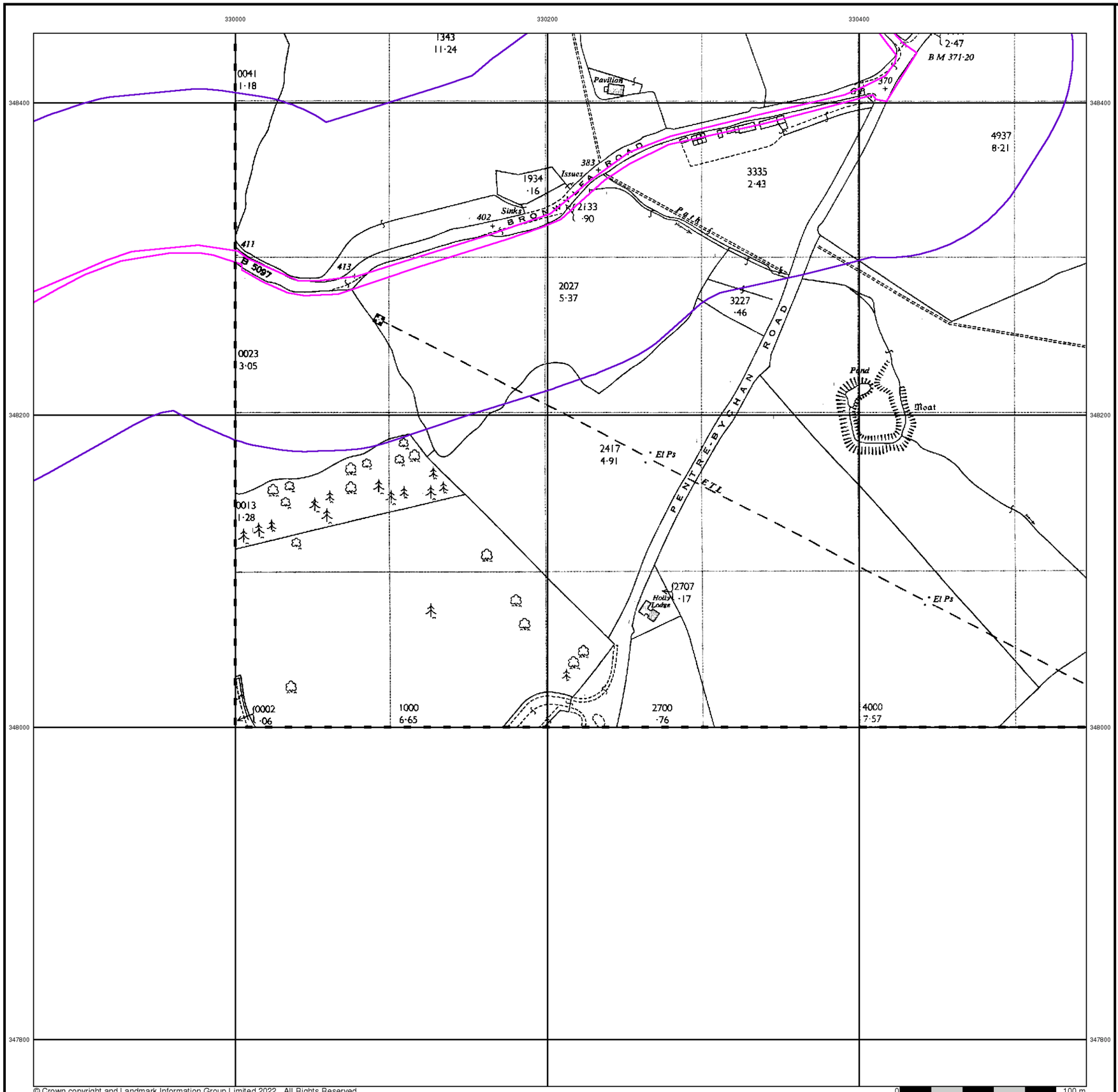

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## Site Details

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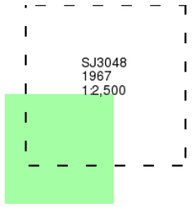
## Ordnance Survey Plan

## Published 1967

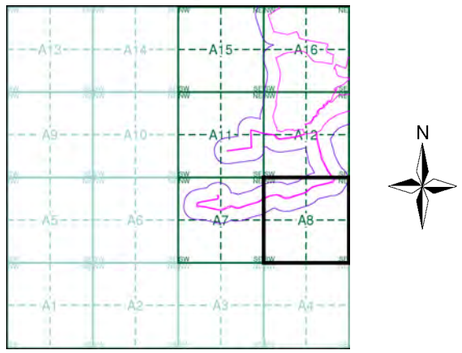
## Source map scale - 1:2,500

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 A8



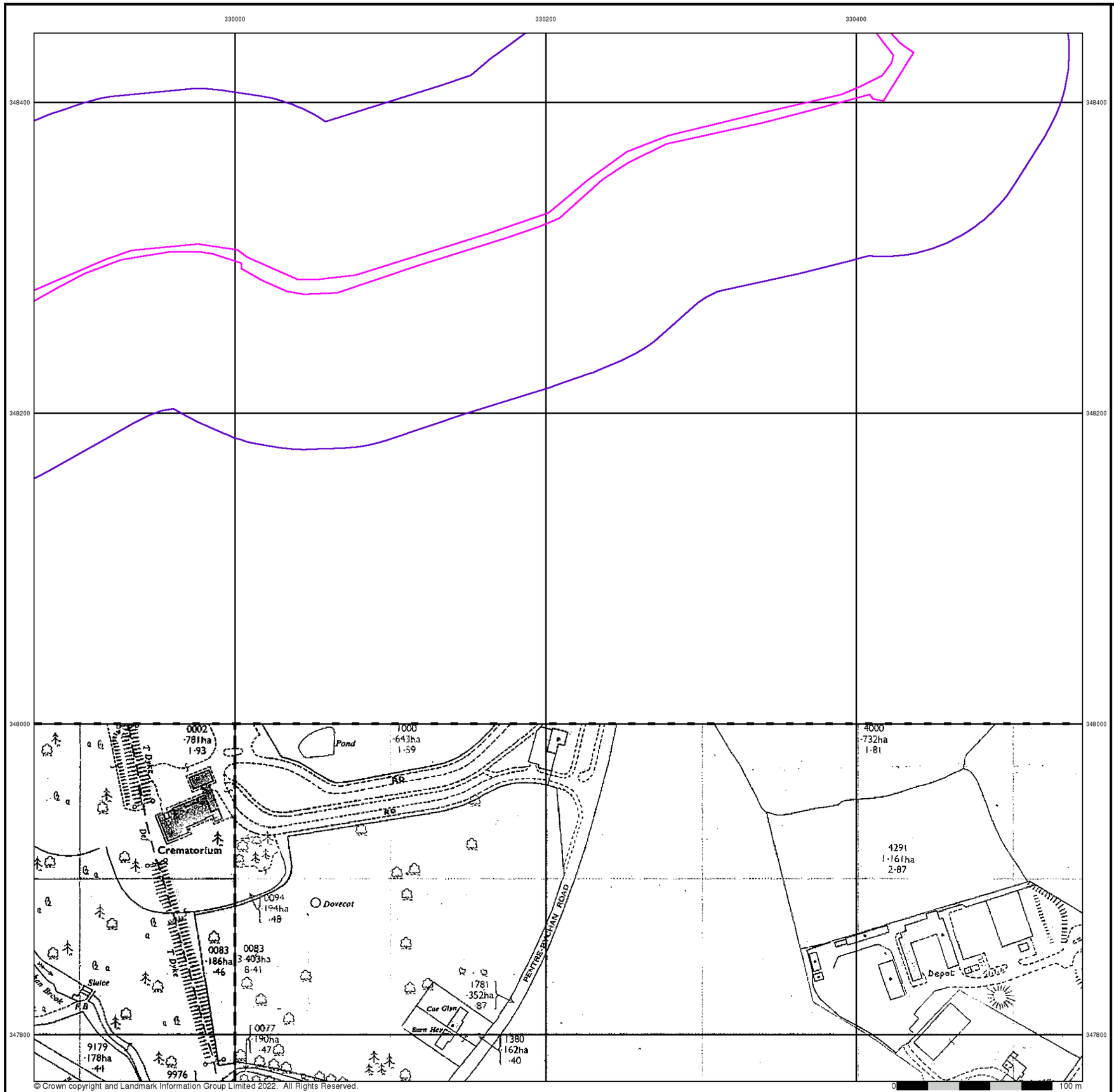

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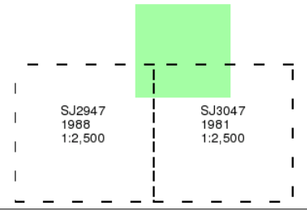
## Additional SIMs

**Published 1981 - 1988**

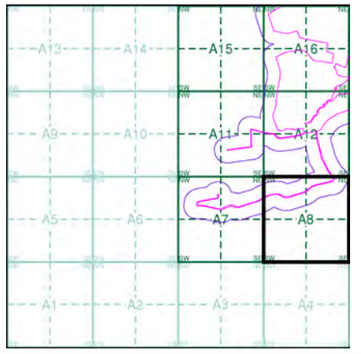
**Source map scale - 1:2,500**

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## Map Name(s) and Date(s)




## Historical Map - Segment A8



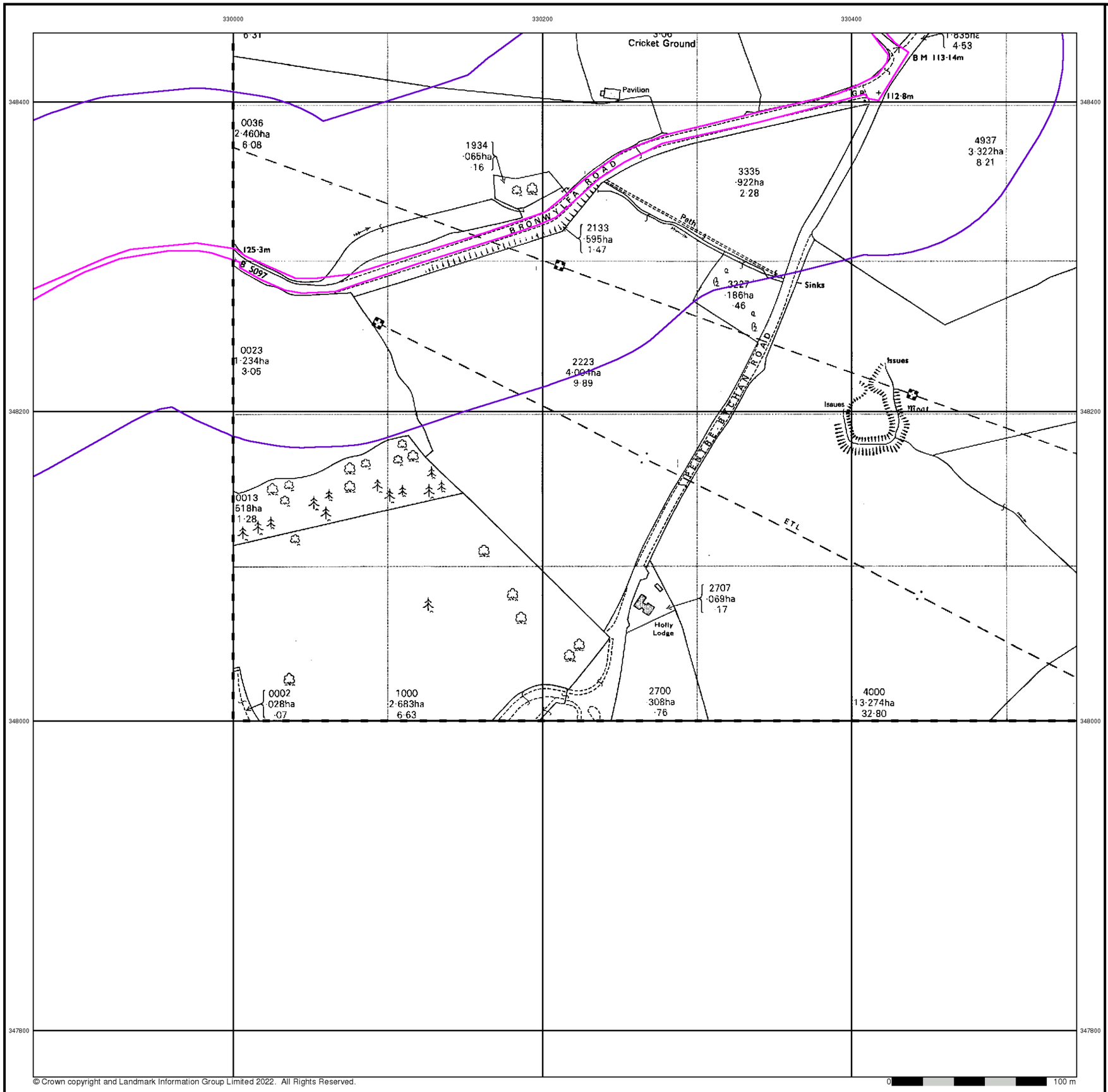

## Order Details

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## Site Details

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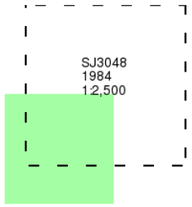

## Ordnance Survey Plan

## Published 1984

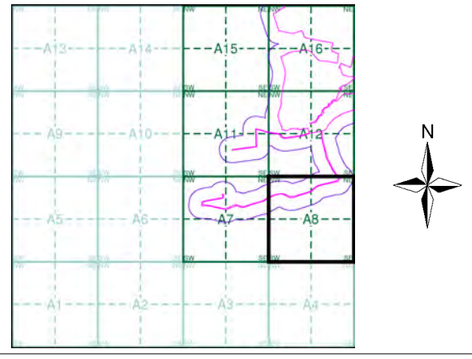
## Source map scale - 1:2,500

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## Map Name(s) and Date(s)




## Historical Map - Segment A8



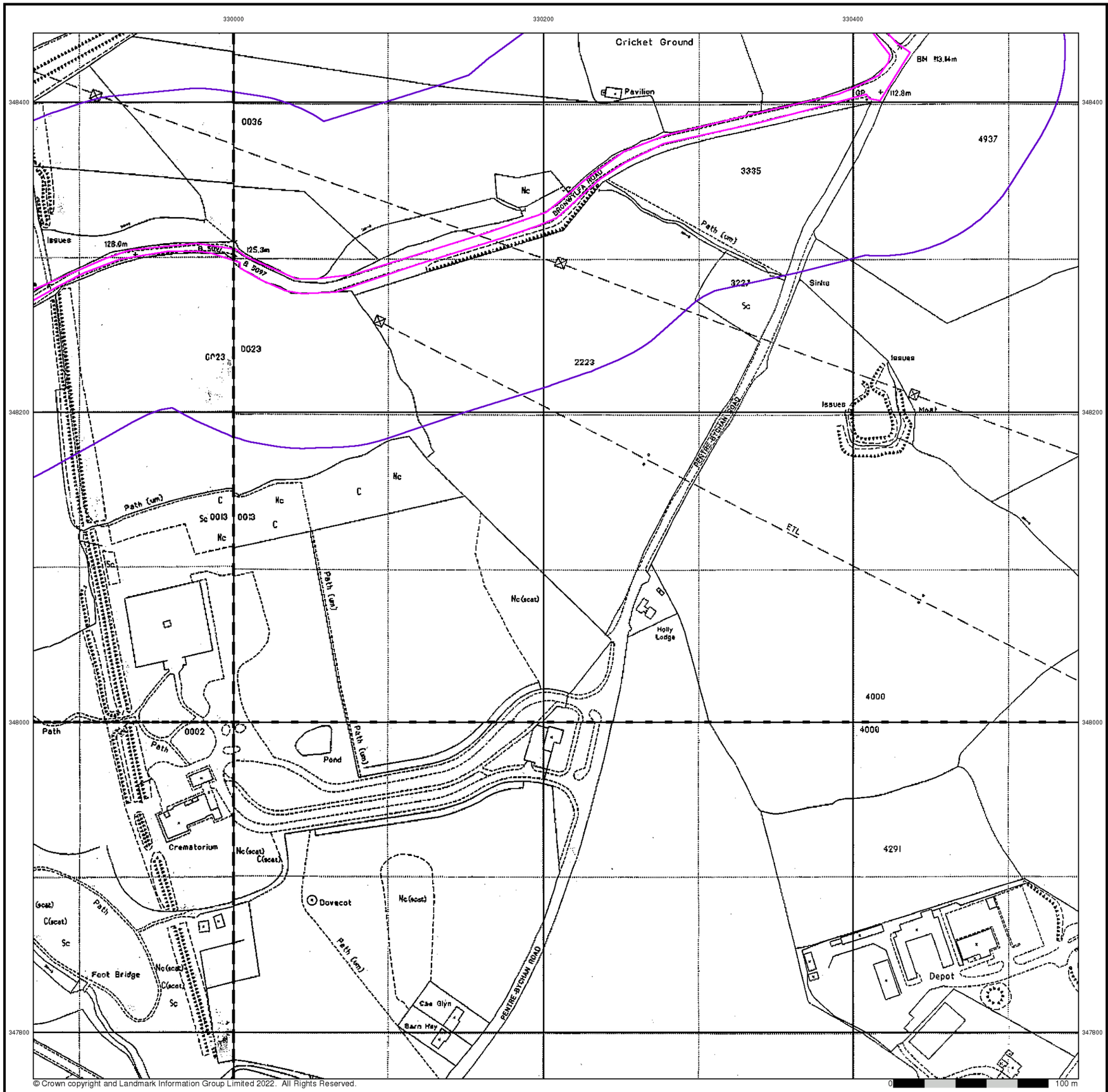

## Order Details

| | |
|---|---|
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| Customer Ref: | JER8537 |
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## Site Details

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## Large-Scale National Grid Data

**Published 1992 - 1993**

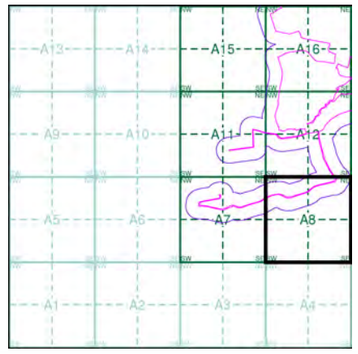
**Source map scale - 1:2,500**

'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)

| | |
|---|---|
| SJ2948 1993 1:2,500 | SJ3048 1992 1:2,500 |
| SJ2947 1993 1:2,500 | SJ3047 1992 1:2,500 |

## Historical Map - Segment A8



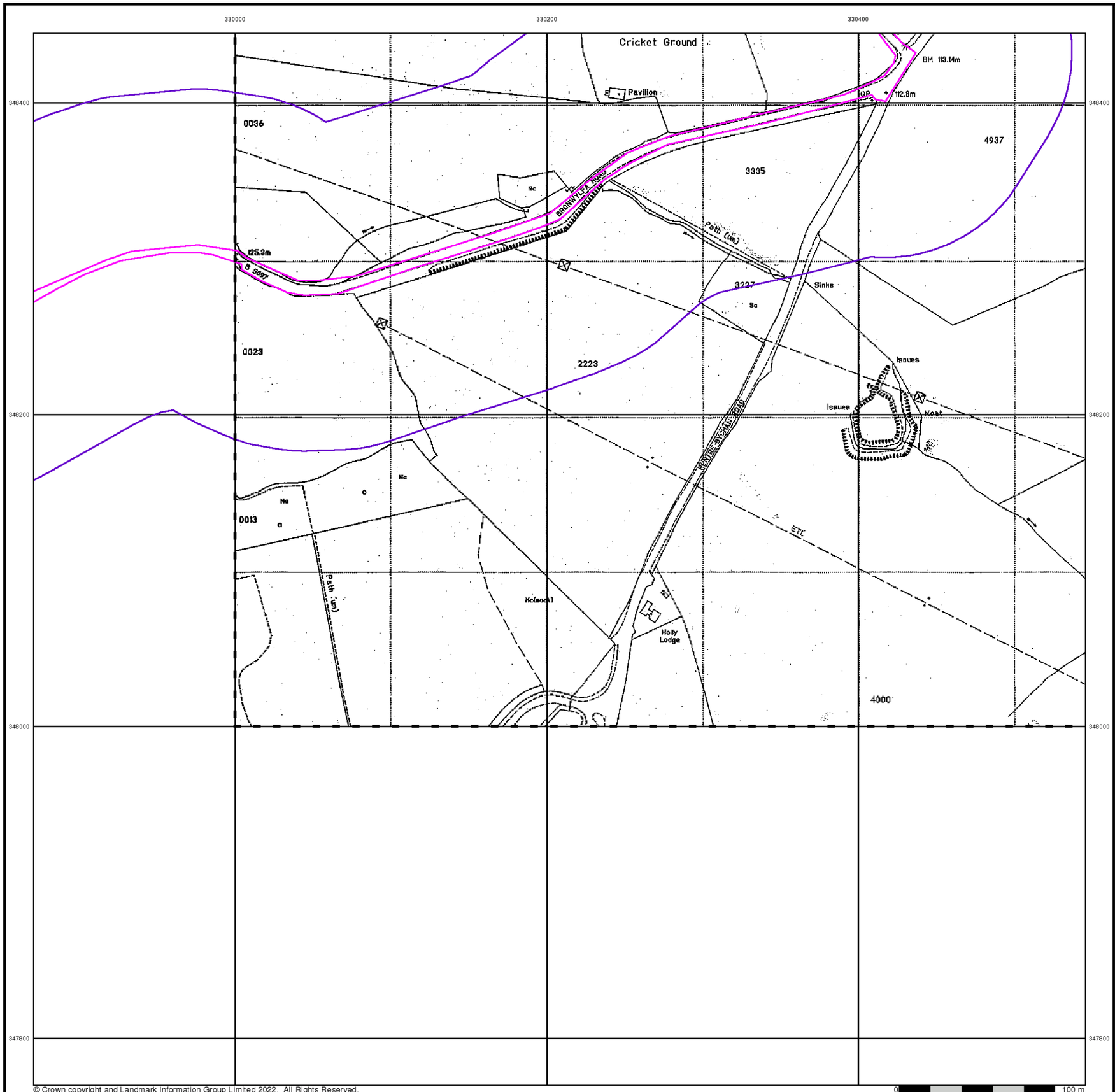

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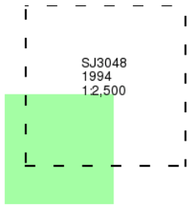
## Large-Scale National Grid Data

**Published 1994**

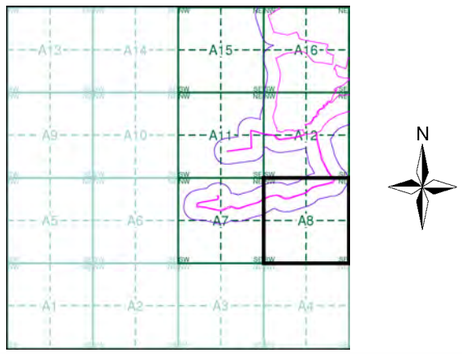
**Source map scale - 1:2,500**

'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)




## Historical Map - Segment A8




## Order Details

| | |
|---|---|
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| Site Area (Ha): | 145.64 |
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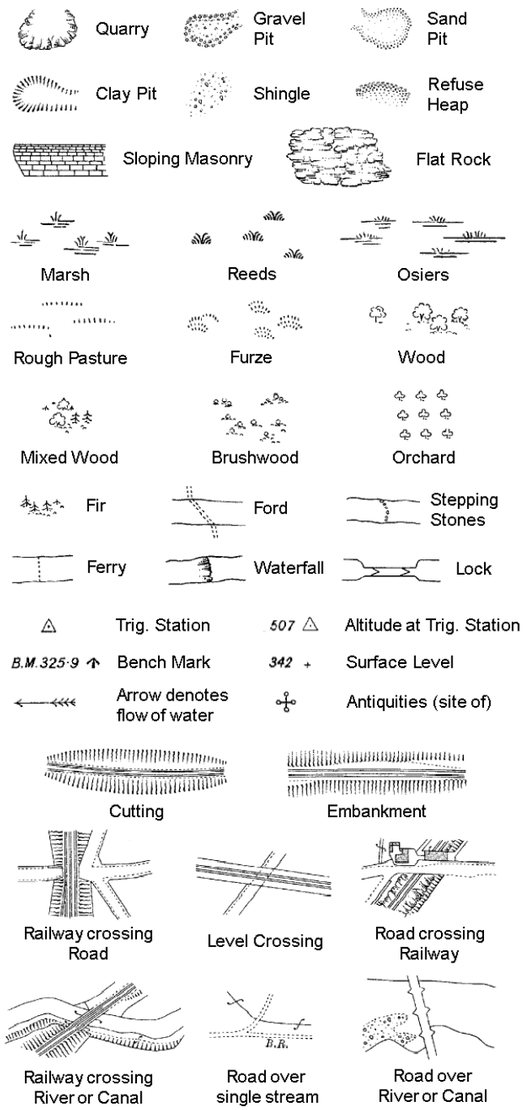
## Site Details

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# Historical Mapping Legends

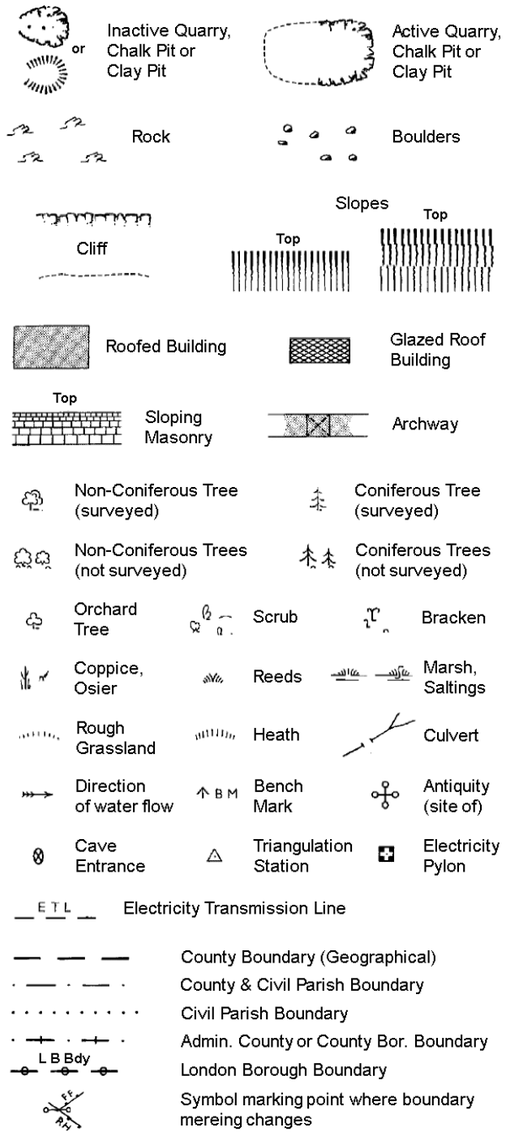
## Ordnance Survey County Series and Ordnance Survey Plan 1:2,500




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 | Sl. | 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 |

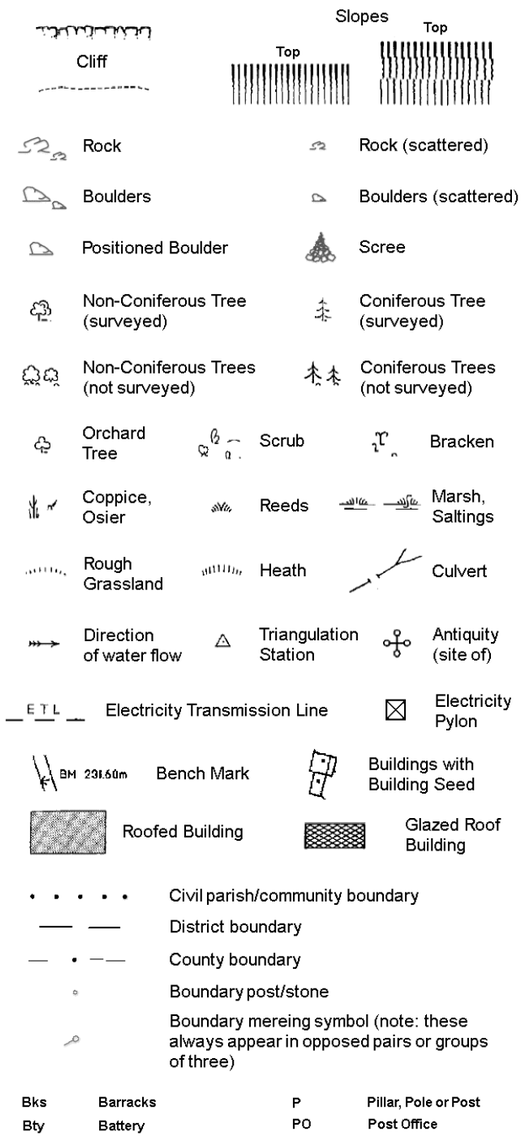
## Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250




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



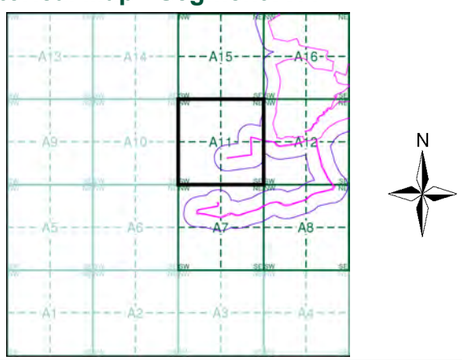

Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

| | | | |
|---|---|---|---|
| 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 |

## Historical Mapping & Photography included:

| Mapping Type | Scale | Date | Pg |
|---|---|---|---|
| Denbighshire | 1:2,500 | 1873 | 2 |
| Denbighshire | 1:2,500 | 1899 | 3 |
| Denbighshire | 1:2,500 | 1912 | 4 |
| Ordnance Survey Plan | 1:2,500 | 1963 | 5 |
| Additional SIMs | 1:2,500 | 1963 | 6 |
| Large-Scale National Grid Data | 1:2,500 | 1993 | 7 |

## Historical Map - Segment A11



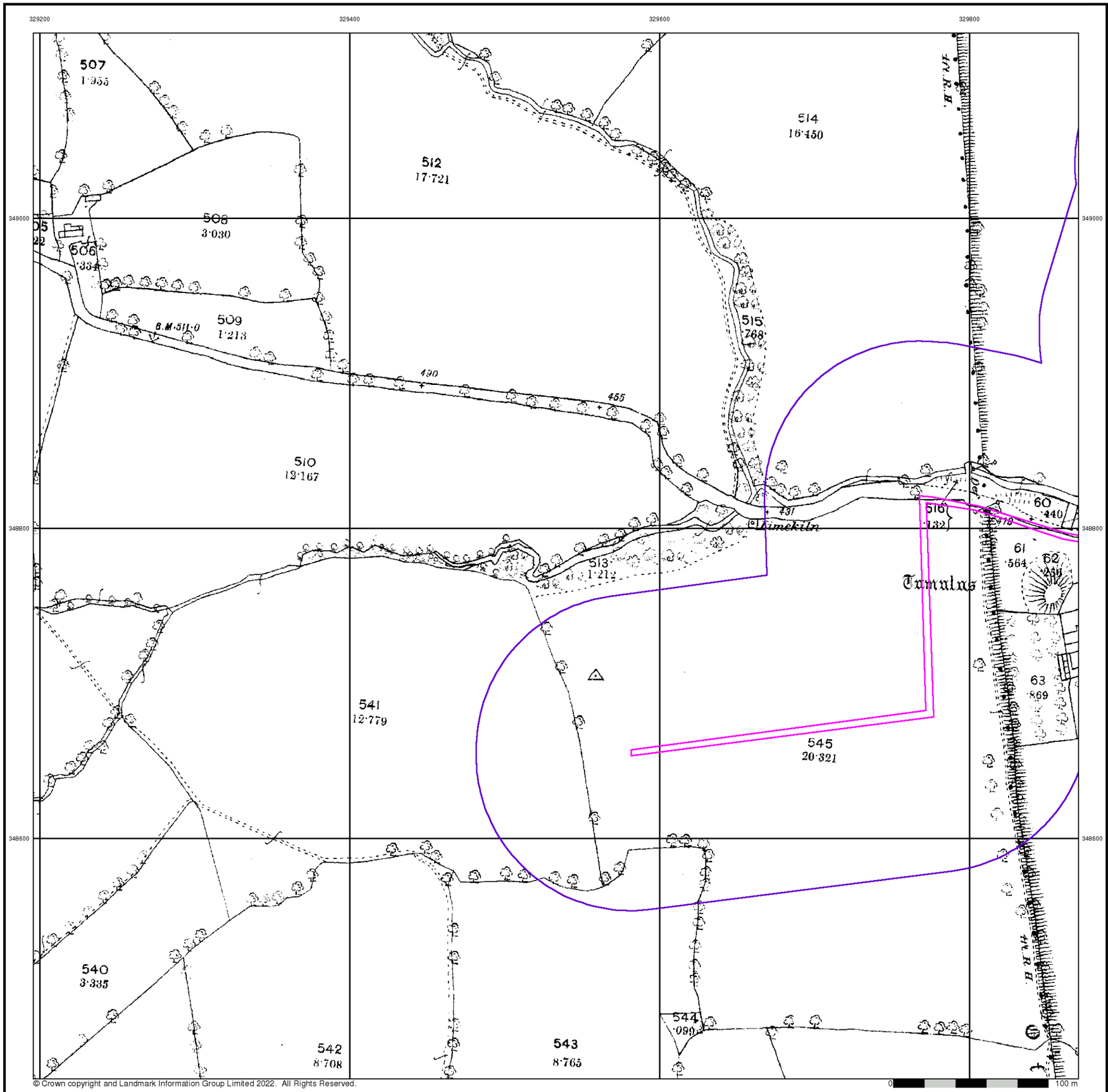

## Order Details

Order Number: 291151542_1_1
Customer Ref: JER8537
National Grid Reference: 329550, 348490
Slice: A
Site Area (Ha): 145.64
Search Buffer (m): 100

## Site Details

Site at 330330, 350090


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rps

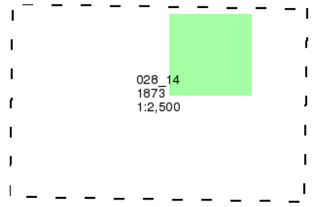
## Denbighshire

## Published 1873

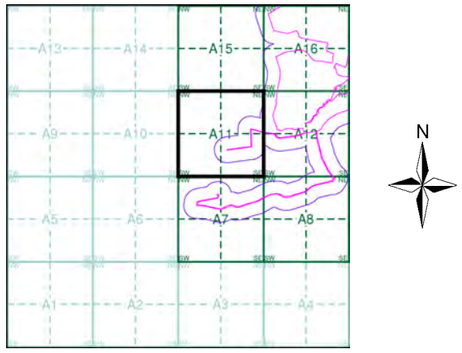
## Source map scale - 1:2,500

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 A11



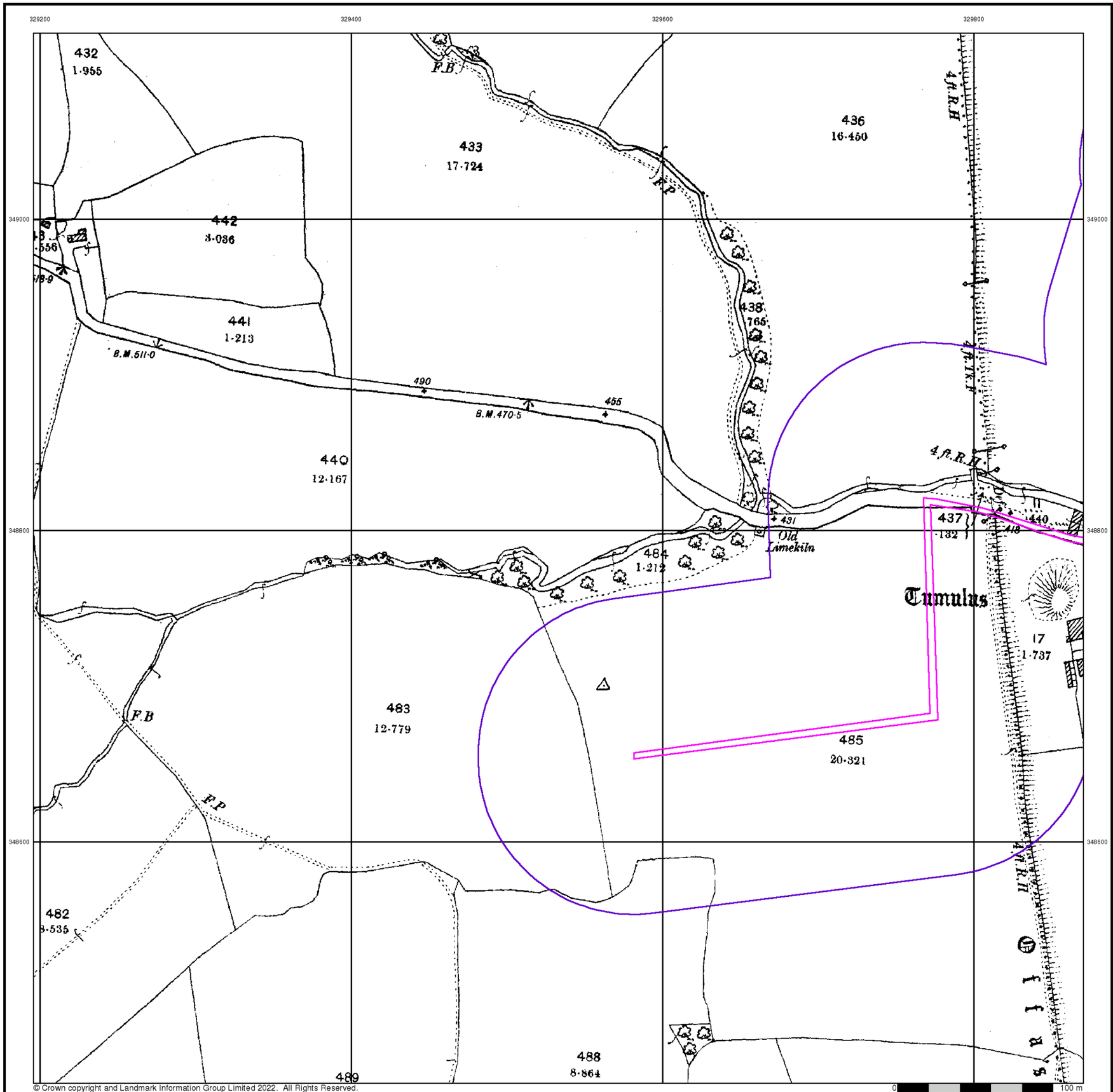

## Order Details

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| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 329550, 348490 |
| Slice: | A |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 100 |

## Site Details

Site at 330330, 350090

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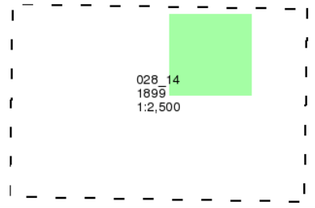

# Denbighshire

## Published 1899

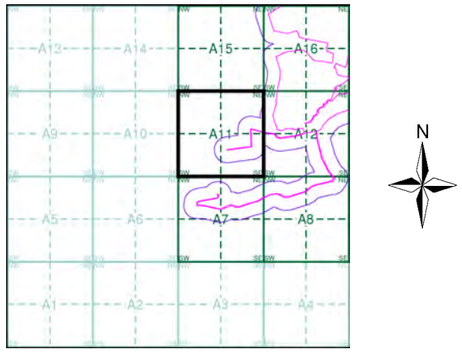
## Source map scale - 1:2,500

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## Map Name(s) and Date(s)




## Historical Map - Segment A11



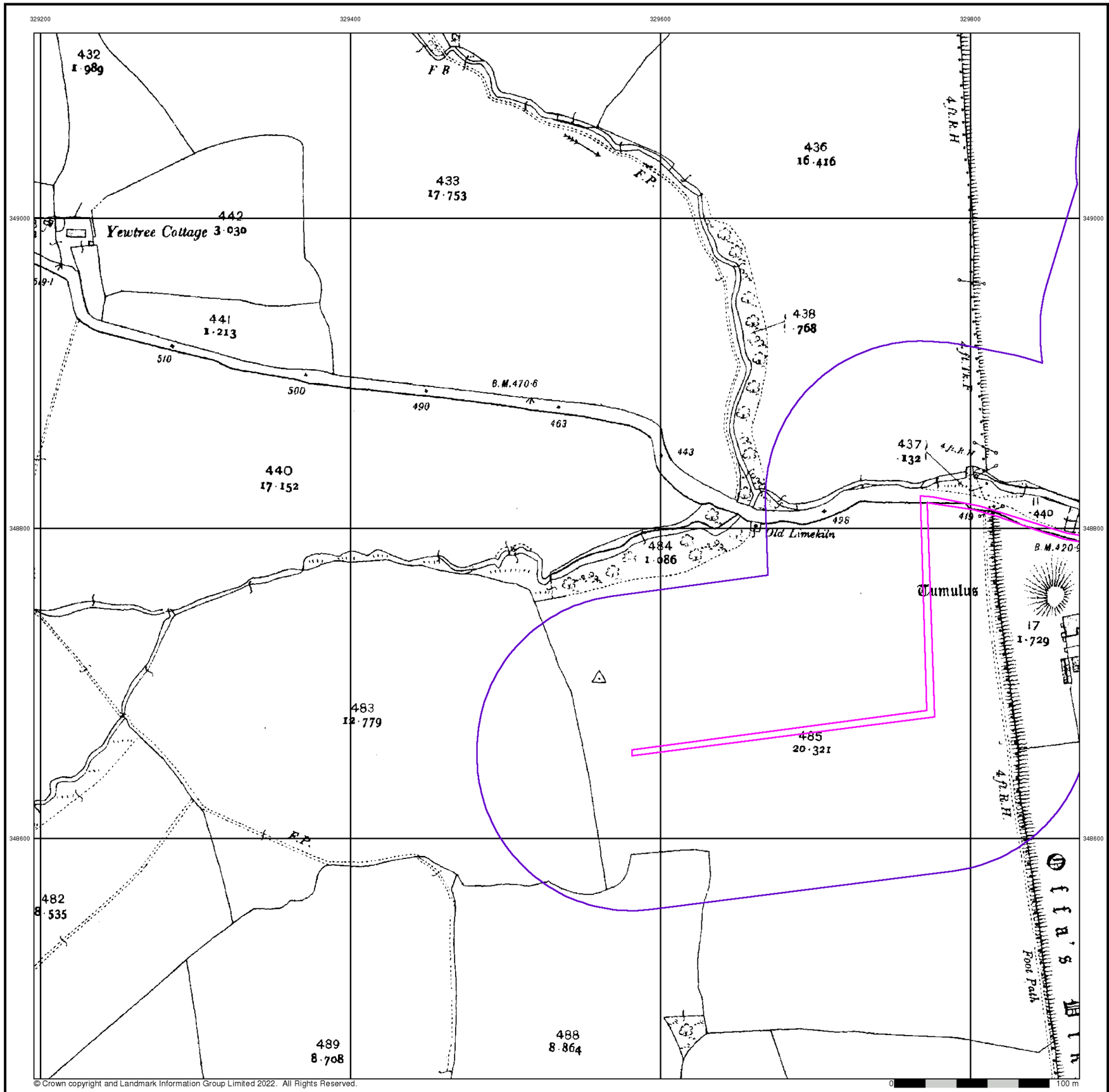

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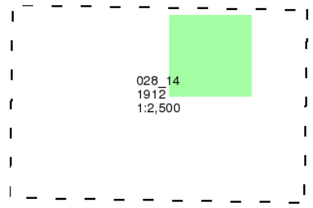

## Denbighshire

## Published 1912

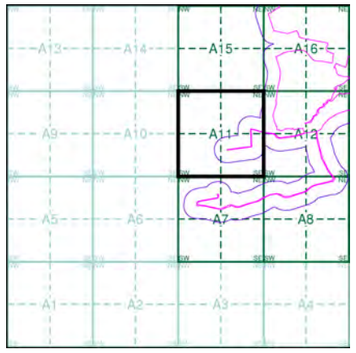
## Source map scale - 1:2,500

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## Map Name(s) and Date(s)




## Historical Map - Segment A11



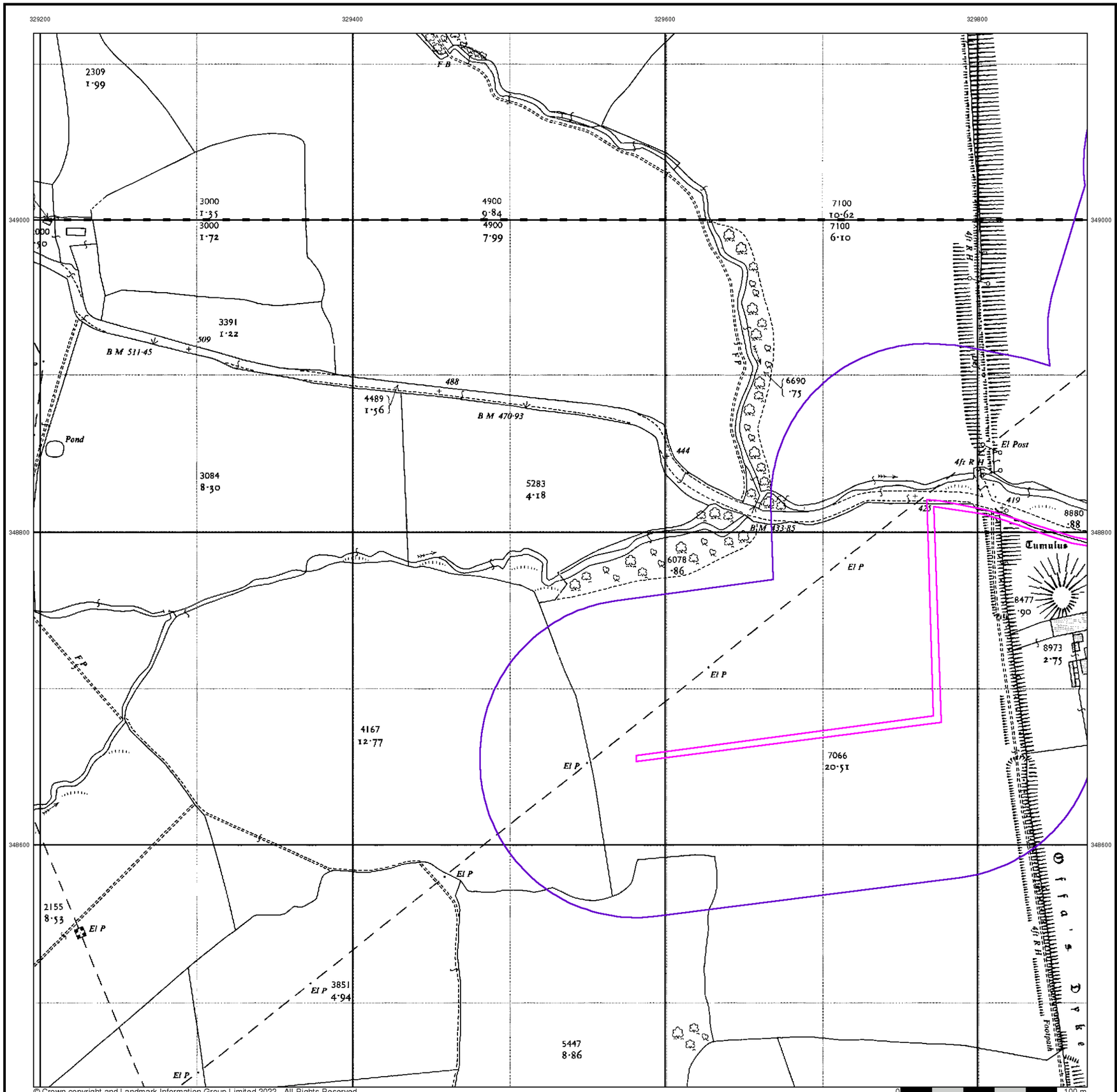

## Order Details

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## Site Details

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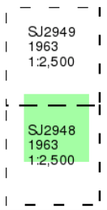
## Ordnance Survey Plan

## Published 1963

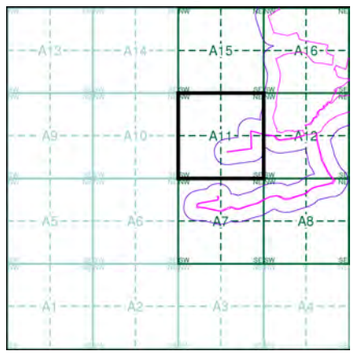
## Source map scale - 1:2,500

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## Map Name(s) and Date(s)




## Historical Map - Segment A11



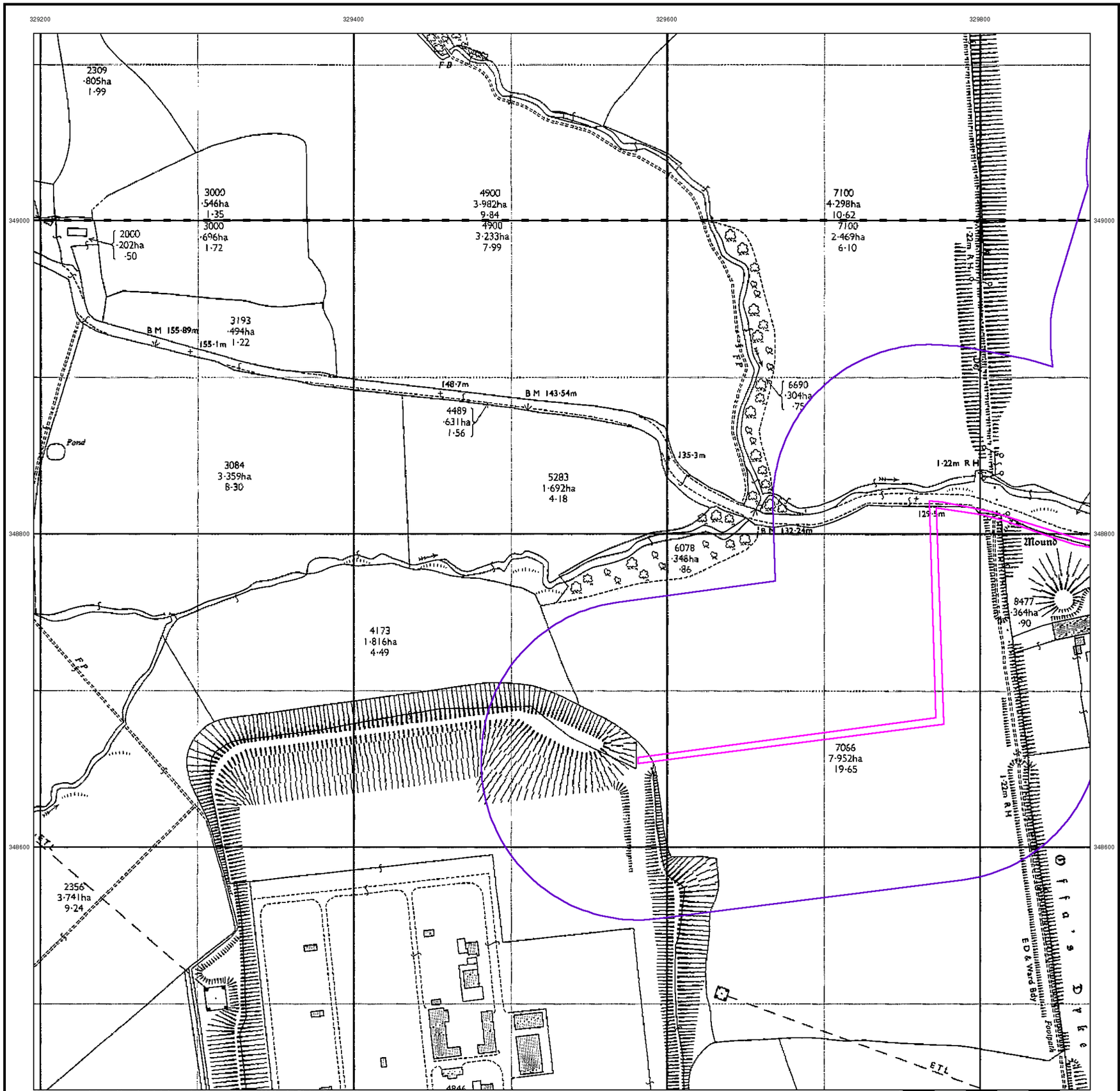

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## Additional SIMs

## Published 1963

## Source map scale - 1:2,500

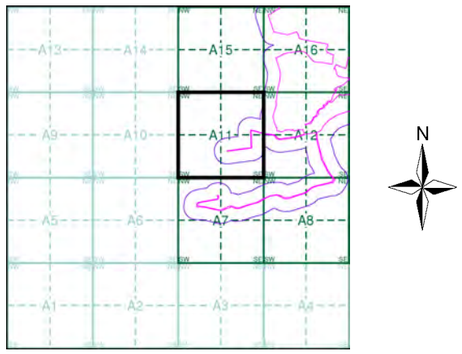
The SIM cards (Ordnance Survey's `Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps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

## Map Name(s) and Date(s)

SJ2949
1963
1:2,500

SJ2948
1963
1:2,500

## Historical Map - Segment A11



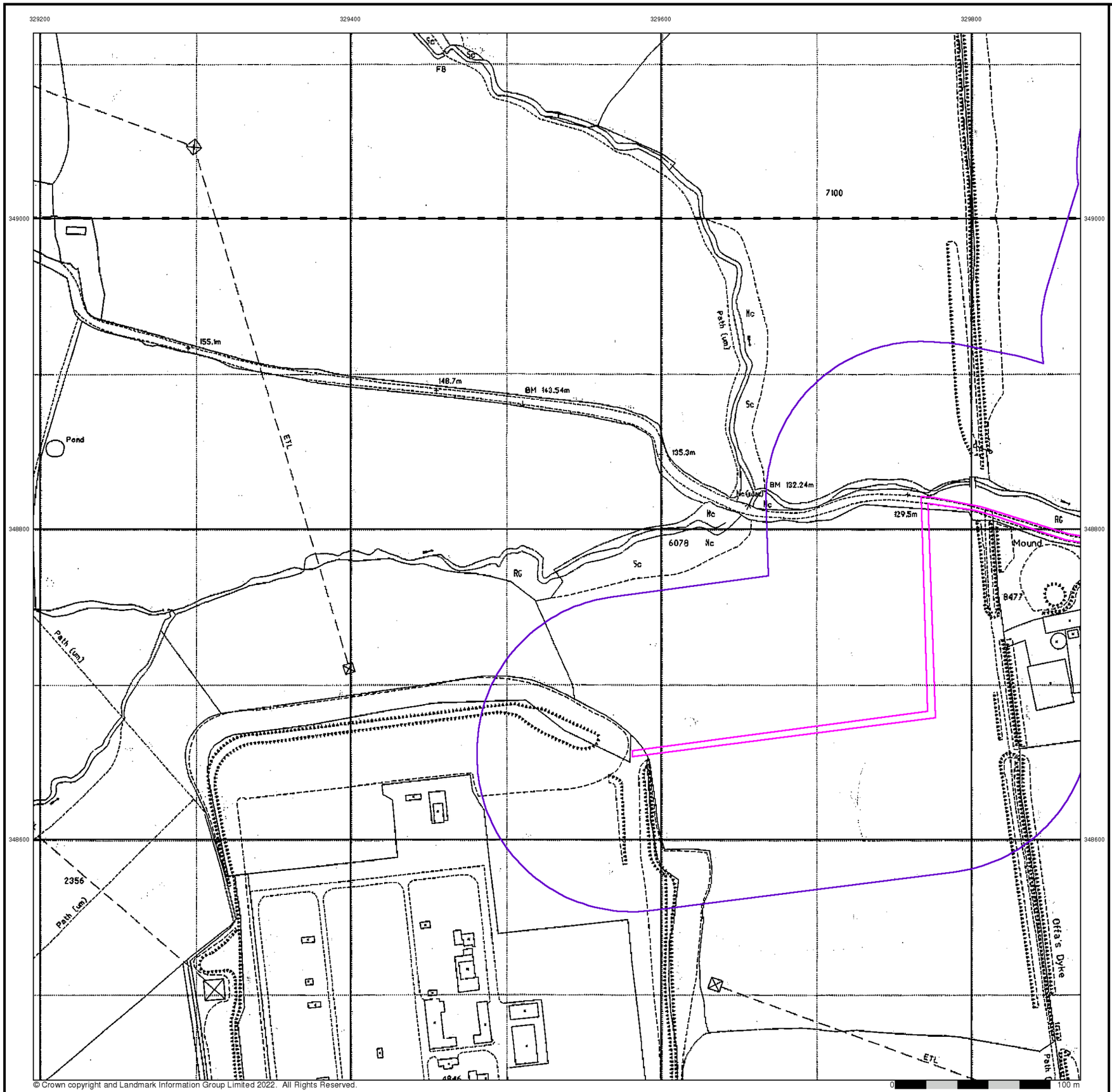

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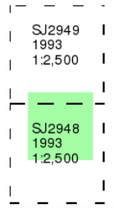
## Large-Scale National Grid Data

**Published 1993**

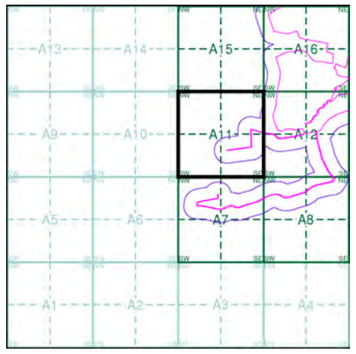
**Source map scale - 1:2,500**

'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)




## Historical Map - Segment A11




## Order Details

| | |
|---|---|
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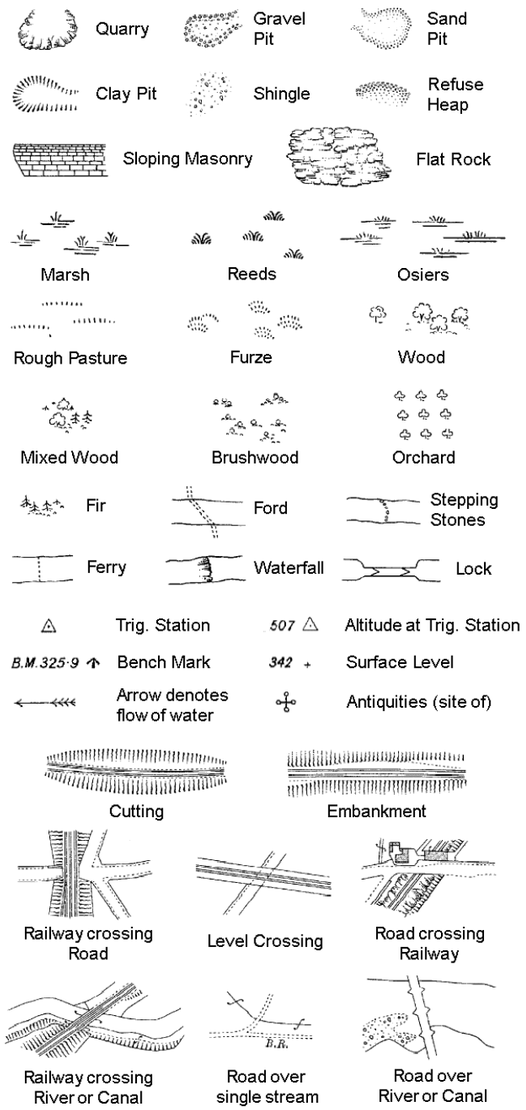
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# Historical Mapping Legends

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




County Boundary (Geographical)

County & Civil Parish Boundary

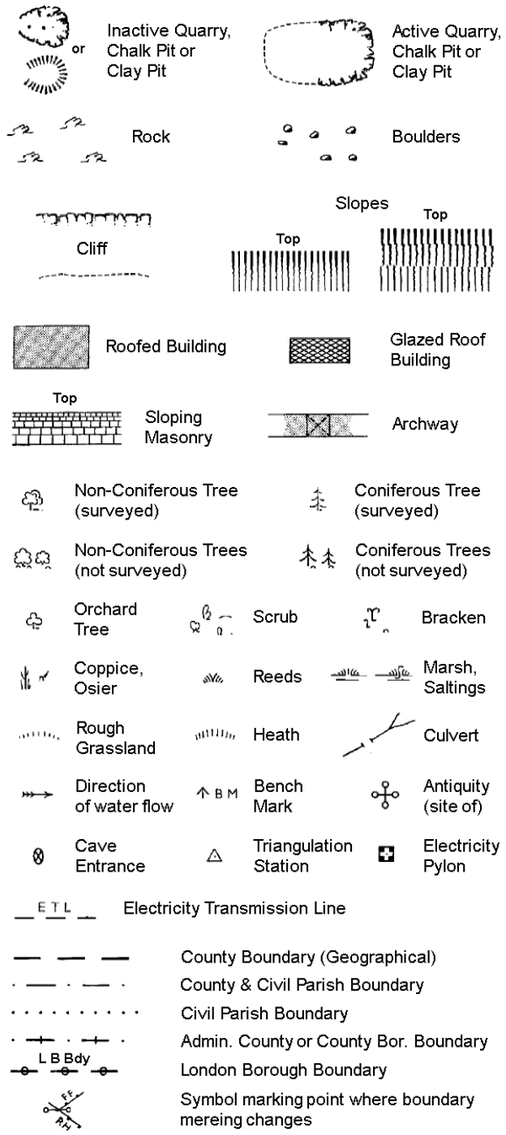
Administrative County & Civil Parish Boundary

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 | Sl. | 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

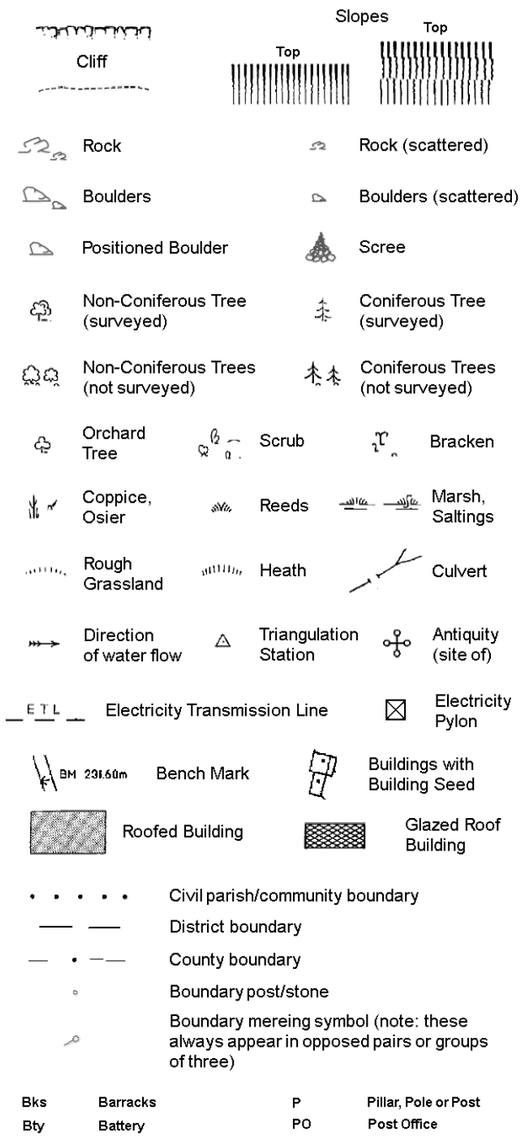
Admin. County or County Bor. Boundary

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

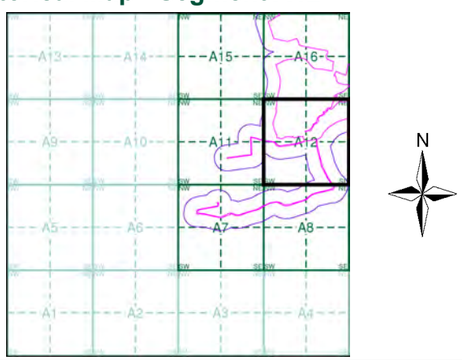
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

| | | | |
|---|---|---|---|
| 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 |

## Historical Mapping & Photography included:

| Mapping Type | Scale | Date | Pg |
|---|---|---|---|
| Denbighshire | 1:2,500 | 1872 - 1873 | 2 |
| Denbighshire | 1:2,500 | 1899 | 3 |
| Denbighshire | 1:2,500 | 1912 | 4 |
| Ordnance Survey Plan | 1:2,500 | 1962 - 1967 | 5 |
| Additional SIMs | 1:2,500 | 1963 - 1967 | 6 |
| Ordnance Survey Plan | 1:2,500 | 1967 - 1977 | 7 |
| Ordnance Survey Plan | 1:2,500 | 1984 | 8 |
| Large-Scale National Grid Data | 1:2,500 | 1992 - 1993 | 9 |
| Large-Scale National Grid Data | 1:2,500 | 1994 | 10 |

## Historical Map - Segment A12



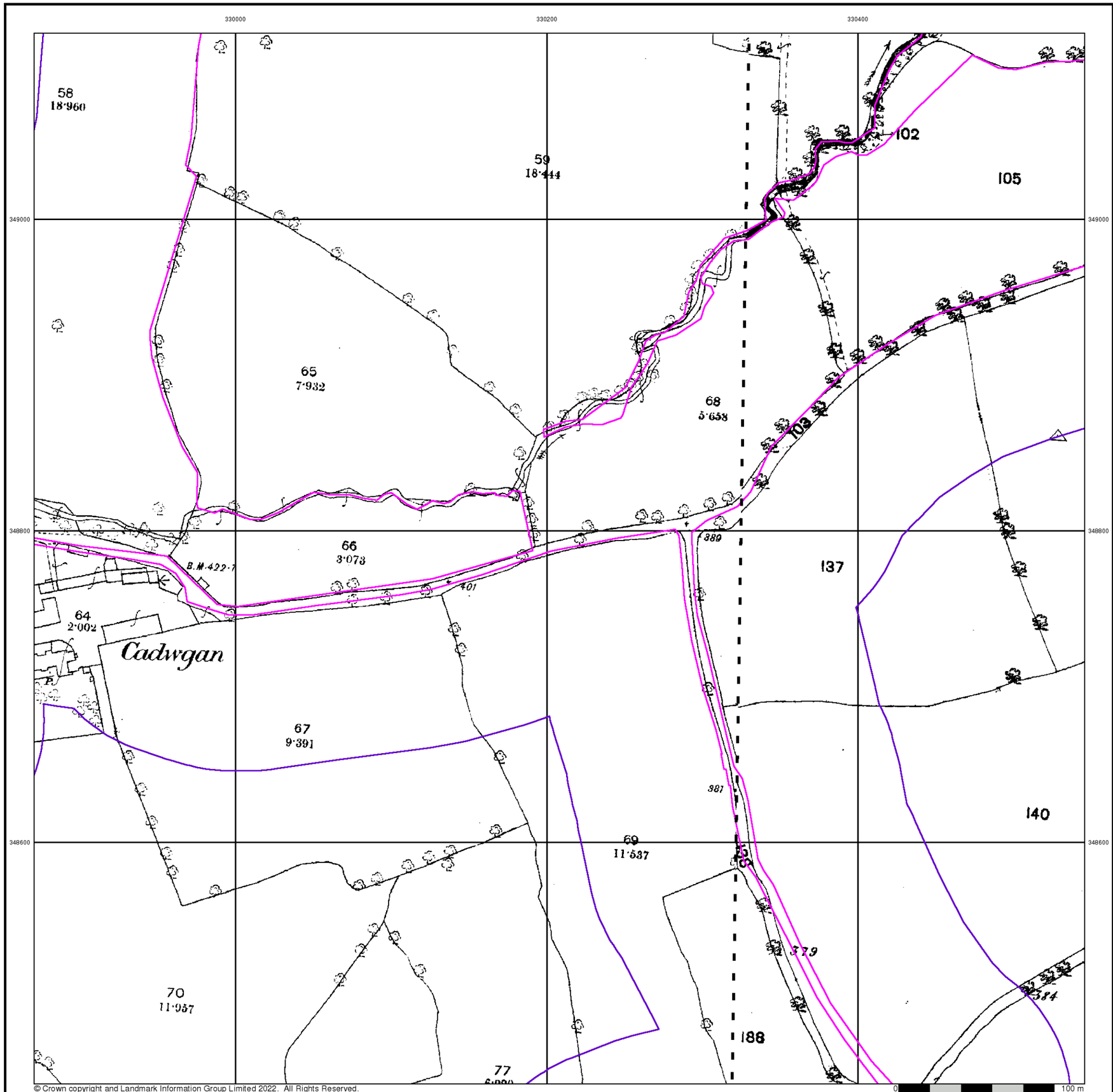

## Order Details

Order Number: 291151542_1_1
Customer Ref: JER8537
National Grid Reference: 329550, 348490
Slice: A
Site Area (Ha): 145.64
Search Buffer (m): 100

## Site Details

Site at 330330, 350090


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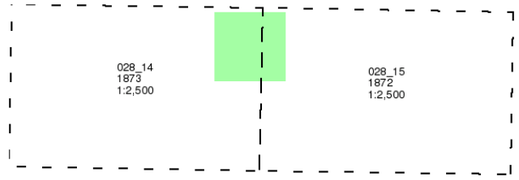

## Denbighshire

## Published 1872 - 1873

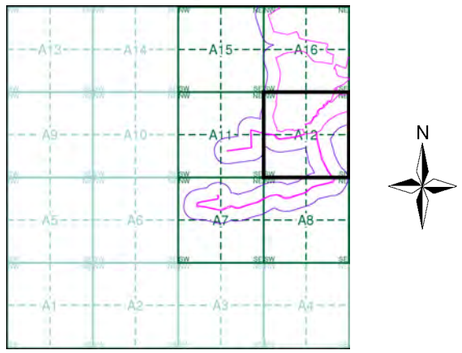
## Source map scale - 1:2,500

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### Map Name(s) and Date(s)




### Historical Map - Segment A12




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349000 348800 348600

10
18·960

9
18·423

18·423

99
8·956

55
5·679

55
5·679

12
7·930

13
3·075

B.M.388·3

385

9·169

54
9·169

401

15 1·137

B.M.422·6

Cadwgan Hall

P

16
1·927

17·574

380

53
17·57

51
11·537

18
21·375

3·514

379

161
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384

19
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20
6·299

52
3·514

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0 100 m

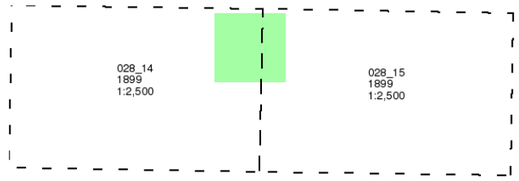
# Denbighshire

## Published 1899

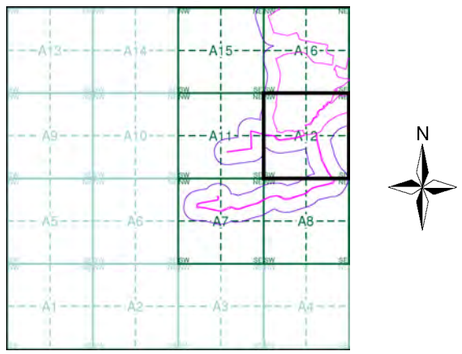
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## Historical Map - Segment A12



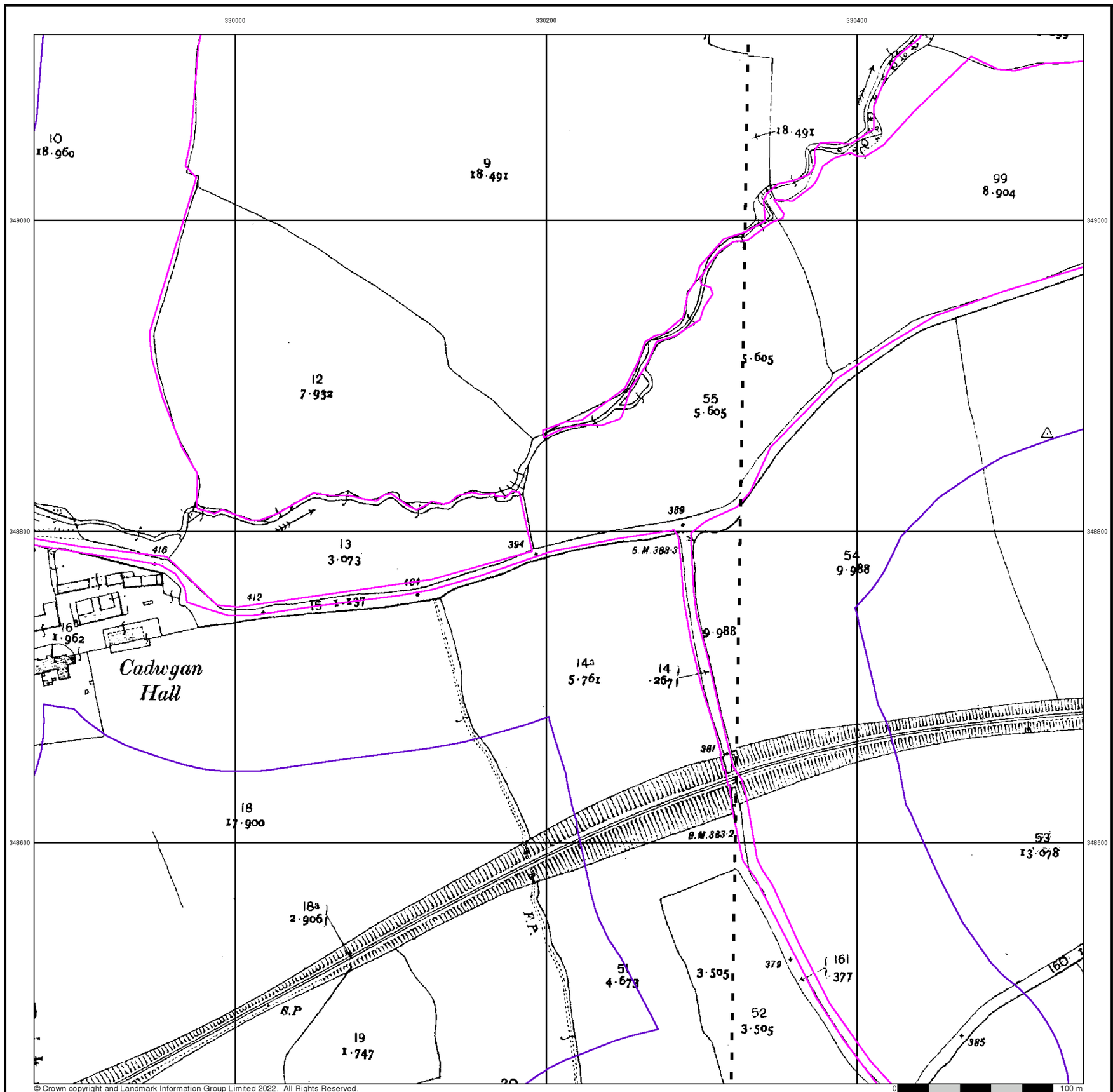

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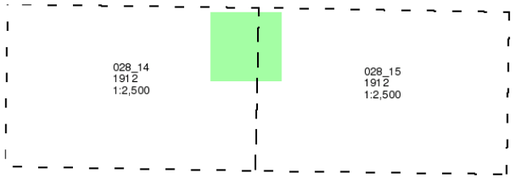
## Denbighshire

## Published 1912

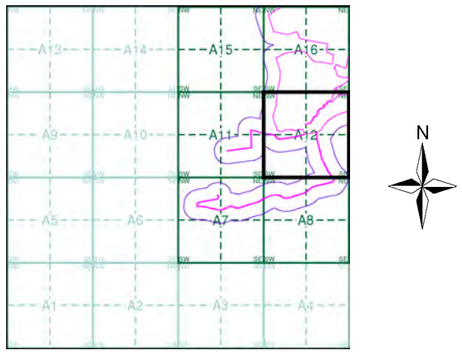
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### Historical Map - Segment A12



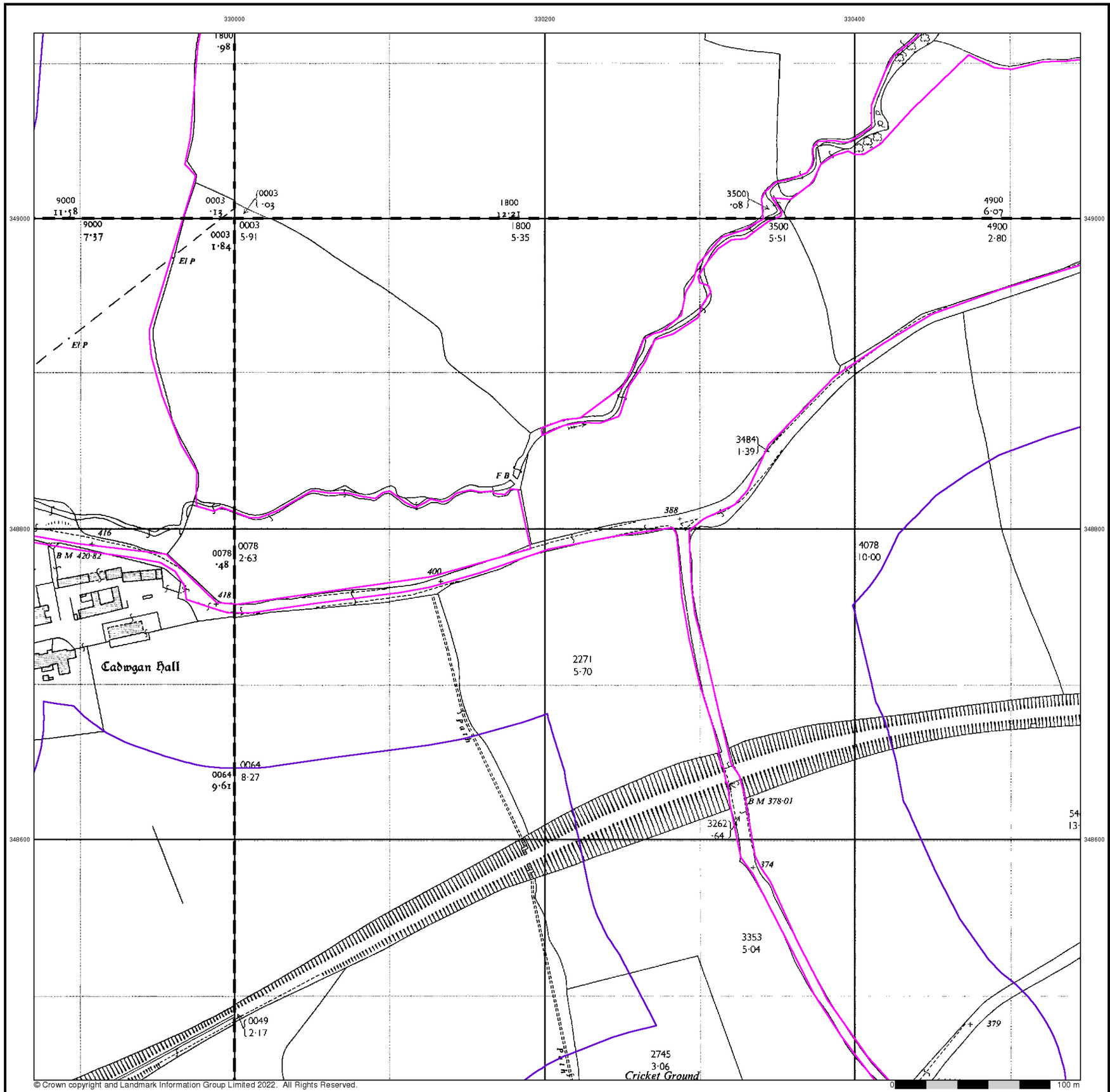

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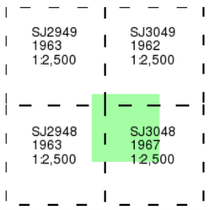

# Ordnance Survey Plan

## Published 1962 - 1967

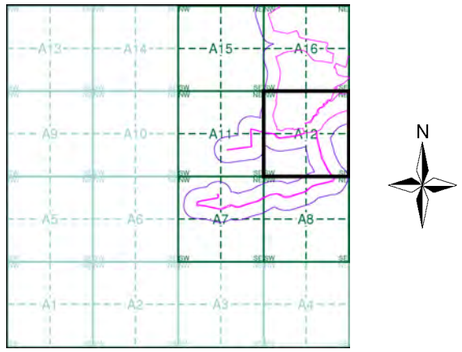
## Source map scale - 1:2,500

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 A12



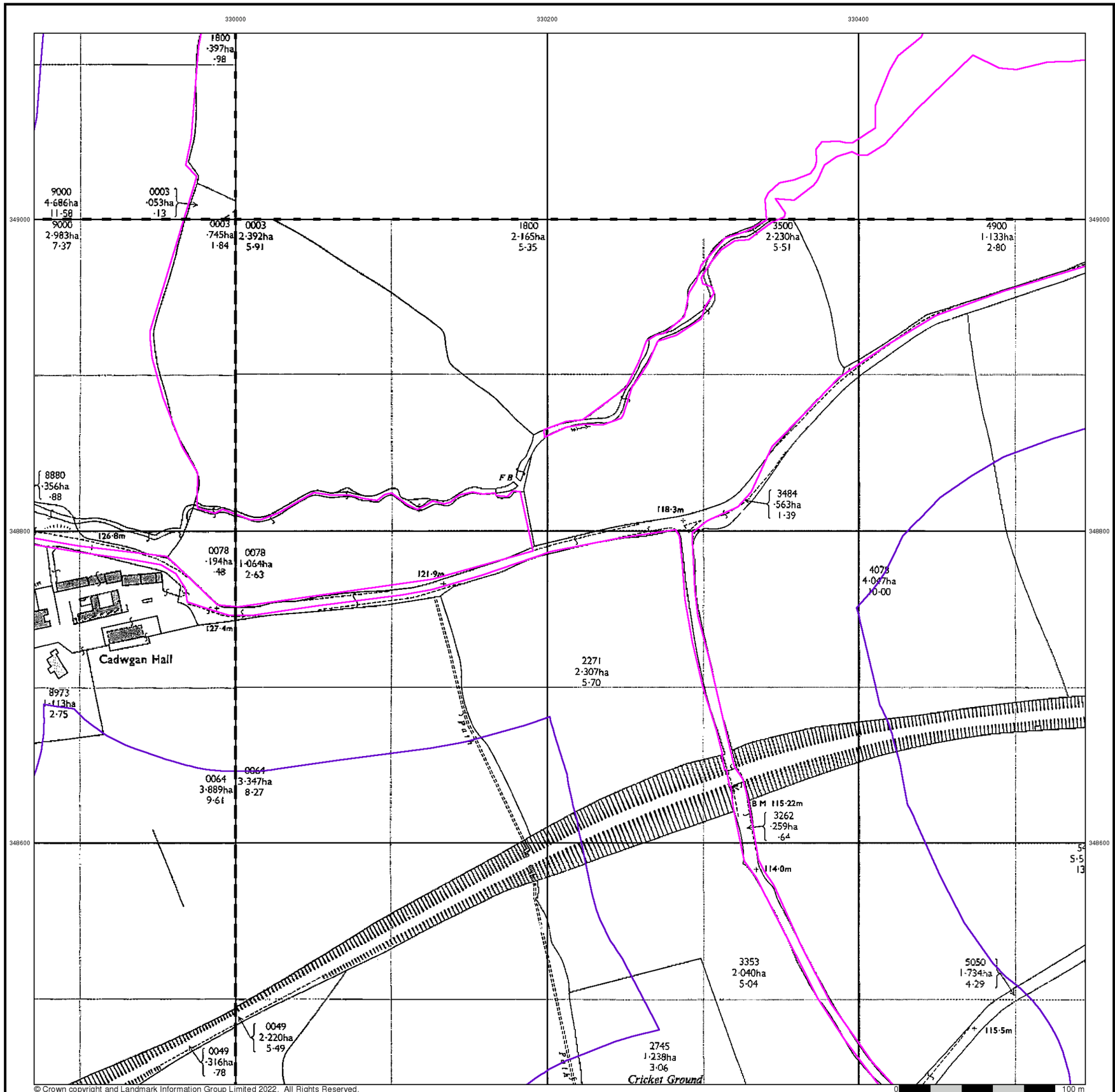

## Order Details

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| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 329550, 348490 |
| Slice: | A |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 100 |

## Site Details

Site at 330330, 350090

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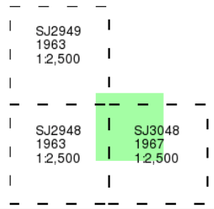
## Additional SIMs

**Published 1963 - 1967**

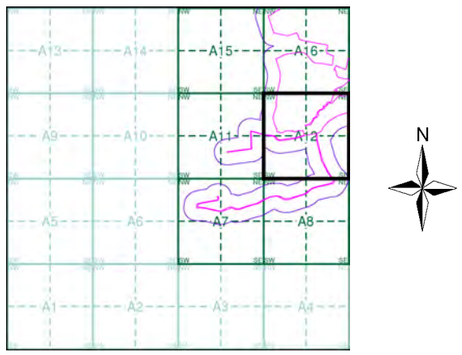
**Source map scale - 1:2,500**

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 A12



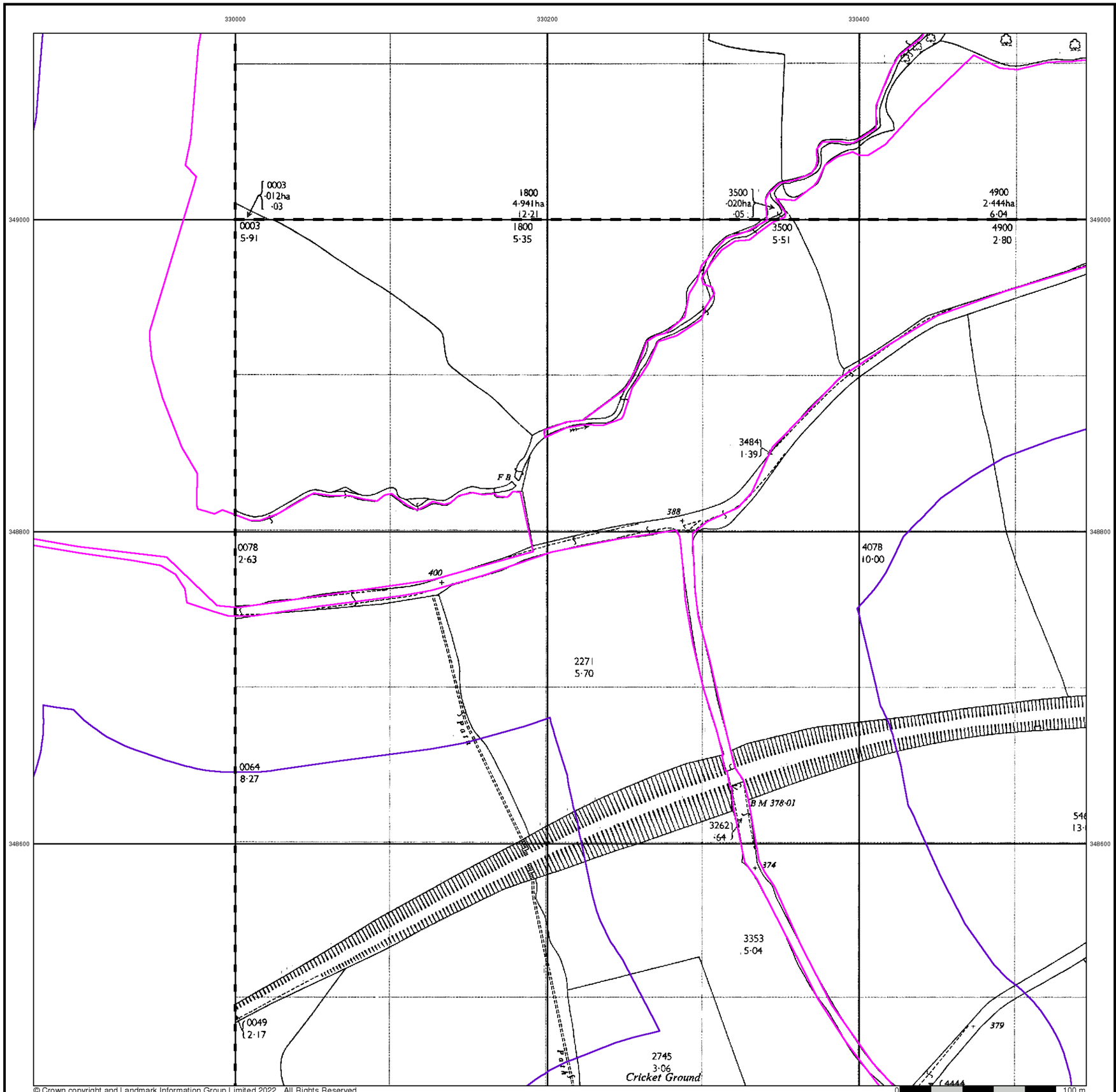

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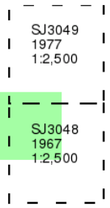
## Ordnance Survey Plan

## Published 1967 - 1977

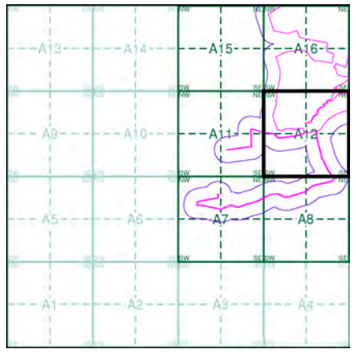
## Source map scale - 1:2,500

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 A12



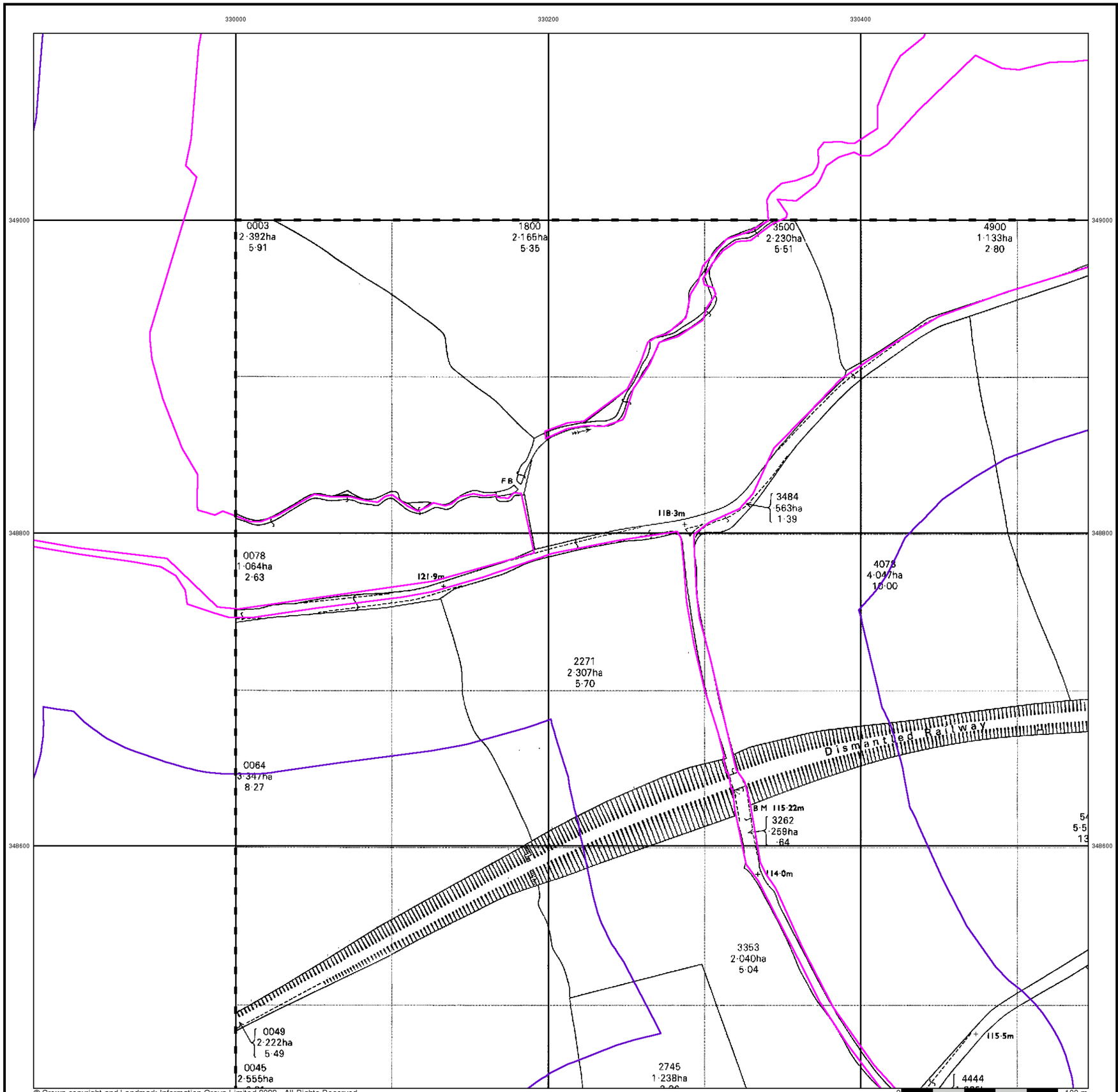

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| Customer Ref: | JER8537 |
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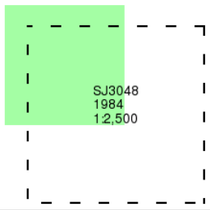
## Ordnance Survey Plan

## Published 1984

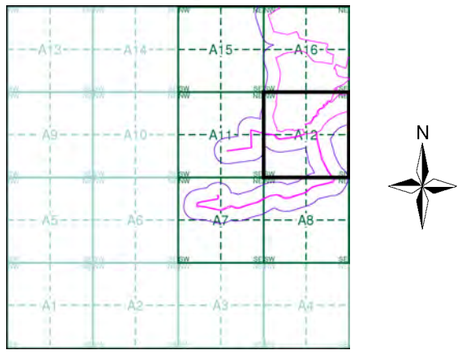
## Source map scale - 1:2,500

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 A12



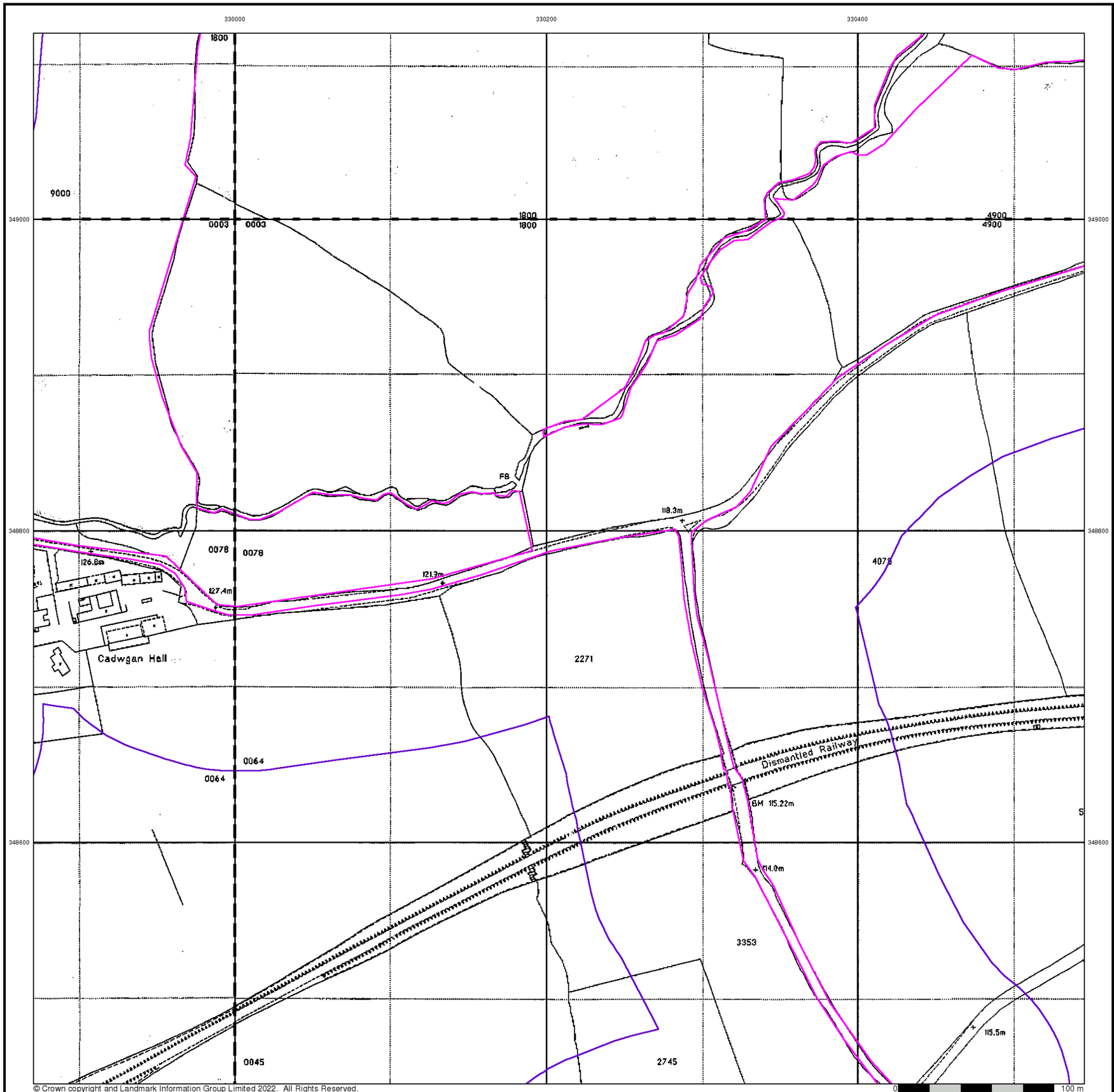

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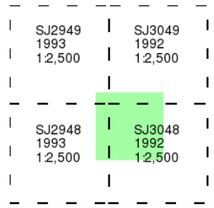
## Large-Scale National Grid Data

**Published 1992 - 1993**

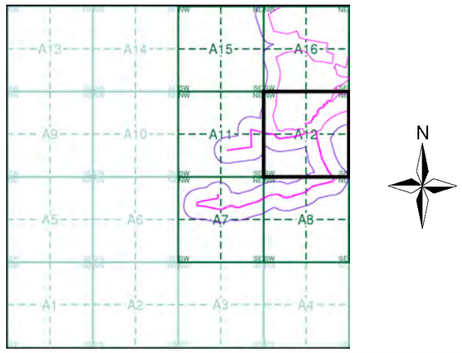
**Source map scale - 1:2,500**

'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)




## Historical Map - Segment A12



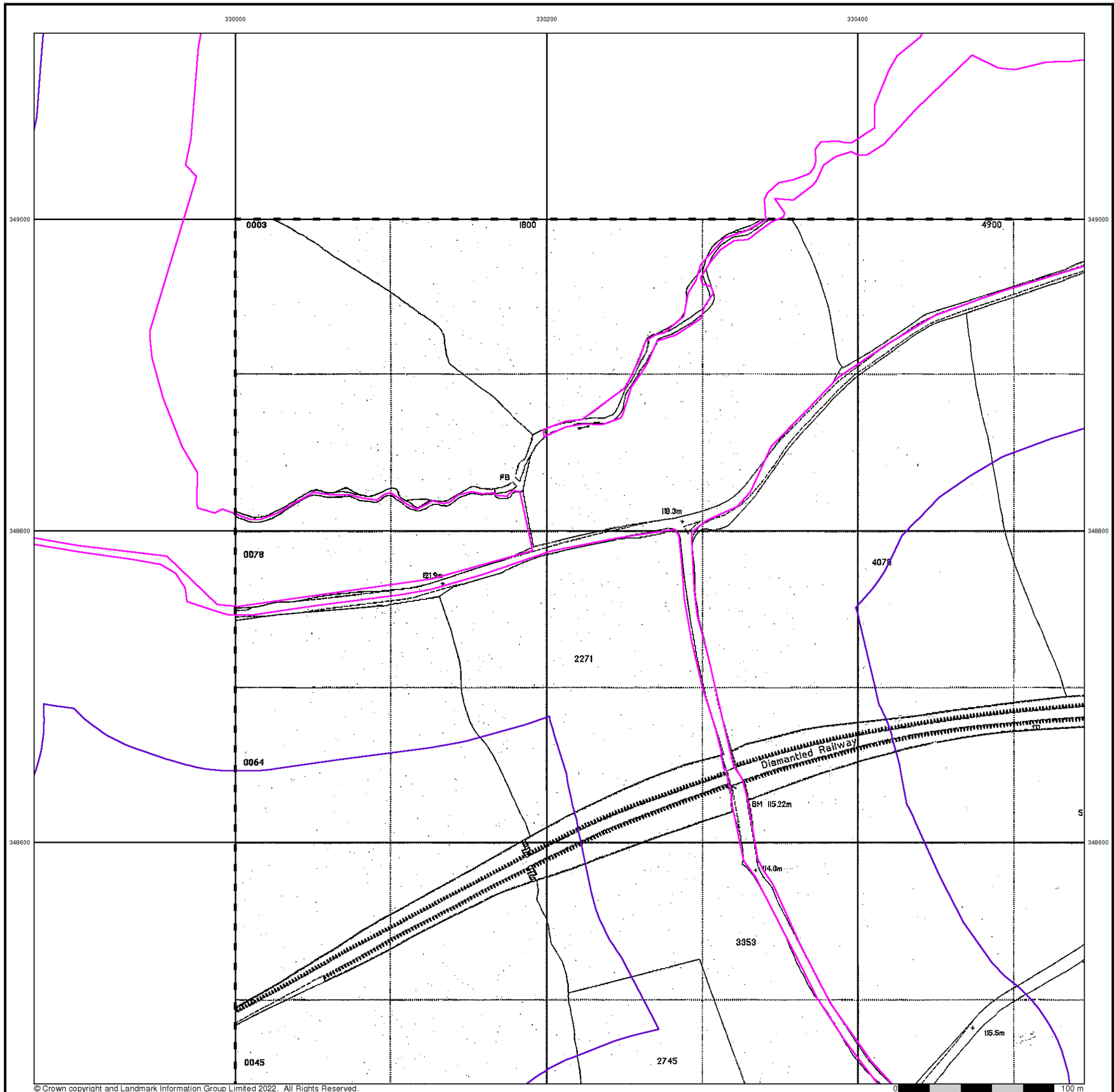

## Order Details

| | |
|---|---|
| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 329550, 348490 |
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| Site Area (Ha): | 145.64 |
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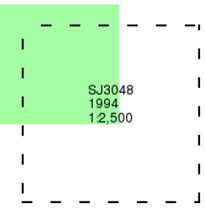
## Large-Scale National Grid Data

**Published 1994**

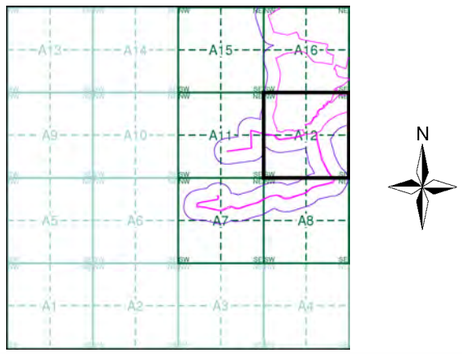
**Source map scale - 1:2,500**

'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)




## Historical Map - Segment A12




## Order Details

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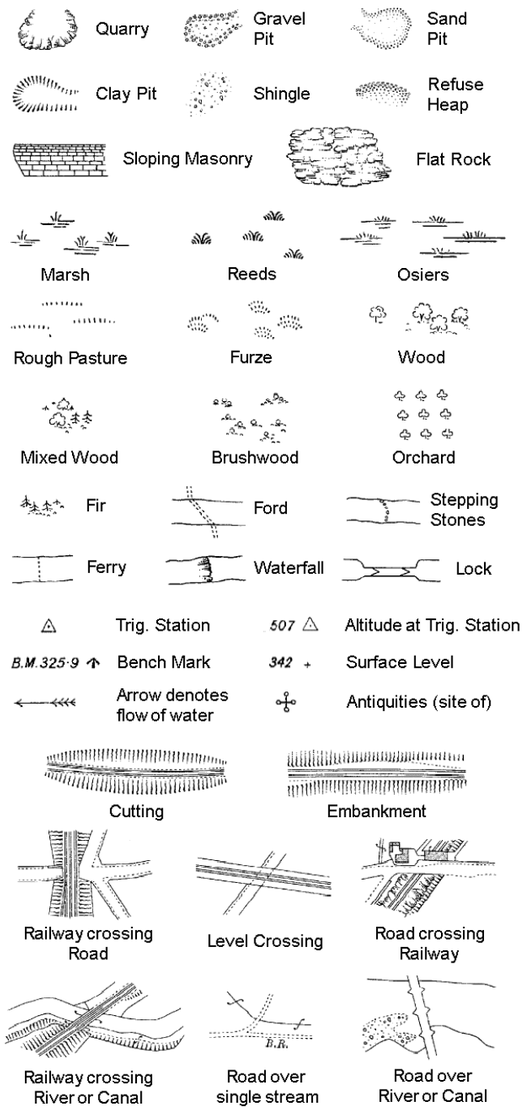
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# Historical Mapping Legends

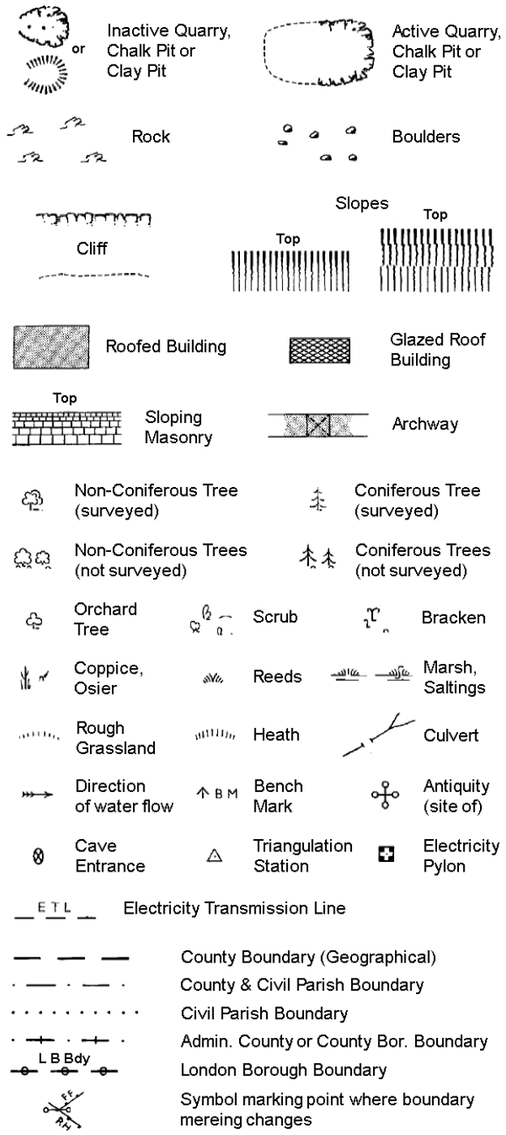
## Ordnance Survey County Series and Ordnance Survey Plan 1:2,500




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 |

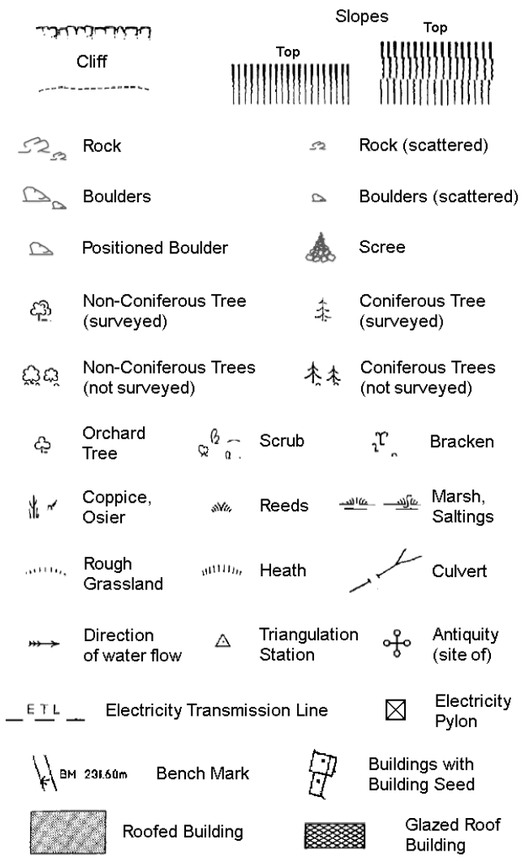
## Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250




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)

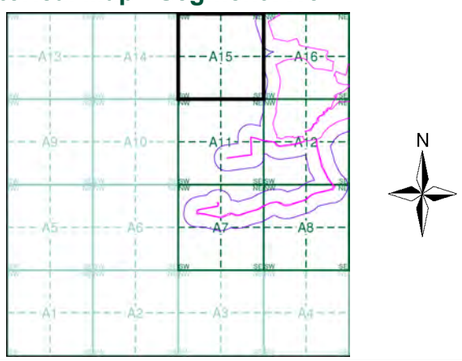
| | | | |
|---|---|---|---|
| Bks | Barracks | P | Pillar, Pole or Post |
| Bty | Battery | PO | Post Office |
| Cemy | Cemetery | PC | Public Convenience |
| Chy | Chimney | Pp | Pump |
| Cis | Cistern | Ppg Sta | Pumping Station |
| Dismtd Rly | Dismantled Railway | PW | Place of Worship |
| El Gen 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 |

rps

## Historical Mapping & Photography included:

| Mapping Type | Scale | Date | Pg |
|---|---|---|---|
| Denbighshire | 1:2,500 | 1873 - 1887 | 2 |
| Denbighshire | 1:2,500 | 1899 | 3 |
| Denbighshire | 1:2,500 | 1912 | 4 |
| Ordnance Survey Plan | 1:2,500 | 1963 | 5 |
| Additional SIMs | 1:2,500 | 1963 | 6 |
| Large-Scale National Grid Data | 1:2,500 | 1993 | 7 |

## Historical Map - Segment A15



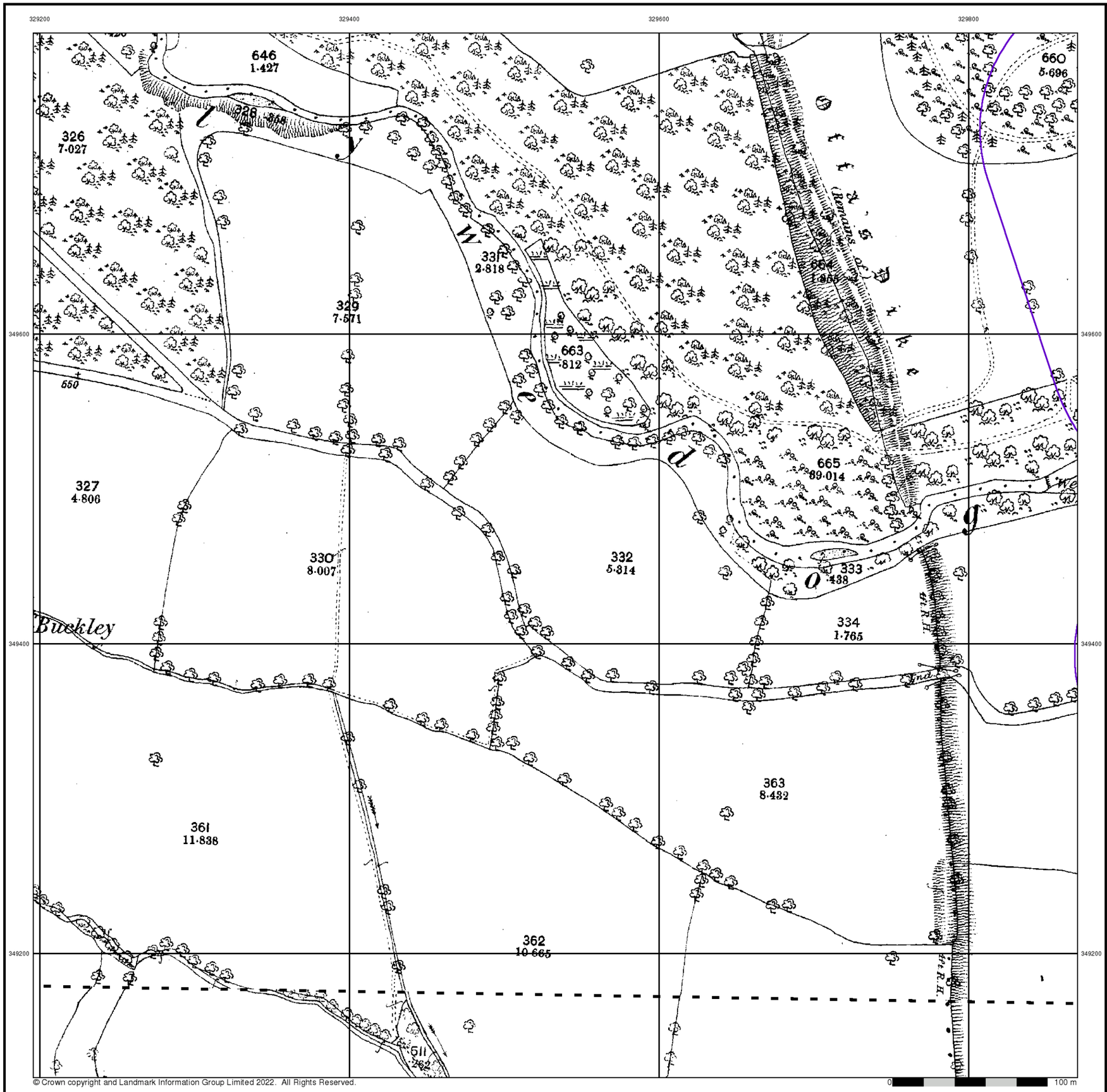

## Order Details

Order Number: 291151542_1_1
Customer Ref: JER8537
National Grid Reference: 329550, 348490
Slice: A
Site Area (Ha): 145.64
Search Buffer (m): 100

## Site Details

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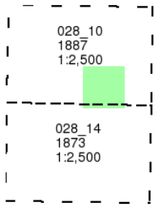
## Denbighshire

## Published 1873 - 1887

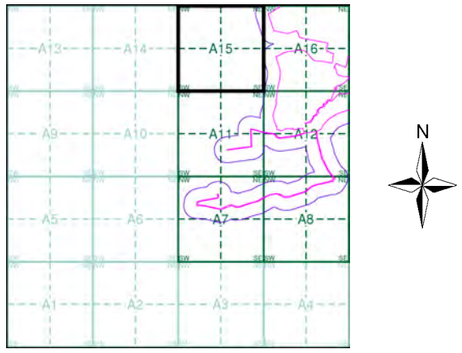
## Source map scale - 1:2,500

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 A15



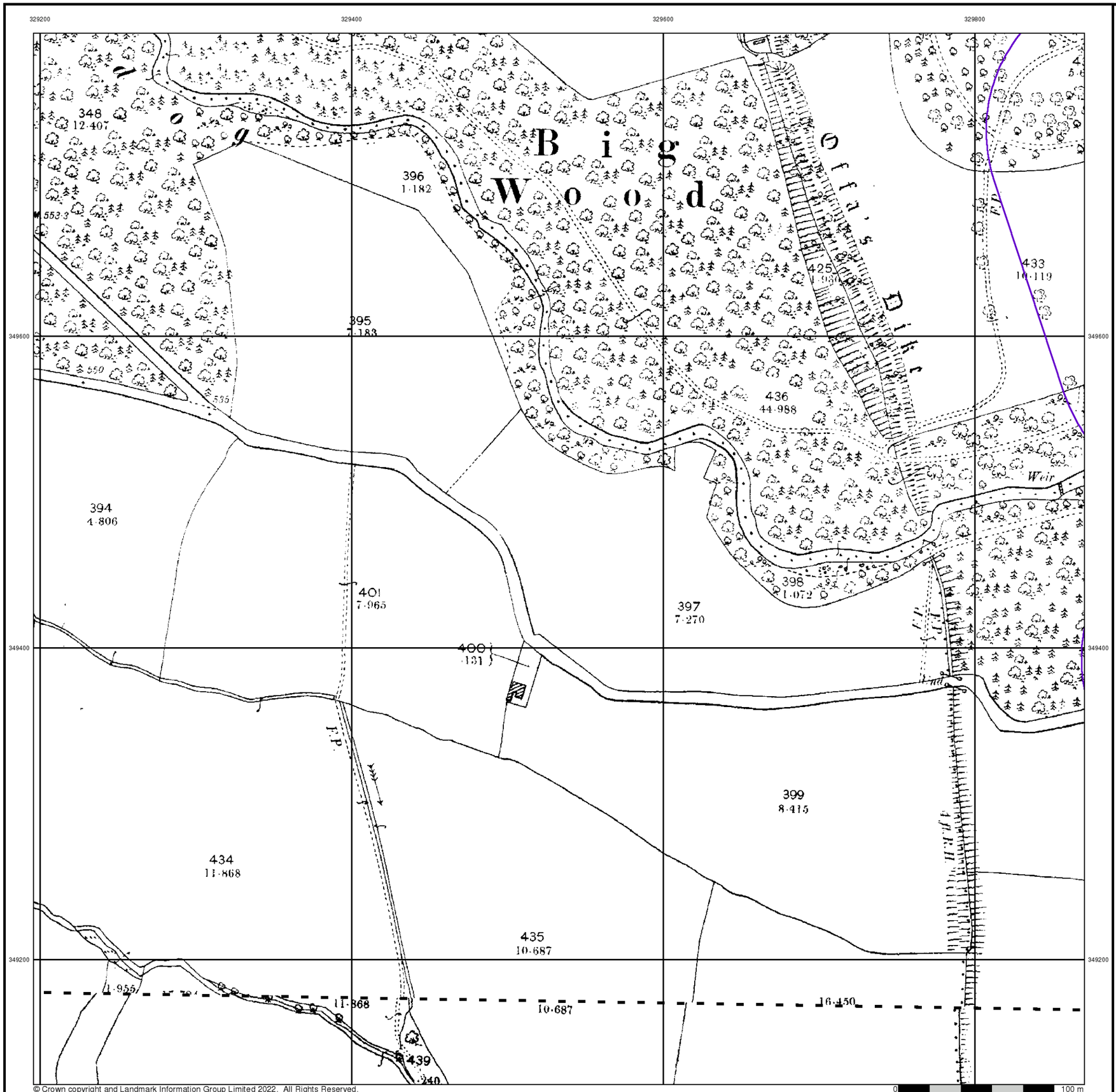

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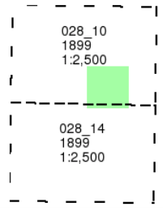

## Denbighshire

## Published 1899

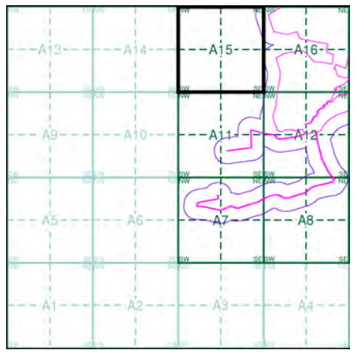
## Source map scale - 1:2,500

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## Map Name(s) and Date(s)




## Historical Map - Segment A15



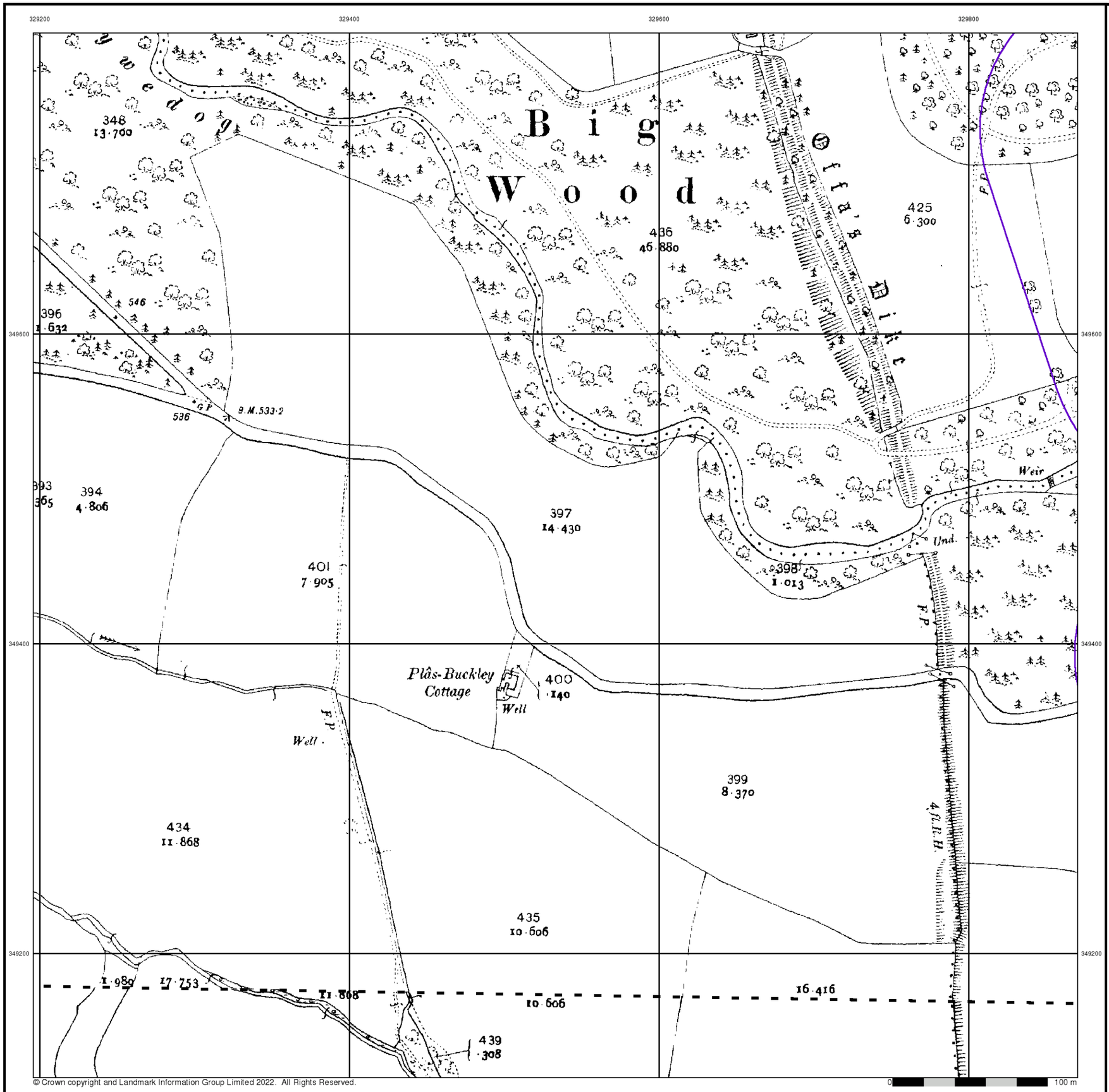

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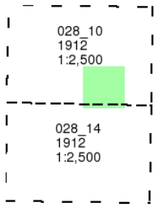
## Denbighshire

## Published 1912

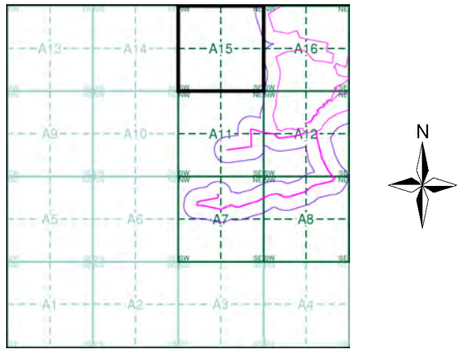
## Source map scale - 1:2,500

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## Historical Map - Segment A15



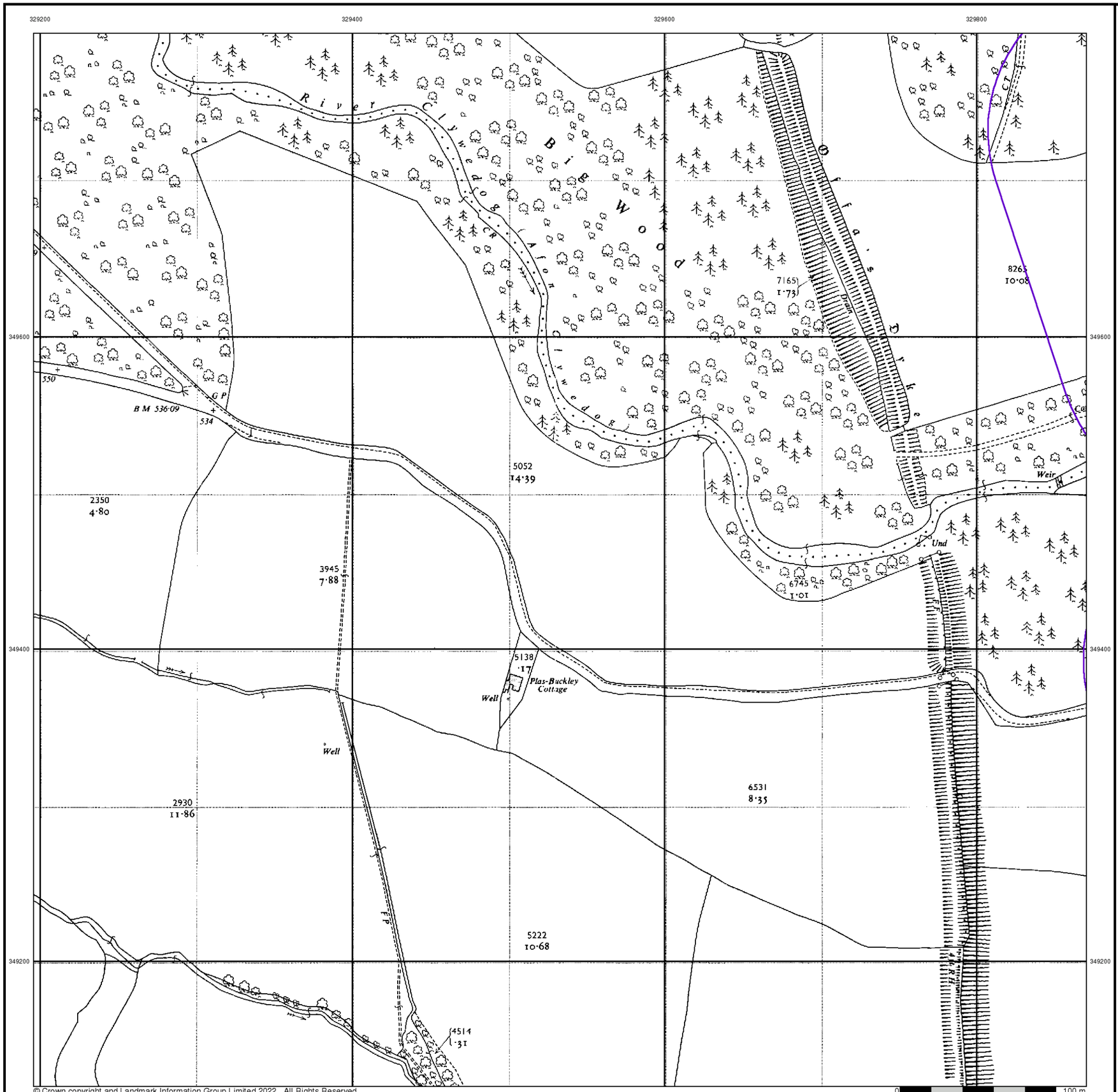

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## Ordnance Survey Plan

## Published 1963

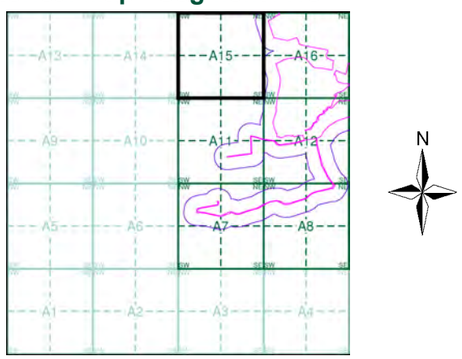
## Source map scale - 1:2,500

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)




## Historical Map - Segment A15



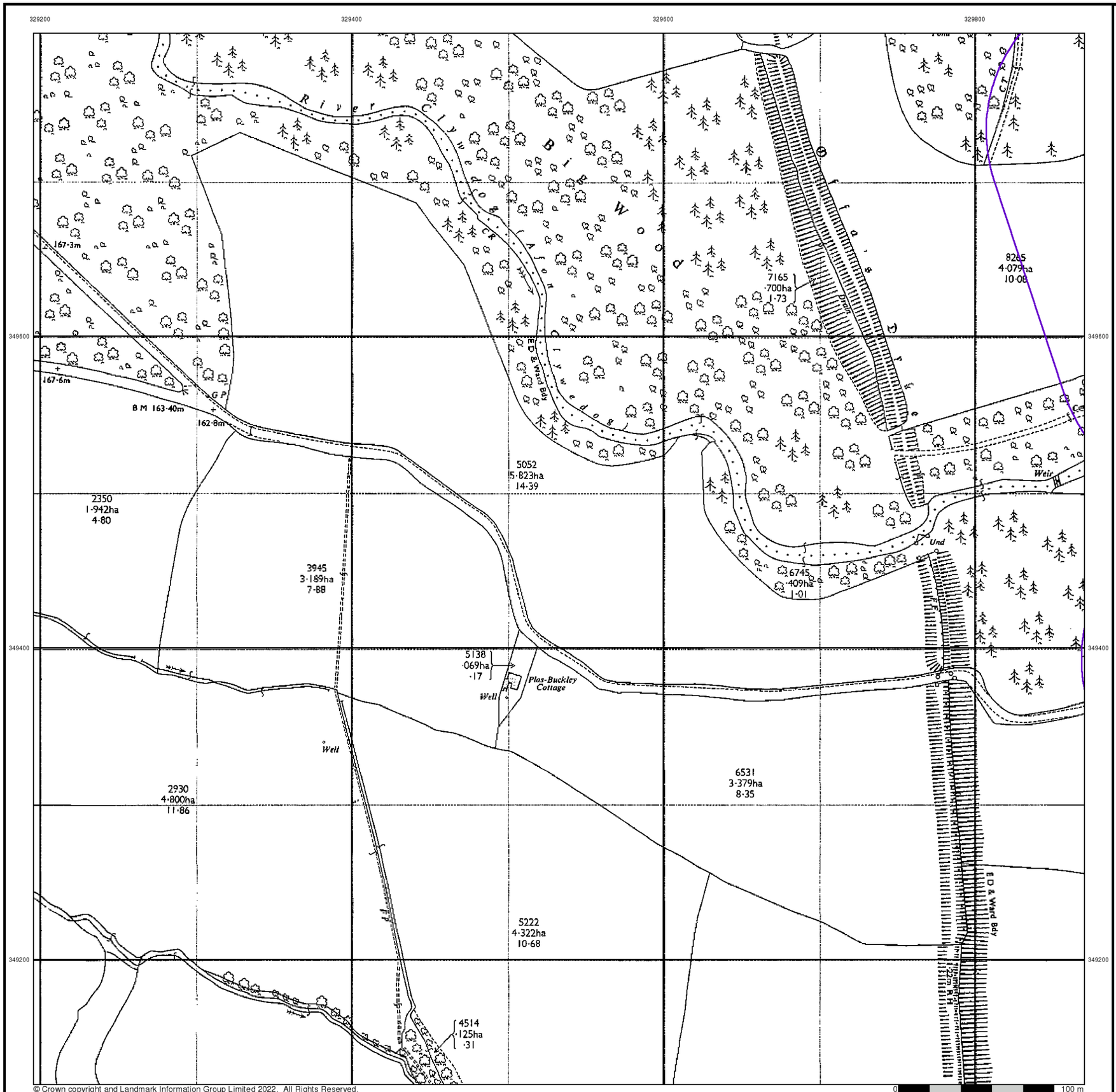

## Order Details

| | |
|---|---|
| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 329550, 348490 |
| Slice: | A |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 100 |

## Site Details

Site at 330330, 350090

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## Additional SIMs

## Published 1963

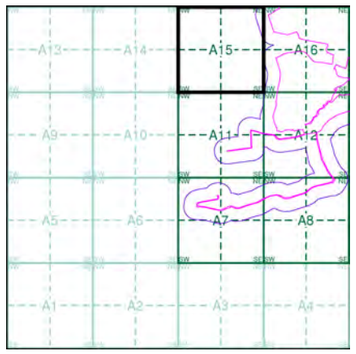
## Source map scale - 1:2,500

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 A15



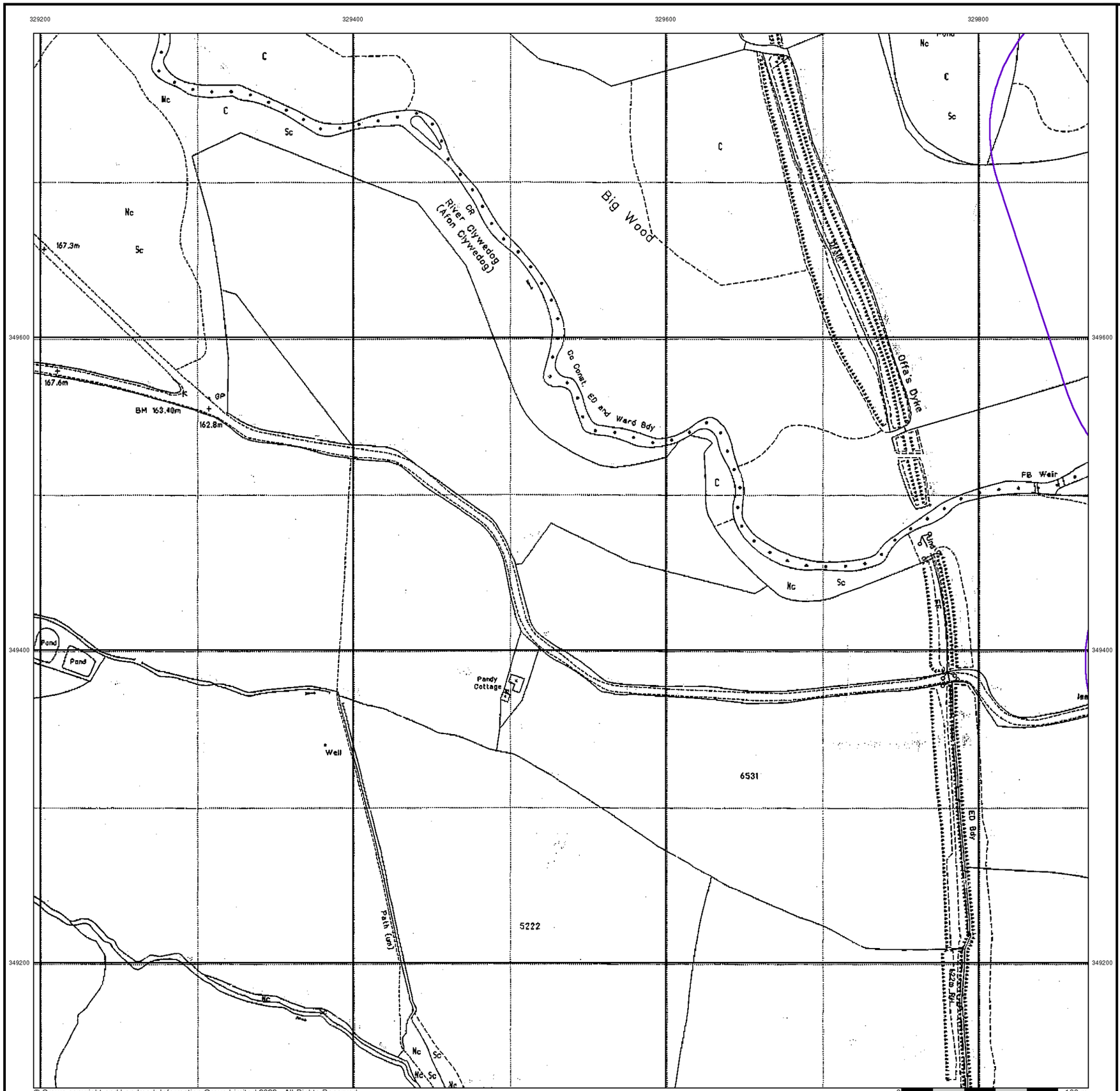

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## Large-Scale National Grid Data

**Published 1993**

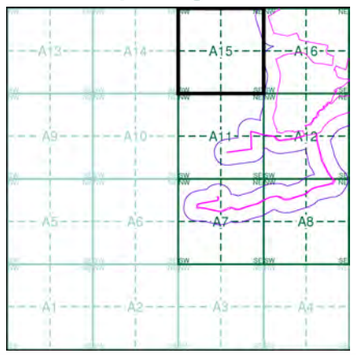
**Source map scale - 1:2,500**

'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)




## Historical Map - Segment A15




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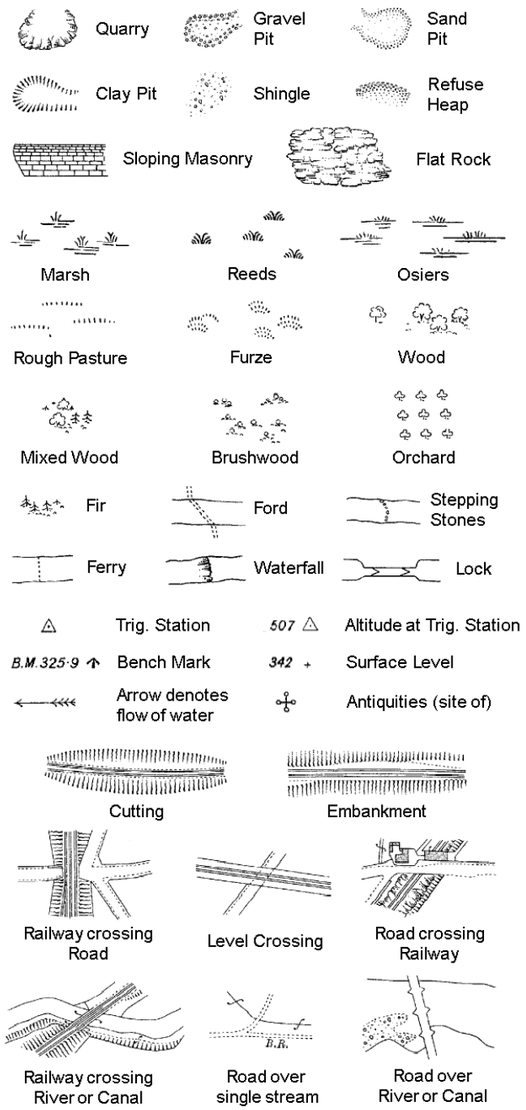
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# Historical Mapping Legends

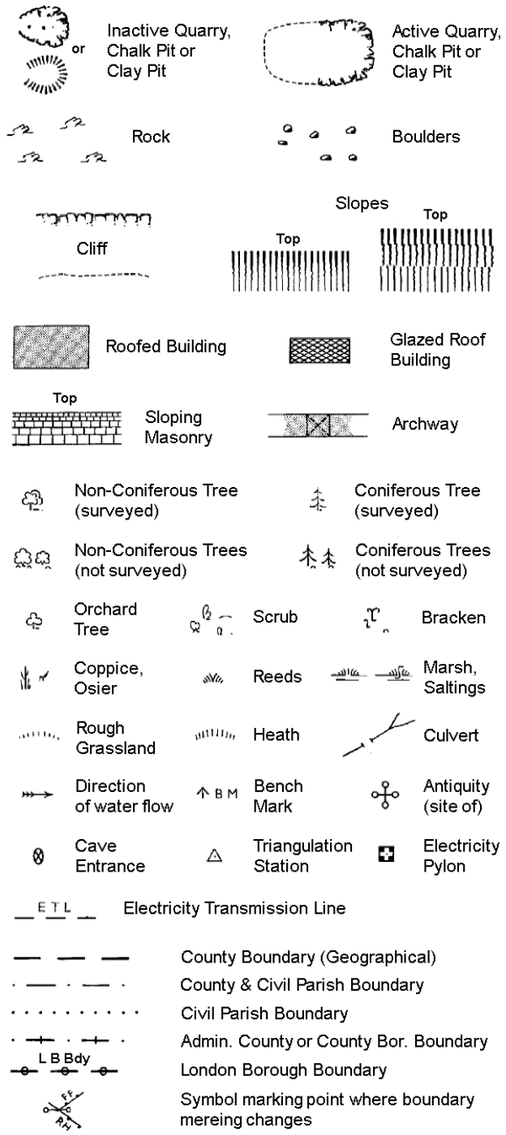
## Ordnance Survey County Series and Ordnance Survey Plan 1:2,500




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 |

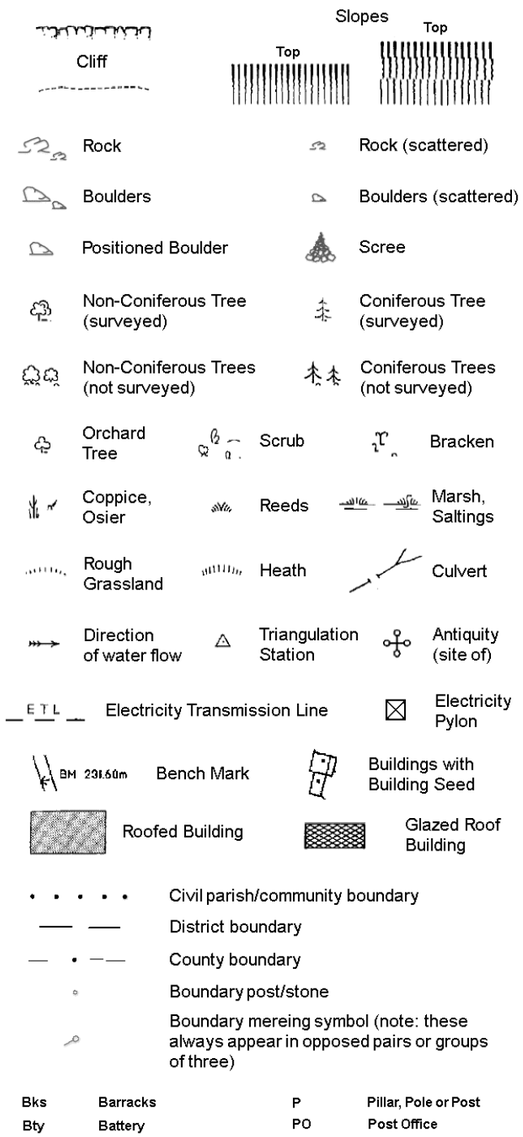
## Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250




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



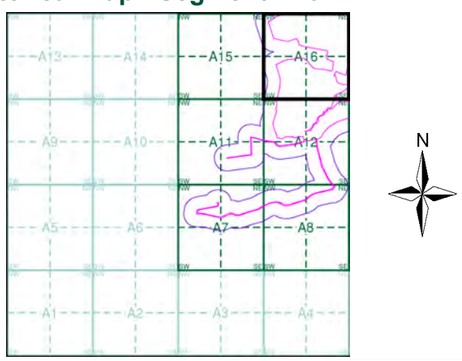

Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

| | | | |
|---|---|---|---|
| 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 |

## Historical Mapping & Photography included:

| Mapping Type | Scale | Date | Pg |
|---|---|---|---|
| Denbighshire | 1:2,500 | 1872 - 1887 | 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 | 1963 | 6 |
| Ordnance Survey Plan | 1:2,500 | 1977 | 7 |
| Large-Scale National Grid Data | 1:2,500 | 1992 - 1993 | 8 |

## Historical Map - Segment A16



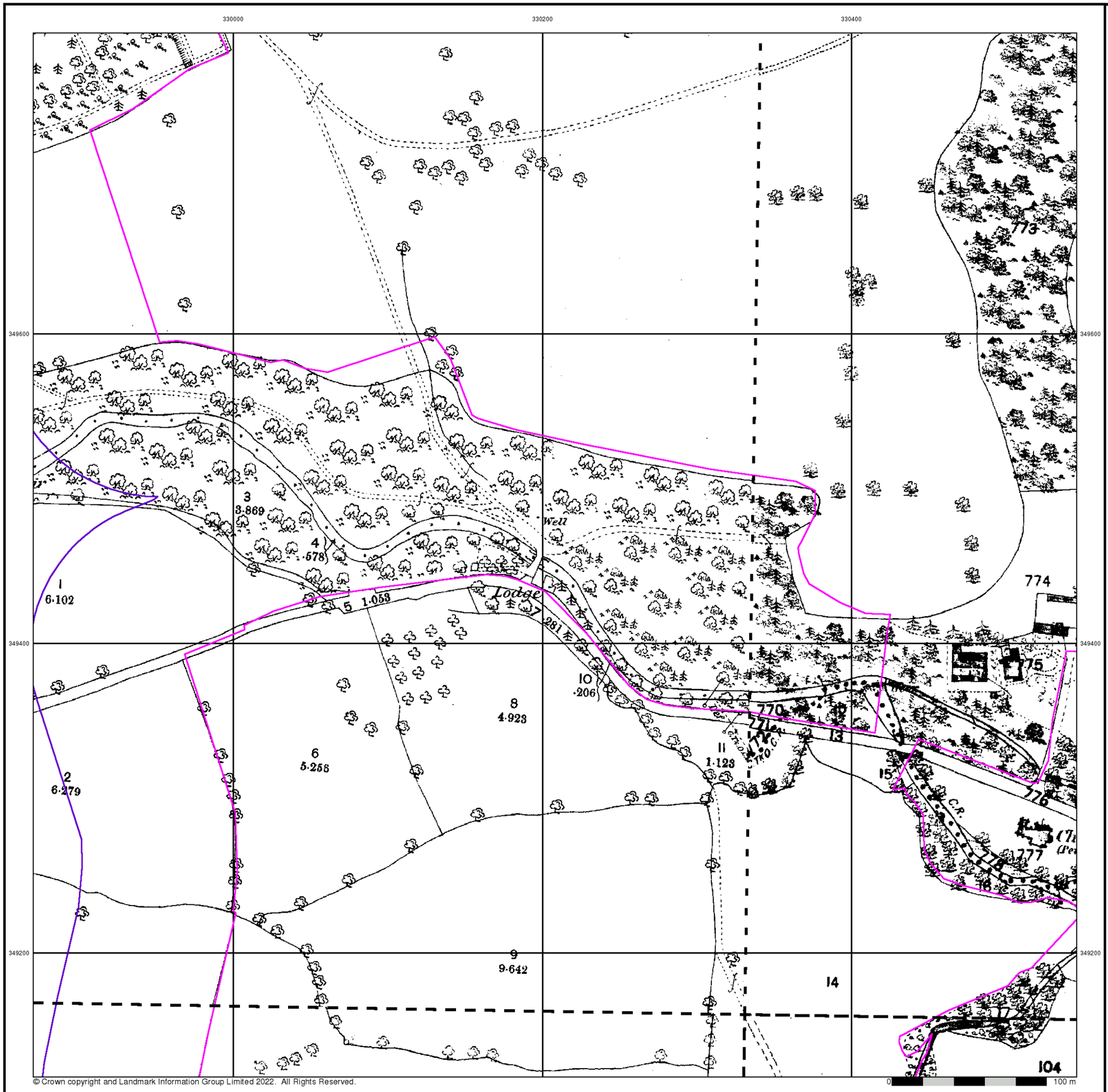

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Slice: A
Site Area (Ha): 145.64
Search Buffer (m): 100

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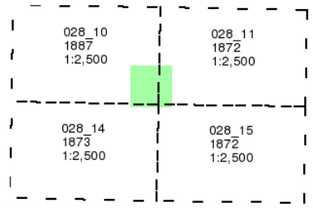
## Denbighshire

## Published 1872 - 1887

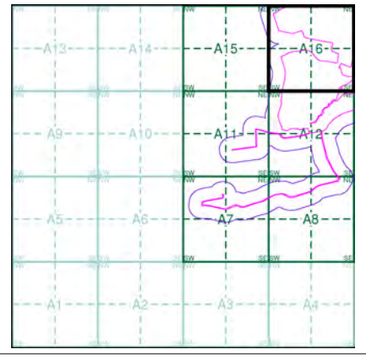
## Source map scale - 1:2,500

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## Map Name(s) and Date(s)




## Historical Map - Segment A16



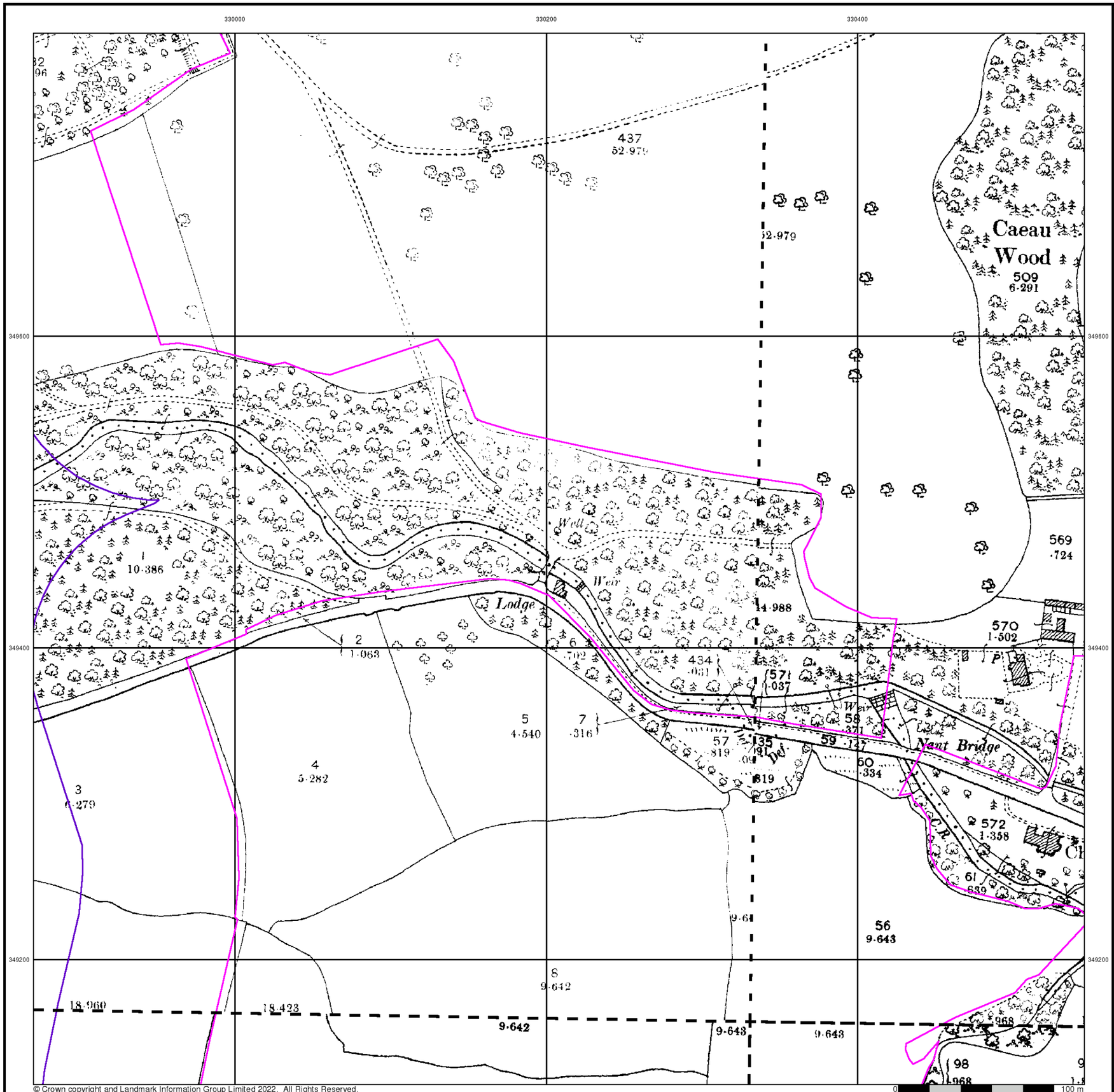

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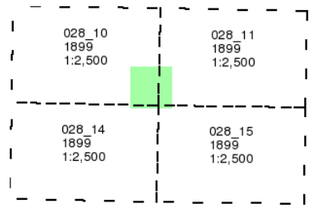
## Denbighshire

## Published 1899

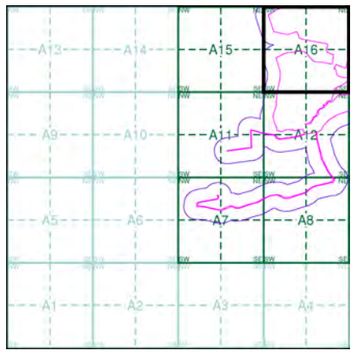
## Source map scale - 1:2,500

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## Map Name(s) and Date(s)




## Historical Map - Segment A16



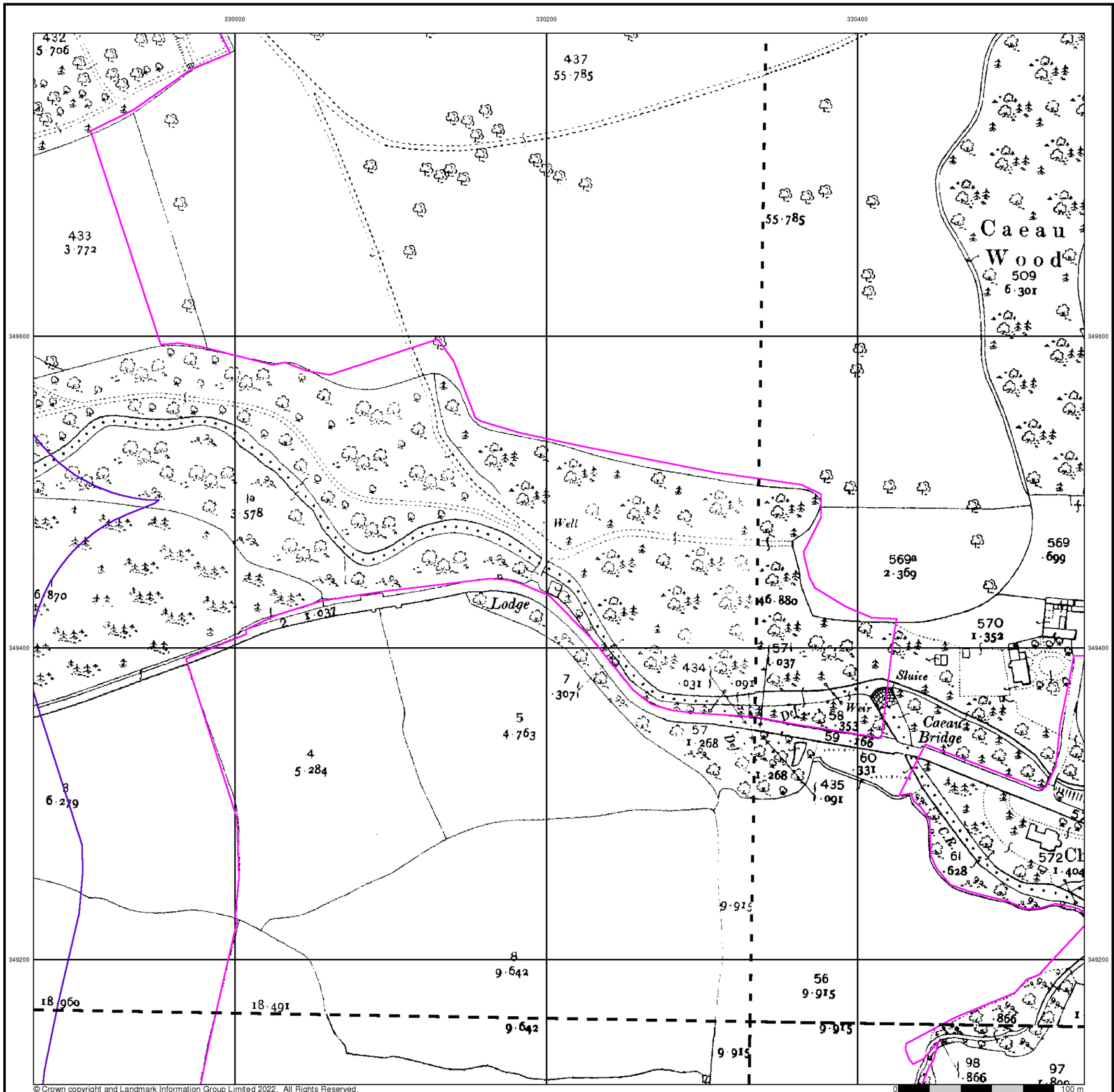

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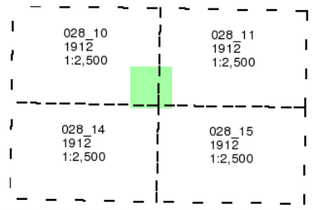

# Denbighshire

## Published 1912

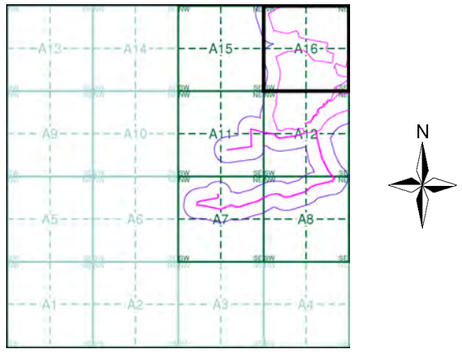
## Source map scale - 1:2,500

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## Map Name(s) and Date(s)




## Historical Map - Segment A16



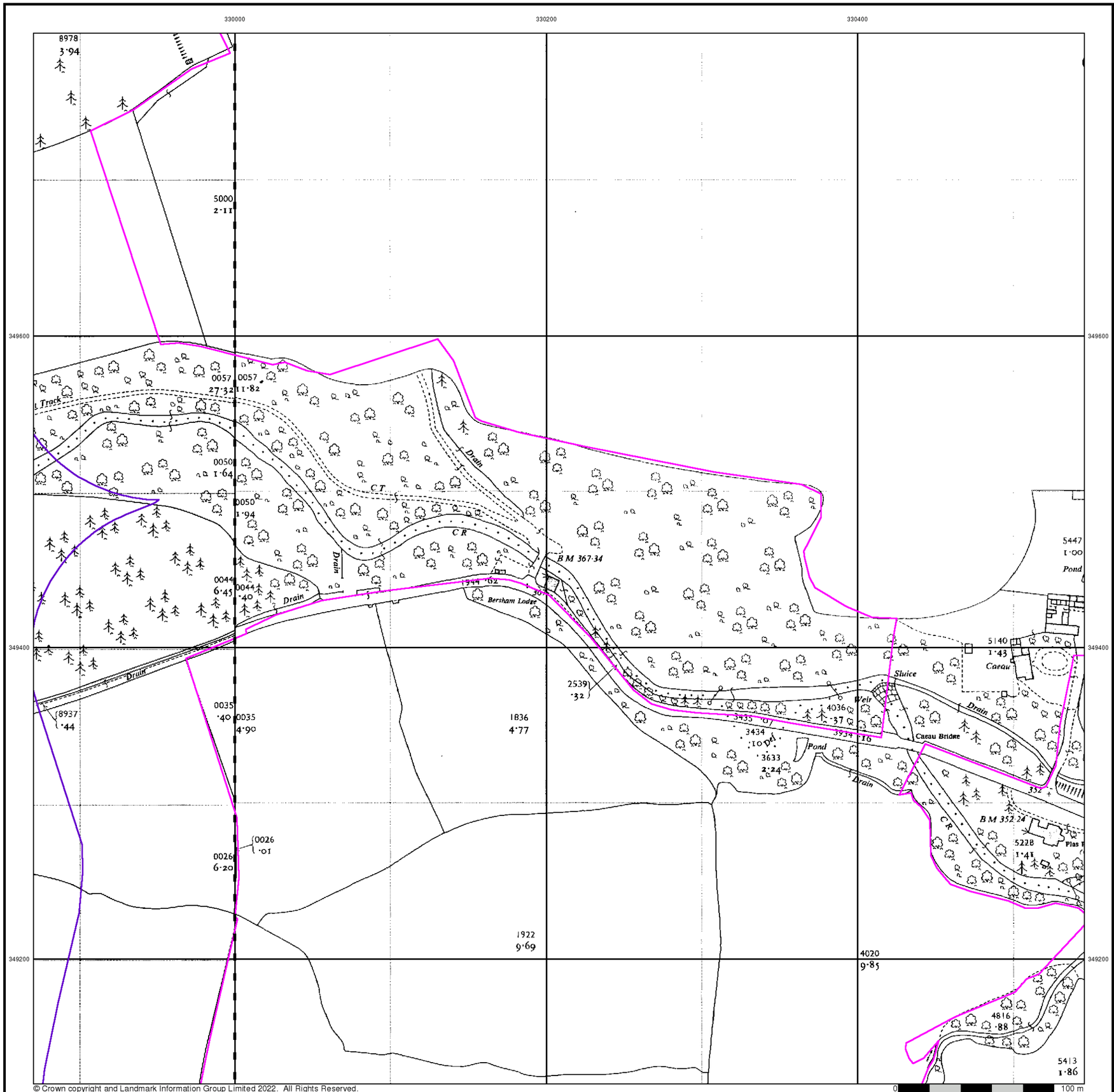

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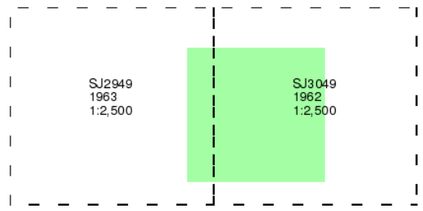
## Ordnance Survey Plan

## Published 1962 - 1963

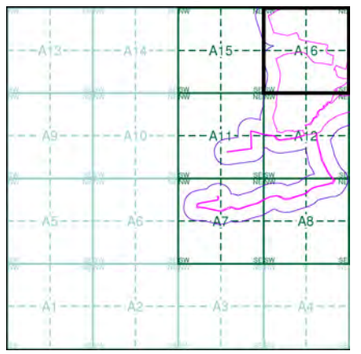
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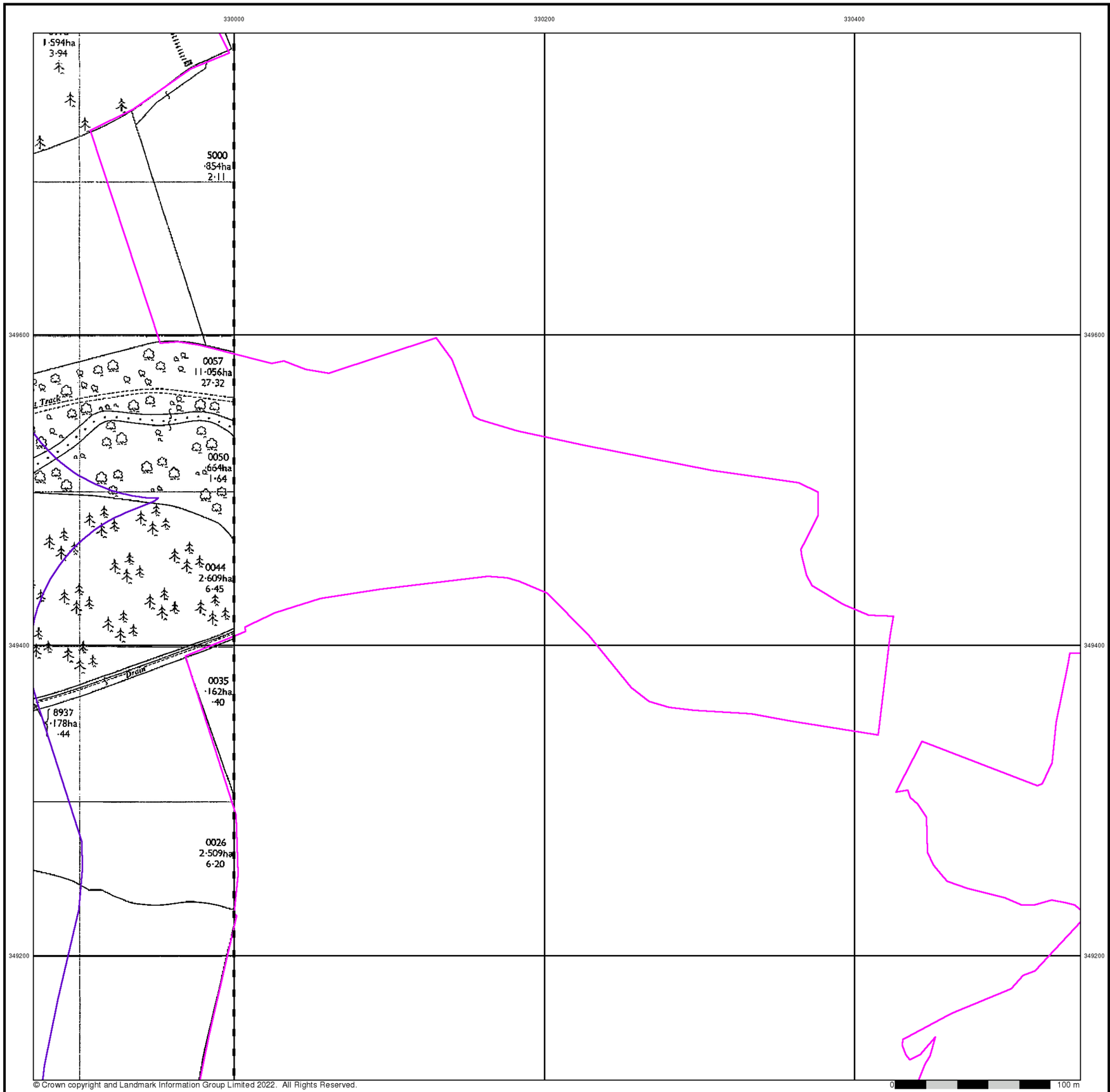

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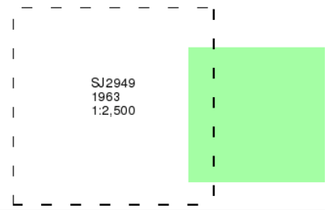
## Additional SIMs

**Published 1963**

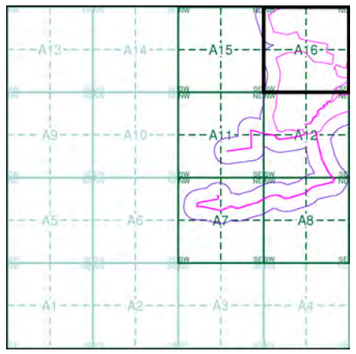
**Source map scale - 1:2,500**

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## Historical Map - Segment A16



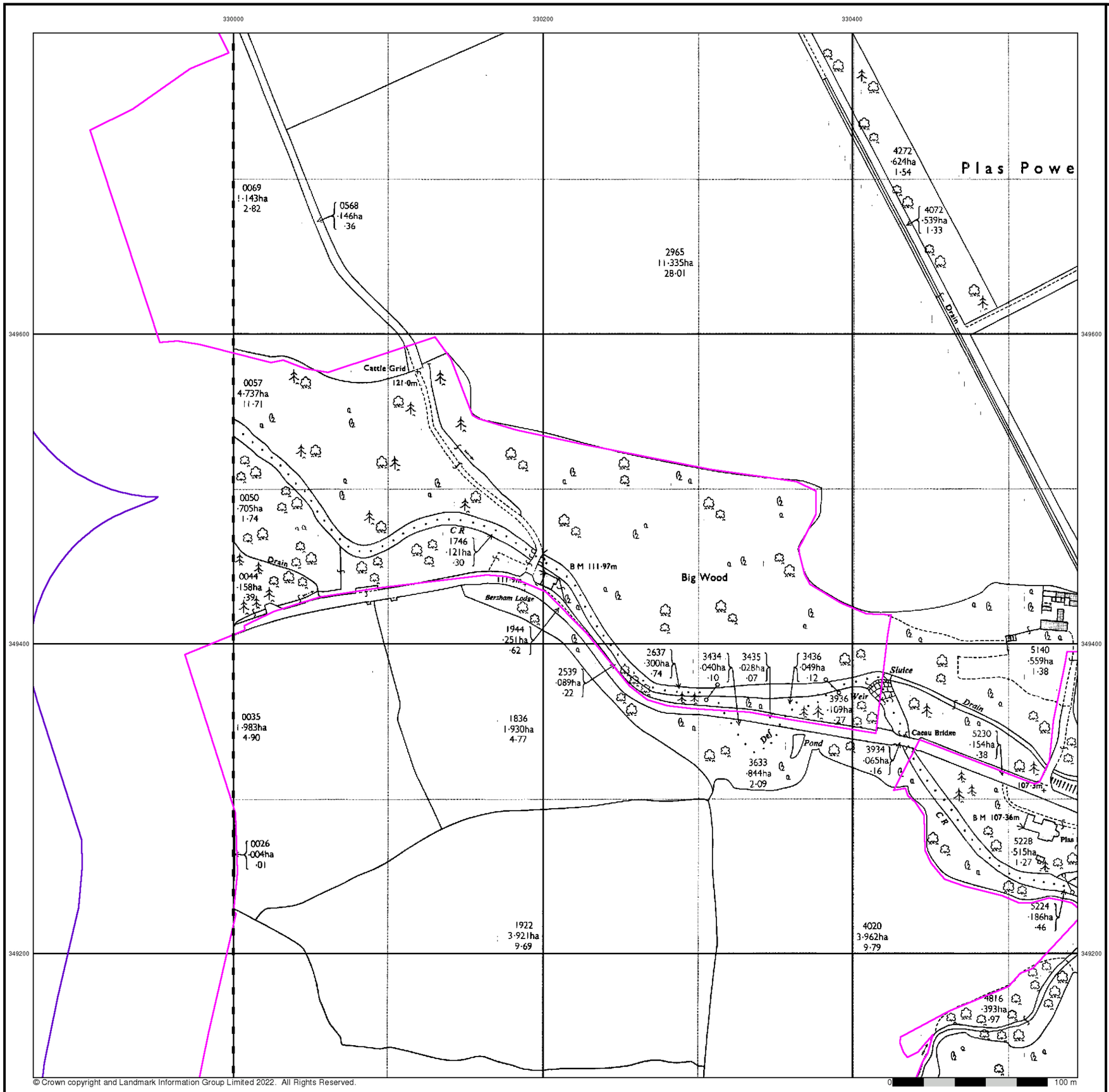

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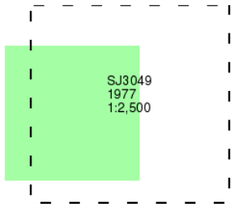

# Ordnance Survey Plan

## Published 1977

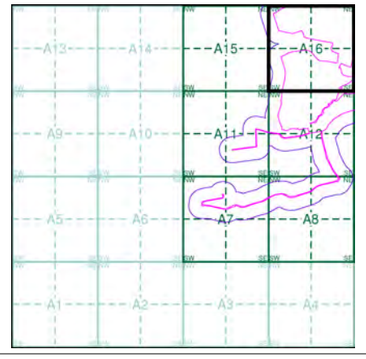
## Source map scale - 1:2,500

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## Map Name(s) and Date(s)




## Historical Map - Segment A16



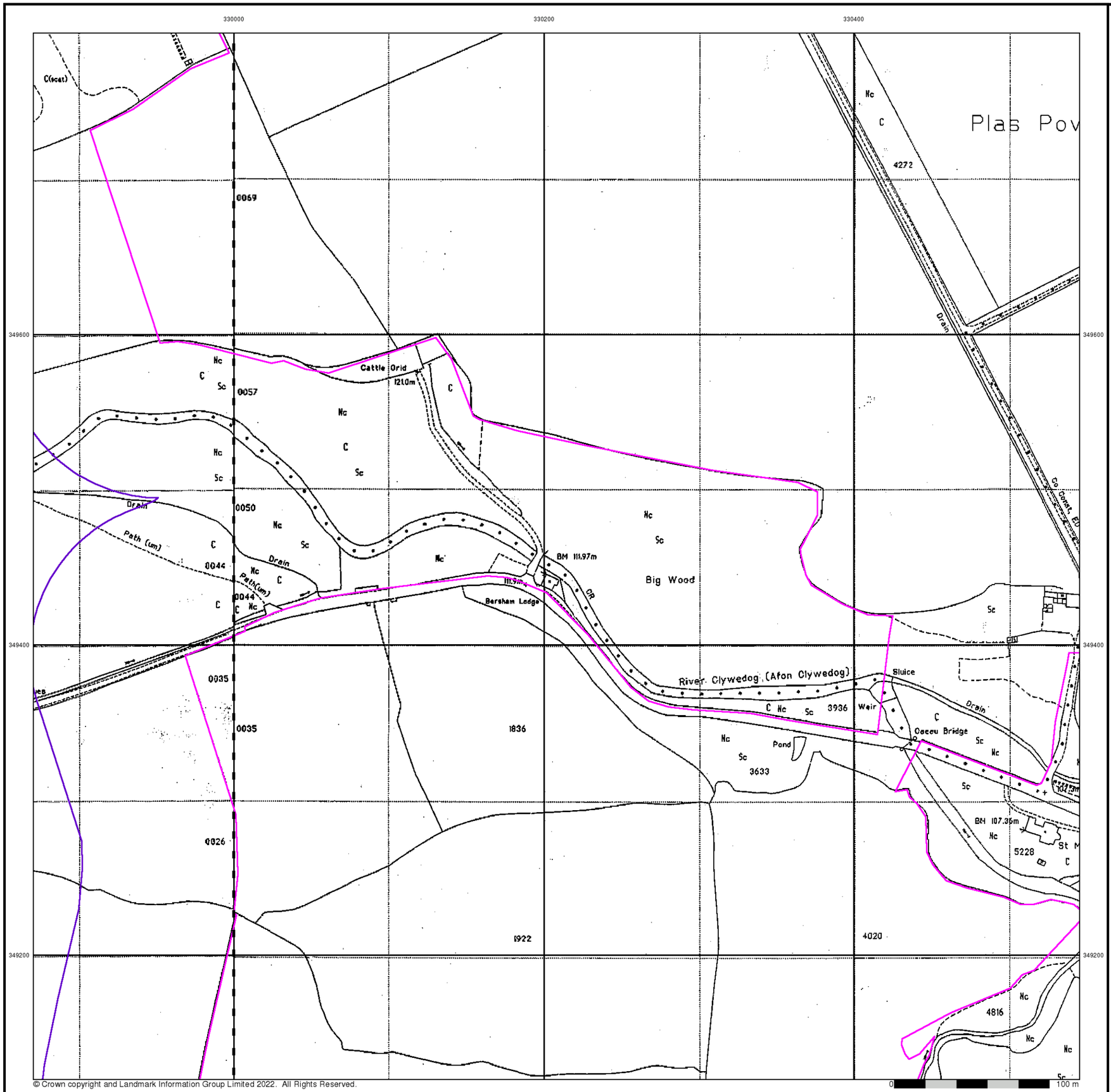

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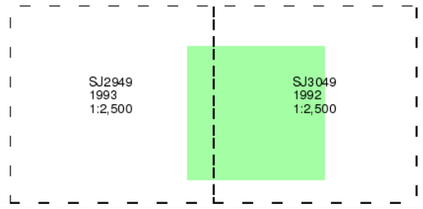
## Large-Scale National Grid Data

**Published 1992 - 1993**

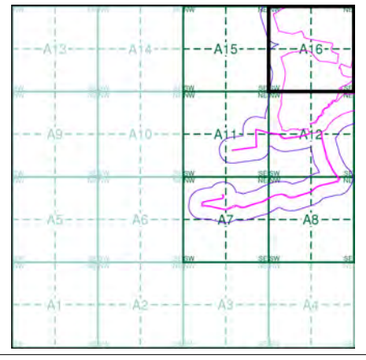
**Source map scale - 1:2,500**

'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)




## Historical Map - Segment A16



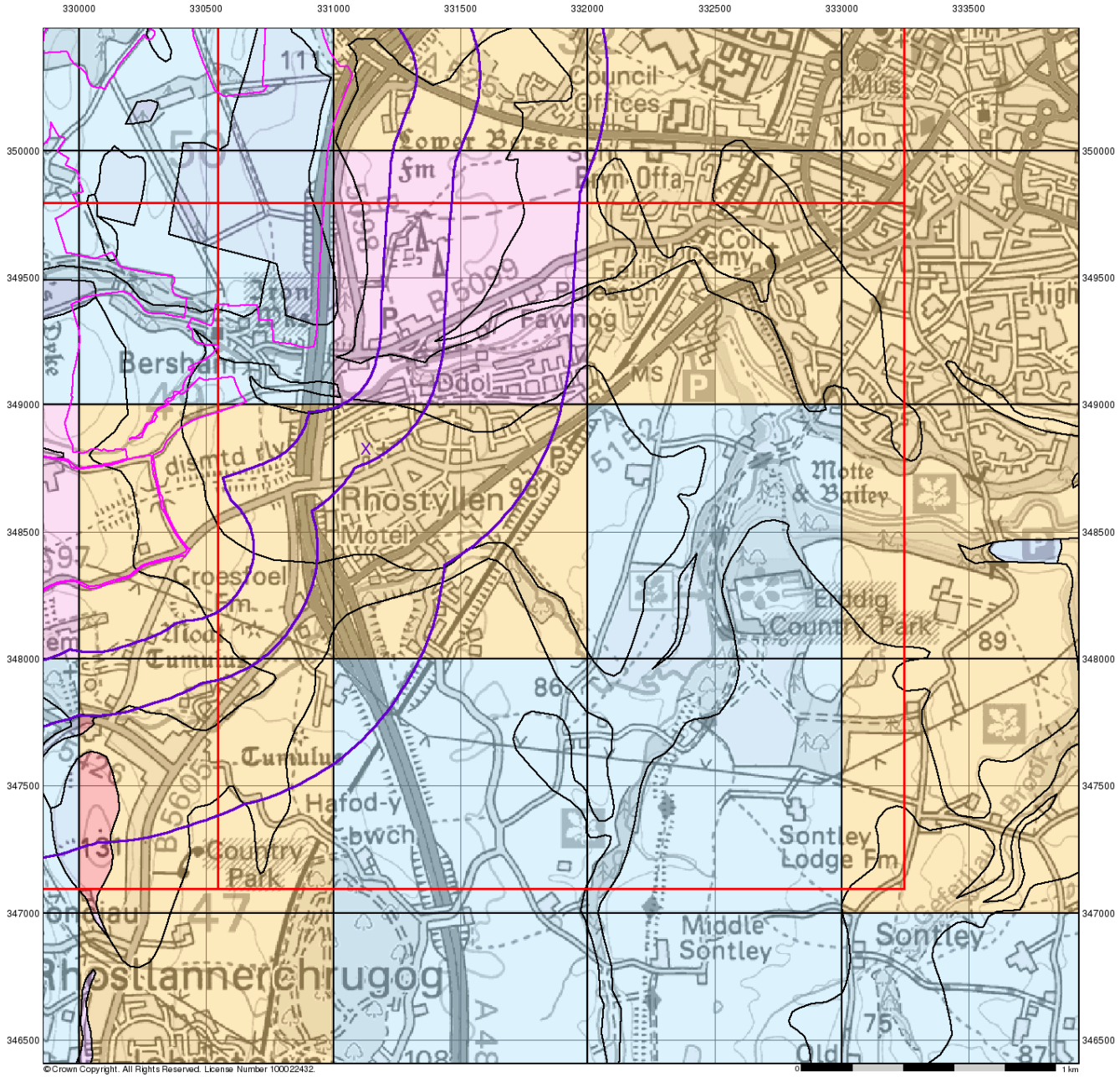

## Order Details

| | |
|---|---|
| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 329550, 348490 |
| Slice: | A |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 100 |

## Site Details

Site at 330330, 350090

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




# Groundwater Vulnerability

## General

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

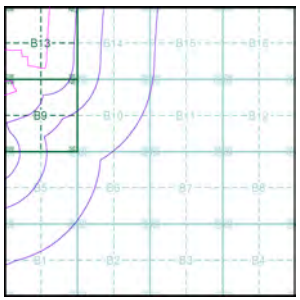
## Agency and Hydrological

| 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 B



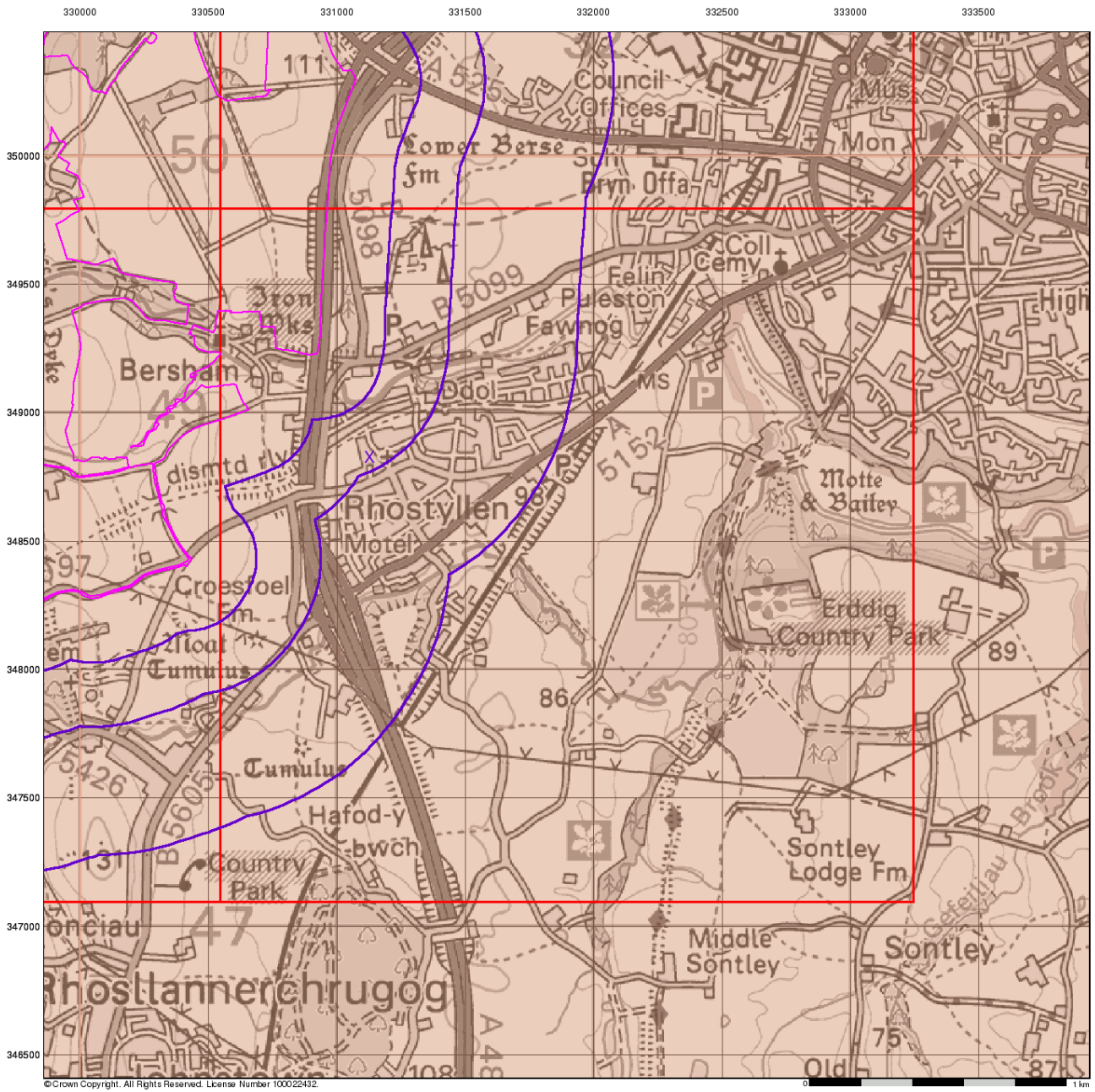

## Order Details

| | |
|---|---|
| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 331130, 348830 |
| Slice: | B |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 1000 |

## Site Details

Site at 330330, 350090

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




# Bedrock Aquifer Designation

## General

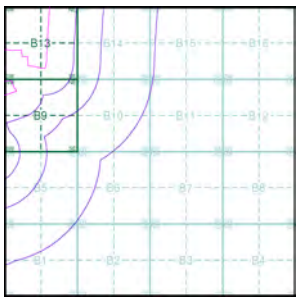
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

## 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 B



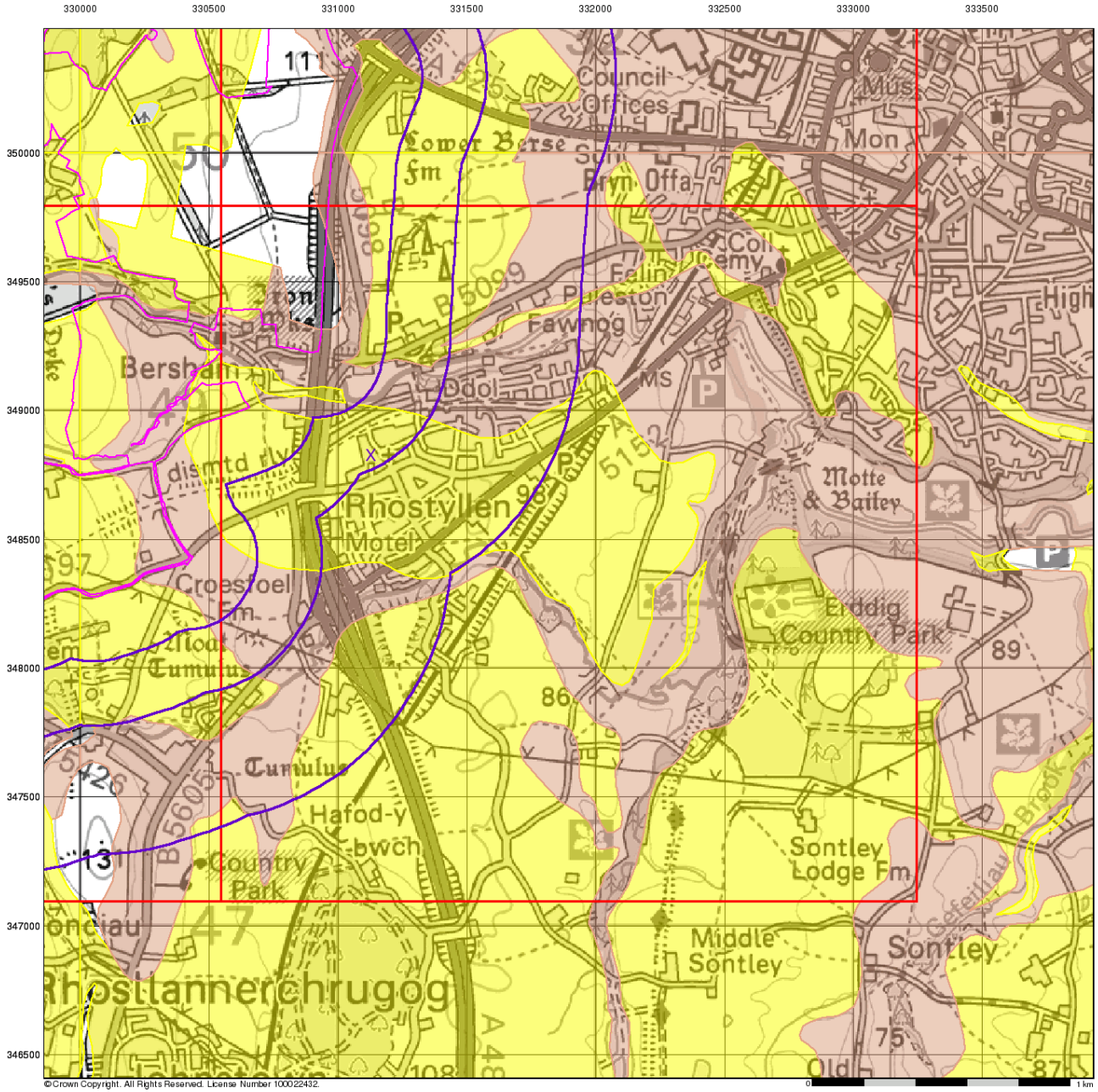

## Order Details

| | |
|---|---|
| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 331130, 348830 |
| Slice: | B |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 1000 |

## Site Details

Site at 330330, 350090

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




# Superficial Aquifer Designation

## General

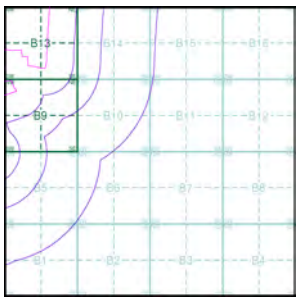
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

## 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 B



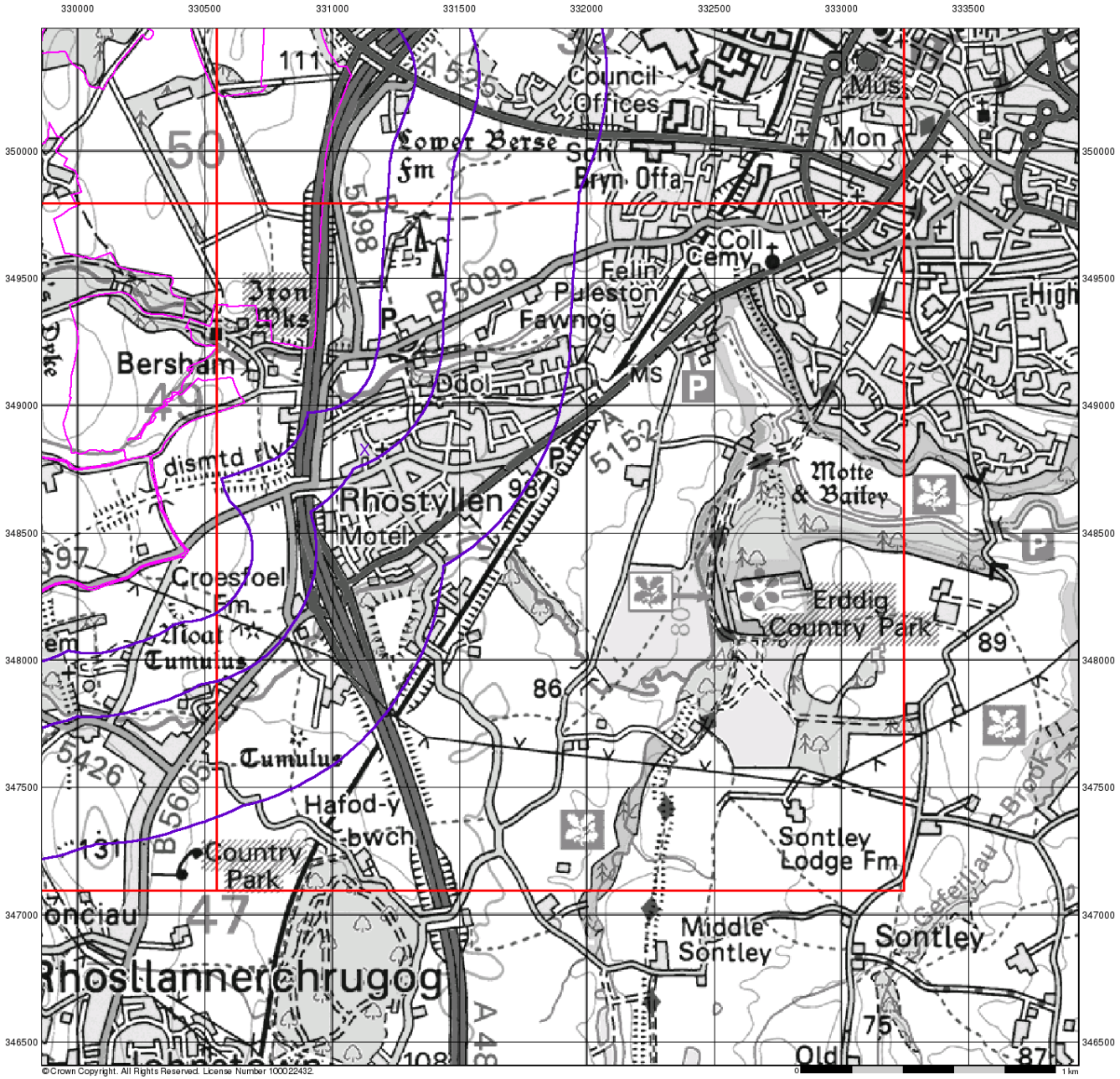

## Order Details

| | |
|---|---|
| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 331130, 348830 |
| Slice: | B |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 1000 |

## Site Details

Site at 330330, 350090

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Web: www.envirocheck.co.uk




# Source Protection Zones

## General

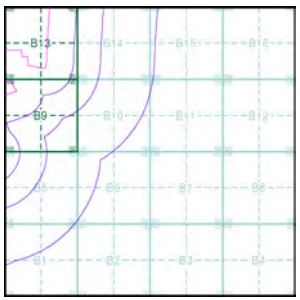
Specified Site | Specified Buffer(s) | Bearing Reference Point

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 B



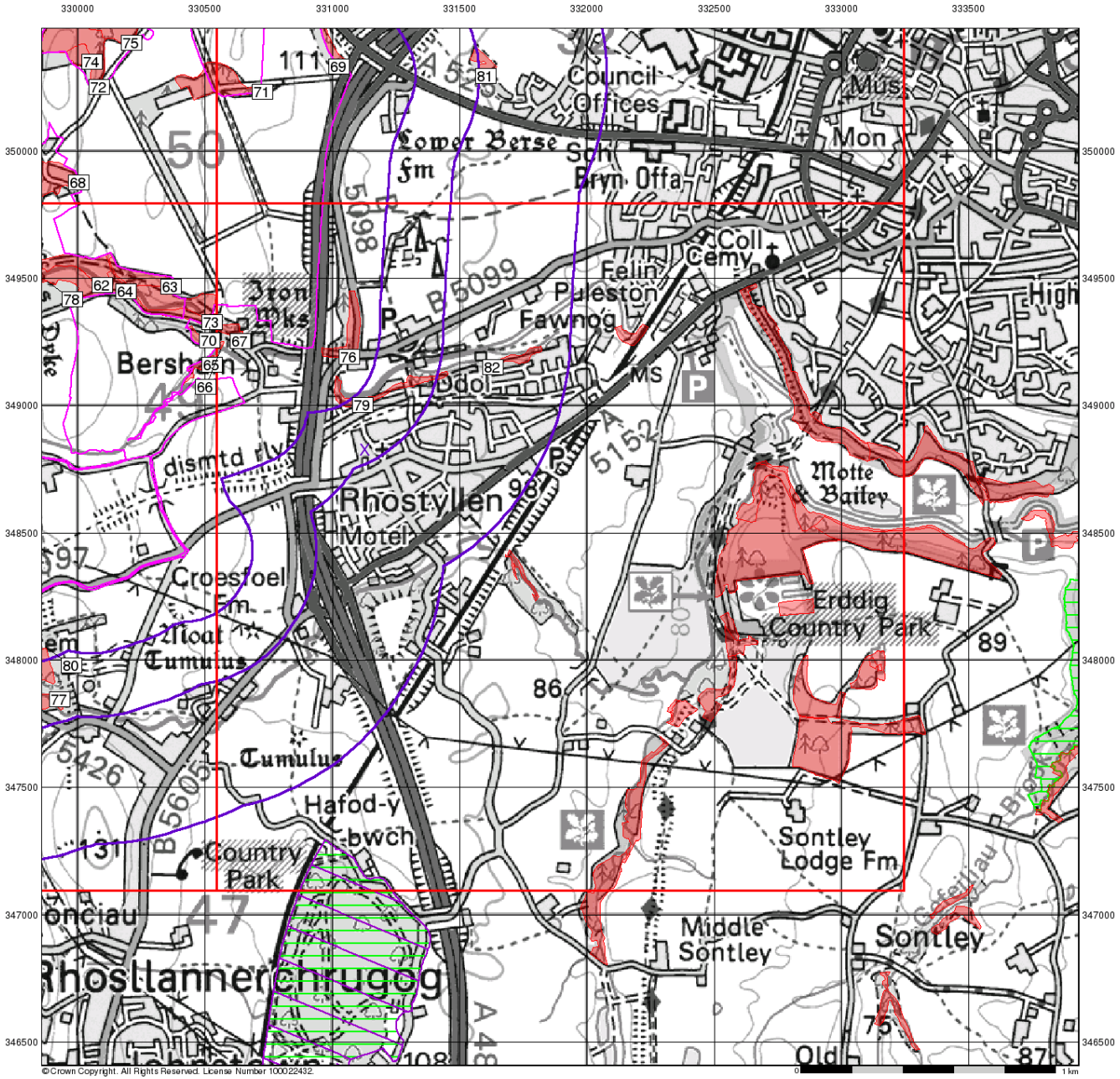

## Order Details

| | |
|---|---|
| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 331130, 348830 |
| Slice: | B |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 1000 |

## Site Details

Site at 330330, 350090

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




# Sensitive Land Uses

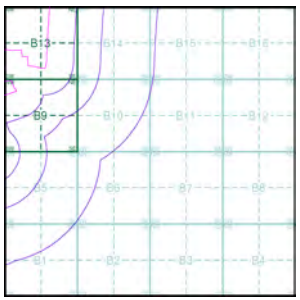
## General

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 B

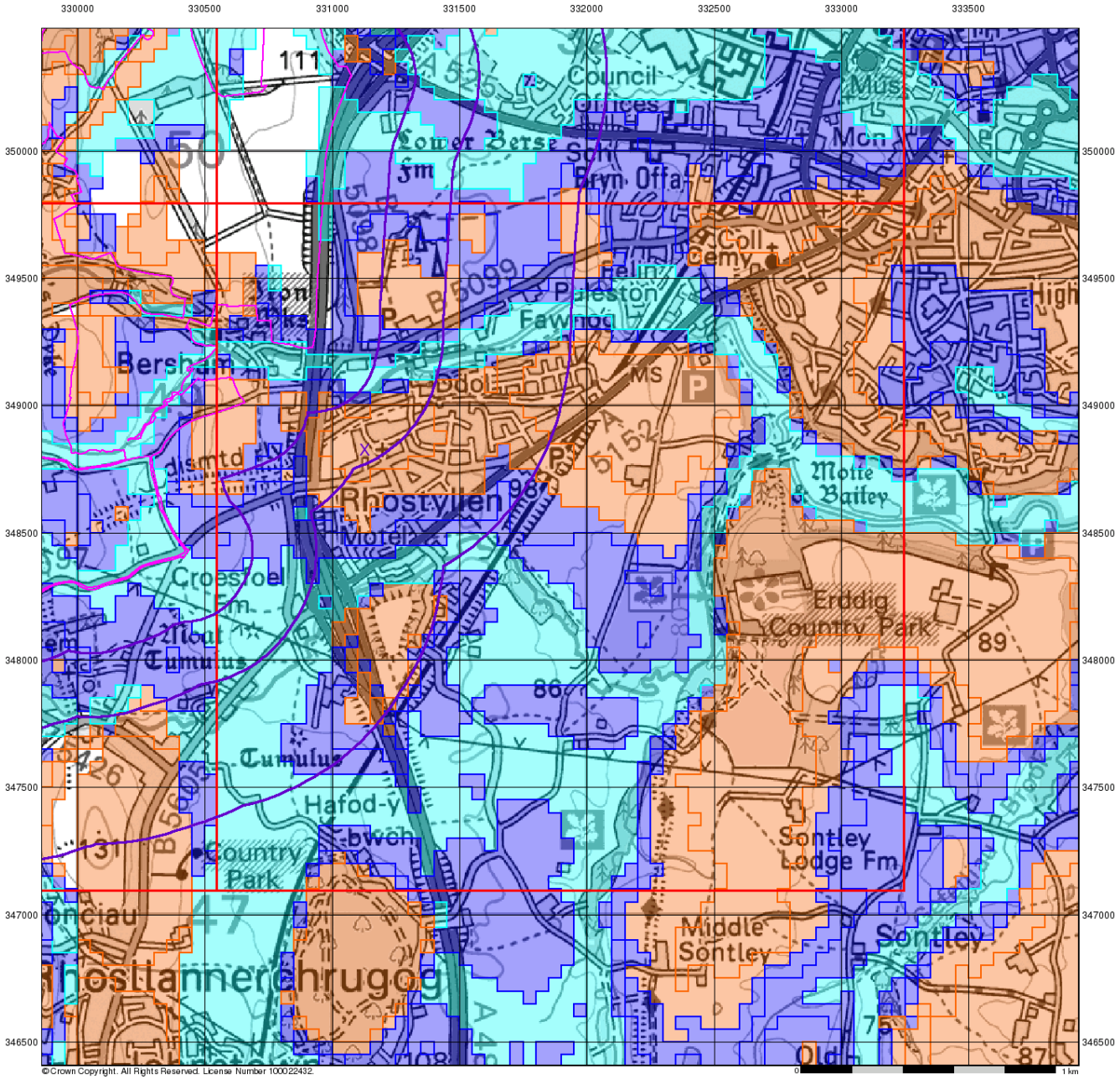



## Order Details

| | |
|---|---|
| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 331130, 348830 |
| Slice: | B |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 1000 |

## Site Details

Site at 330330, 350090




## BGS Flood GFS Data

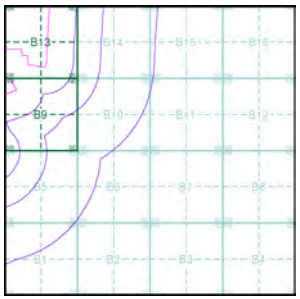
### General

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 B




## Order Details

| | |
|---|---|
| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 331130, 348830 |
| Slice: | B |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 1000 |

## Site Details

Site at 330330, 350090

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Web: www.envirocheck.co.uk

# Envirocheck® Report:

# Datasheet

## Order Details:

**Order Number:**
291151542_1_1

**Customer Reference:**
JER8537

**National Grid Reference:**
331130, 348830

**Slice:**
B

**Site Area (Ha):**
145.64

**Search Buffer (m):**
1000

## Site Details:

Site at 330330, 350090

## Client Details:

Mr G Chapman
RPS Consulting Services Ltd
260 Park Avenue
Aztec West
Almondsbury
Bristol
BS32 4SY

# Contents


| Report Section | Page Number |
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| Summary | - |
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| Hazardous Substances | - |
| Geological | 24 |
| Industrial Land Use | 27 |
| Sensitive Land Use | 30 |
| Data Currency | 32 |
| Data Suppliers | 36 |
| Useful Contacts | 37 |


**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**

# 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 8 | | | 1 | 8 |
| Prosecutions Relating to Controlled Waters | | | n/a | n/a | n/a |
| Enforcement and Prohibition Notices | | | | | |
| Integrated Pollution Controls | | | | | |
| Integrated Pollution Prevention And Control | | | | | |
| Local Authority Integrated Pollution Prevention And Control | | | | | |
| Local Authority Pollution Prevention and Controls | pg 10 | | | | 1 |
| Local Authority Pollution Prevention and Control Enforcements | | | | | |
| Nearest Surface Water Feature | | Yes | | | |
| Pollution Incidents to Controlled Waters | pg 10 | | | | 4 |
| Prosecutions Relating to Authorised Processes | | | | | |
| Registered Radioactive Substances | | | | | |
| River Quality | pg 11 | 1 | | | |
| River Quality Biology Sampling Points | | | | | |
| River Quality Chemistry Sampling Points | | | | | |
| Substantiated Pollution Incident Register | | | | | |
| Water Abstractions | pg 11 | | | | (*1) |
| Water Industry Act Referrals | | | | | |
| Groundwater Vulnerability Map | pg 11 | Yes | n/a | n/a | n/a |
| Bedrock Aquifer Designations | pg 17 | Yes | n/a | n/a | n/a |
| Superficial Aquifer Designations | pg 17 | Yes | n/a | n/a | n/a |
| Source Protection Zones | | | | | |
| Extreme Flooding from Rivers or Sea without Defences | pg 18 | Yes | | n/a | n/a |
| Flooding from Rivers or Sea without Defences | pg 18 | Yes | | n/a | n/a |
| Areas Benefiting from Flood Defences | | | | n/a | n/a |
| Flood Water Storage Areas | | | | n/a | n/a |
| Flood Defences | | | | n/a | n/a |
| OS Water Network Lines | pg 18 | 4 | 9 | 6 | 15 |

# Summary

| Data Type | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|---|---|---|---|---|---|
| **Waste** | | | | | |
| BGS Recorded Landfill Sites | | | | | |
| Historical Landfill Sites | | | | | |
| Integrated Pollution Control Registered Waste Sites | | | | | |
| Licensed Waste Management Facilities (Landfill Boundaries) | | | | | |
| Licensed Waste Management Facilities (Locations) | | | | | |
| Local Authority Landfill Coverage | pg 23 | 1 | n/a | n/a | n/a |
| Local Authority Recorded Landfill Sites | | | | | |
| Registered Landfill Sites | | | | | |
| Registered Waste Transfer Sites | | | | | |
| Registered Waste Treatment or Disposal Sites | | | | | |
| **Hazardous Substances** | | | | | |
| Control of Major Accident Hazards Sites (COMAH) | | | | | |
| Explosive Sites | | | | | |
| Notification of Installations Handling Hazardous Substances (NIHHS) | | | | | |
| Planning Hazardous Substance Consents | | | | | |
| Planning Hazardous Substance Enforcements | | | | | |
| **Geological** | | | | | |
| BGS 1:625,000 Solid Geology | pg 24 | Yes | n/a | n/a | n/a |
| BGS Recorded Mineral Sites | pg 24 | | | | 1 |
| CBSCB Compensation District | | | n/a | n/a | n/a |
| Coal Mining Affected Areas | pg 24 | Yes | n/a | n/a | n/a |
| Mining Instability | pg 24 | Yes | n/a | n/a | n/a |
| Man-Made Mining Cavities | pg 24 | | | | 1 |
| Natural Cavities | | | | | |
| Non Coal Mining Areas of Great Britain | pg 24 | Yes | Yes | n/a | n/a |
| Potential for Collapsible Ground Stability Hazards | pg 24 | Yes | | n/a | n/a |
| Potential for Compressible Ground Stability Hazards | pg 24 | Yes | Yes | n/a | n/a |
| Potential for Ground Dissolution Stability Hazards | | | | n/a | n/a |
| Potential for Landslide Ground Stability Hazards | pg 25 | Yes | Yes | n/a | n/a |
| Potential for Running Sand Ground Stability Hazards | pg 25 | Yes | | n/a | n/a |
| Potential for Shrinking or Swelling Clay Ground Stability Hazards | pg 25 | Yes | Yes | n/a | n/a |
| Radon Potential - Radon Affected Areas | pg 26 | Yes | n/a | n/a | n/a |
| Radon Potential - Radon Protection Measures | pg 26 | Yes | n/a | n/a | n/a |

# Summary

| Data Type | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|---|---|---|---|---|---|
| **Industrial Land Use** | | | | | |
| Contemporary Trade Directory Entries | pg 27 | | | 7 | 20 |
| Fuel Station Entries | pg 29 | | | | 2 |
| Gas Pipelines | | | | | |
| Underground Electrical Cables | | | | | |
| **Sensitive Land Use** | | | | | |
| Ancient Woodland | pg 30 | 13 | 6 | 1 | 1 |
| Areas of Adopted Green Belt | | | | | |
| Areas of Unadopted Green Belt | | | | | |
| Areas of Outstanding Natural Beauty | | | | | |
| Environmentally Sensitive Areas | | | | | |
| Forest Parks | | | | | |
| Local Nature Reserves | | | | | |
| Marine Nature Reserves | | | | | |
| National Nature Reserves | | | | | |
| National Parks | | | | | |
| Nitrate Sensitive Areas | | | | | |
| Nitrate Vulnerable Zones | | | | | |
| Ramsar Sites | | | | | |
| Sites of Special Scientific Interest | | | | | |
| Special Areas of Conservation | | | | | |
| Special Protection Areas | | | | | |
| World Heritage Sites | | | | | |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (NW) | 0 | 1 | 330100 349400 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (NW) | 0 | 1 | 330200 349400 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | (NW) | 0 | 1 | 330250 349400 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (NW) | 0 | 1 | 330500 349450 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | B13SW (NW) | 0 | 1 | 330550 349400 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (NW) | 0 | 1 | 330050 349750 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | (N) | 0 | 1 | 331130 350000 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | B13NE (N) | 0 | 1 | 331000 349650 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (NW) | 0 | 1 | 330150 349550 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (NW) | 0 | 1 | 330300 350350 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (NW) | 0 | 1 | 329950 350400 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | (NW) | 0 | 1 | 330250 350400 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (NW) | 0 | 1 | 329950 350050 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (NW) | 0 | 1 | 330000 350050 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (NW) | 0 | 1 | 330050 350050 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (NW) | 0 | 1 | 330000 350300 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (NW) | 0 | 1 | 330050 350300 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | (NW) | 0 | 1 | 330050 350150 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | (NW) | 0 | 1 | 330100 349900 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (NW) | 0 | 1 | 330000 349600 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (NW) | 0 | 1 | 330100 349600 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (NW) | 0 | 1 | 330150 349600 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (NW) | 0 | 1 | 329950 350000 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (NW) | 0 | 1 | 329950 349950 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (NW) | 0 | 1 | 330300 349950 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (NW) | 0 | 1 | 330000 349700 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (NW) | 0 | 1 | 330050 349650 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (NW) | 0 | 1 | 329900 350100 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (NW) | 0 | 1 | 330000 349550 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (NW) | 0 | 1 | 330250 349700 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (NW) | 0 | 1 | 329950 349900 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | (NW) | 0 | 1 | 330300 350050 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | (NW) | 0 | 1 | 330000 350100 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (NW) | 0 | 1 | 330250 349550 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (NW) | 0 | 1 | 330400 349600 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | B13SW (NW) | 0 | 1 | 330600 349450 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | B13SW (NW) | 0 | 1 | 330800 349450 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (NW) | 0 | 1 | 330000 350000 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (NW) | 0 | 1 | 330500 350050 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (NW) | 0 | 1 | 330400 350000 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | (NW) | 0 | 1 | 330600 350000 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (N) | 0 | 1 | 331450 350000 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | (NW) | 0 | 1 | 330300 350450 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (NW) | 0 | 1 | 330400 350450 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (NW) | 0 | 1 | 329900 350000 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (NW) | 0 | 1 | 330000 349850 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (NW) | 0 | 1 | 330000 349900 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (NW) | 0 | 1 | 330100 349850 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (NW) | 0 | 1 | 330400 349850 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (N) | 0 | 1 | 330950 349800 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (SW) | 0 | 1 | 330000 348250 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (W) | 0 | 1 | 330200 349050 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (NW) | 0 | 1 | 330300 349250 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | B9NE (W) | 0 | 1 | 330900 348800 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (W) | 0 | 1 | 330200 349150 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (W) | 0 | 1 | 330000 349150 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (W) | 0 | 1 | 330150 349050 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (W) | 0 | 1 | 330200 349000 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (W) | 0 | 1 | 330500 349000 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | B9NE (N) | 0 | 1 | 331130 349050 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (W) | 0 | 1 | 330450 348950 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | B9NW (NW) | 0 | 1 | 330750 349000 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | B13SE (N) | 0 | 1 | 331150 349150 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (W) | 0 | 1 | 330000 348900 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (W) | 0 | 1 | 330000 348950 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (W) | 0 | 1 | 330150 348950 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (W) | 0 | 1 | 330100 348900 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (W) | 0 | 1 | 330500 348750 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (NW) | 0 | 1 | 330050 349350 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (NW) | 0 | 1 | 330250 349350 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | (NW) | 0 | 1 | 330450 349350 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | B13SW (NW) | 0 | 1 | 330550 349350 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | B13SW (NW) | 0 | 1 | 330700 349350 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | B13SW (NW) | 0 | 1 | 330800 349350 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (W) | 0 | 1 | 330250 348650 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (NW) | 0 | 1 | 330500 349100 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | B9NW (NW) | 0 | 1 | 330550 349100 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | B9NW (NW) | 0 | 1 | 330750 349100 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | (W) | 0 | 1 | 330000 348827 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (W) | 0 | 1 | 330000 348850 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (NW) | 0 | 1 | 330500 349200 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (W) | 0 | 1 | 330150 349150 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | B13SW (NW) | 0 | 1 | 330800 349250 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (NW) | 0 | 1 | 330000 349300 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (NW) | 0 | 1 | 330100 349450 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (NW) | 0 | 1 | 330500 349300 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | B13SW (NW) | 0 | 1 | 330650 349350 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (W) | 0 | 1 | 330000 348750 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (NW) | 1 | 1 | 330250 350450 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (W) | 2 | 1 | 329950 348950 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (NW) | 4 | 1 | 330200 349450 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (NW) | 7 | 1 | 330200 350400 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (NW) | 13 | 1 | 330300 349400 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (W) | 13 | 1 | 330300 348650 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (N) | 19 | 1 | 331100 350350 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | B13SW (NW) | 19 | 1 | 330600 349150 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | B13SW (NW) | 19 | 1 | 330650 349250 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (SW) | 21 | 1 | 330450 348150 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (W) | 23 | 1 | 330000 348700 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (W) | 27 | 1 | 330400 348700 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (W) | 34 | 1 | 329950 349150 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (NW) | 37 | 1 | 330000 349500 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (NW) | 39 | 1 | 330100 350350 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | B9NE (NW) | 46 | 1 | 330950 348950 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (N) | 47 | 1 | 331130 350350 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (W) | 47 | 1 | 329950 349250 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (NW) | 49 | 1 | 329900 349900 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (NW) | 65 | 1 | 329900 349800 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (N) | 74 | 1 | 331150 350300 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | B9NE (NW) | 74 | 1 | 331000 349100 |

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|---|---|---|---|---|---|
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (W) | 75 | 1 | 330450 348700 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (N) | 76 | 1 | 330650 350300 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (N) | 82 | 1 | 331150 350350 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (N) | 82 | 1 | 331100 350450 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (W) | 92 | 1 | 330000 348450 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | B13SE (N) | 96 | 1 | 331100 349350 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (W) | 97 | 1 | 330050 348650 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (SW) | 100 | 1 | 329950 348150 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | B9SW (W) | 107 | 1 | 330650 348650 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | B9SW (SW) | 115 | 1 | 330600 348500 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (W) | 122 | 1 | 330200 348600 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (W) | 123 | 1 | 330500 348700 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (N) | 124 | 1 | 331200 350300 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (N) | 127 | 1 | 331130 350450 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (W) | 142 | 1 | 330000 348500 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | B9SE (S) | 144 | 1 | 331150 348750 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (W) | 144 | 1 | 329950 348550 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | B9NE (N) | 148 | 1 | 331050 349050 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | B13SE (N) | 150 | 1 | 331200 349300 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | (N) | 151 | 1 | 331150 350450 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | B13SE (N) | 164 | 1 | 331130 349250 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (N) | 174 | 1 | 331250 350250 |

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|---|---|---|---|---|---|
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (N) | 174 | 1 | 331250 350300 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | (N) | 182 | 1 | 331600 350000 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | B9NW (W) | 187 | 1 | 330800 348827 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | B9NE (NW) | 192 | 1 | 331050 349000 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (W) | 195 | 1 | 330100 348550 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (N) | 203 | 1 | 331250 350400 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | B9NE (N) | 217 | 1 | 331130 349000 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (N) | 227 | 1 | 331400 350400 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (SW) | 227 | 1 | 330050 348050 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | B9NE (S) | 239 | 1 | 331130 348827 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (SW) | 258 | 1 | 329950 348000 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | B9NE (N) | 259 | 1 | 331130 348950 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | (N) | 267 | 1 | 331400 349850 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | B9SW (W) | 298 | 1 | 330850 348750 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | B9NE (N) | 304 | 1 | 331200 349050 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | (SW) | 310 | 1 | 330400 348050 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | B9SW (SW) | 343 | 1 | 330850 348700 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | (SW) | 387 | 1 | 330250 347900 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (SW) | 417 | 1 | 330300 347900 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface | B9SE (SW) | 430 | 1 | 330900 348600 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | B9SE (S) | 436 | 1 | 331200 348650 |
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Limited Potential for Groundwater Flooding to Occur | (SW) | 448 | 1 | 330350 347800 |

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|---|---|---|---|---|---|
| | **BGS Groundwater Flooding Susceptibility**<br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | B10NW (NE) | 482 | 1 | 331400 349100 |
| 1 | **Discharge Consents**<br>Operator: The Occupier<br>Property Type: Domestic Property (Single)<br>Location: 14 Ddol Bersham Wrexham<br>Authority: Natural Resources Wales<br>Catchment Area: River Dee<br>Reference: Cm0053101<br>Permit Version: 1<br>Effective Date: 31st October 1968<br>Issued Date: 31st October 1968<br>Revocation Date: 31st October 1996<br>Discharge Type: Unspecified<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: Clywedog<br>**Status: Lapsed (under Environment Act 1995, Schedule 23)**<br>Positional Accuracy: Located by supplier to within 100m | B14SW (NE) | 456 | 2 | 331380 349180 |
| 2 | **Discharge Consents**<br>Operator: Wrexham Maelor Borough Council<br>Property Type: Undefined Or Other<br>Location: Rhostyllen Groesfoel Ind Park<br>Authority: Natural Resources Wales<br>Catchment Area: River Dee<br>Reference: Cm0151301<br>Permit Version: 1<br>Effective Date: 6th April 1987<br>Issued Date: 6th April 1987<br>Revocation Date: 18th March 1993<br>Discharge Type: Unspecified<br>Discharge Environment: Not Supplied<br>Receiving Water: Glan-Yr-Afon,Brook<br>**Status: Consent expired**<br>Positional Accuracy: Located by supplier to within 10m | B5NE (S) | 662 | 2 | 331070 348240 |
| 3 | **Discharge Consents**<br>Operator: Dwr Cymru Cyfyngedig<br>Property Type: Sewerage Network - Sewers - Water Company<br>Location: Cso At Colliery Road Rhostyllen, Nr 172 Wrexham Rd, Wrexham, Ll14 4fg<br>Authority: Natural Resources Wales<br>Catchment Area: BLACK BROOK (CLYWEDOG)<br>Reference: Cg0356101<br>Permit Version: 5<br>Effective Date: 21st October 2019<br>Issued Date: 21st October 2019<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: Glanyrafon Brook<br>**Status: Effective**<br>Positional Accuracy: Located by supplier to within 10m | B6NW (SE) | 975 | 2 | 331419 348387 |
| 3 | **Discharge Consents**<br>Operator: Dwr Cymru Cyfyngedig<br>Property Type: Sewerage Network - Sewers - Water Company<br>Location: Colliery Road Rhostyllen, Ll14 4fg<br>Authority: Natural Resources Wales<br>Catchment Area: BLACK BROOK (CLYWEDOG)<br>Reference: Cg0356101<br>Permit Version: 4<br>Effective Date: 31st March 2009<br>Issued Date: 19th March 2009<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: Glanyrafon Brook<br>**Status: Effective**<br>Positional Accuracy: Located by supplier to within 10m | B6NW (SE) | 975 | 2 | 331419 348387 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 3 | **Discharge Consents**<br>Operator: Dwr Cymru Cyfyngedig<br>Property Type: Sewerage Network - Sewers - Water Company<br>Location: Colliery Road Rhostyllen, Ll14 4fg<br>Authority: Natural Resources Wales<br>Catchment Area: BLACK BROOK (CLYWEDOG)<br>Reference: Cg0356101<br>Permit Version: 4<br>Effective Date: 31st March 2009<br>Issued Date: 19th March 2009<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: Glanyrafon Brook<br>**Status: Effective**<br>Positional Accuracy: Located by supplier to within 10m | B6NW (SE) | 975 | 2 | 331419 348387 |
| 3 | **Discharge Consents**<br>Operator: Arlington Wrexham<br>Property Type: Undefined Or Other<br>Location: Wrexham Rhostyllen Car Sales Depot<br>Authority: Natural Resources Wales<br>Catchment Area: River Dee<br>Reference: Cm0042401<br>Permit Version: 1<br>Effective Date: 19th June 1967<br>Issued Date: 19th June 1967<br>Revocation Date: 22nd December 1992<br>Discharge Type: Unspecified<br>Discharge Environment: Not Supplied<br>Receiving Water: Glan-Yr-Afon Brook<br>**Status: Consent expired**<br>Positional Accuracy: Located by supplier to within 10m | B6NW (SE) | 987 | 2 | 331420 348350 |
| 3 | **Discharge Consents**<br>Operator: Dwr Cymru Cyfyngedig<br>Property Type: Sewerage Network - Sewers - Water Company<br>Location: Colliery Road Rhostyllen, Ll14 4fg<br>Authority: Natural Resources Wales<br>Catchment Area: Not Supplied<br>Reference: Cg0356101<br>Permit Version: 3<br>Effective Date: 14th September 2006<br>Issued Date: 14th September 2006<br>Revocation Date: 16th April 2009<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: Glanyrafon Brook<br>**Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)**<br>Positional Accuracy: Located by supplier to within 10m | B6NW (SE) | 995 | 2 | 331430 348370 |
| 3 | **Discharge Consents**<br>Operator: Dwr Cymru Cyfyngedig<br>Property Type: Sewerage Network - Sewers - Water Company<br>Location: Colliery Road Rhostyllen, Ll14 4fg<br>Authority: Natural Resources Wales<br>Catchment Area: Not Supplied<br>Reference: Cg0356101<br>Permit Version: 2<br>Effective Date: 31st March 2008<br>Issued Date: 21st January 2005<br>Revocation Date: 13th September 2006<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: Glanyrafon Brook<br>**Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)**<br>Positional Accuracy: Located by supplier to within 10m | B6NW (SE) | 995 | 2 | 331430 348370 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 3 | **Discharge Consents**<br>Operator: Dwr Cymru Cyfyngedig<br>Property Type: Sewerage Network - Sewers - Water Company<br>Location: Colliery Road Rhostyllen, Ll14 4fg<br>Authority: Natural Resources Wales<br>Catchment Area: Not Given<br>Reference: CG0356101<br>Permit Version: 1<br>Effective Date: 21st July 1994<br>Issued Date: 21st July 1994<br>Revocation Date: 30th March 2008<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: Glanyrafon Brook<br>**Status: New Consent, by Application (Water Resources Act 1991, Section 88)**<br>Positional Accuracy: Located by supplier to within 100m | B6NW (SE) | 995 | 2 | 331430 348370 |
| 4 | **Local Authority Pollution Prevention and Controls**<br>Name: Rhostyllen Service Station<br>Location: Wrexham Road, Rhostyllen, WREXHAM, Clwyd, LL14 4EJ<br>Authority: Wrexham County Borough Council, Environmental Health Department<br>Permit Reference: WCBC/PG1/14(16)V3<br>Dated: 23rd December 1998<br>Process Type: Local Authority Air Pollution Control<br>Description: PG1/14 Petrol filling station<br>**Status: Authorised**<br>Positional Accuracy: Automatically positioned to the address | B5NE (S) | 634 | 3 | 331062 348329 |
| | **Nearest Surface Water Feature** | B13NW (NW) | 0 | - | 330740 349741 |
| 5 | **Pollution Incidents to Controlled Waters**<br>Property Type: Road (Lost Load)<br>Location: Esso Garage In, Plau Tree, QUEENSFERRY<br>Authority: Environment Agency, Welsh Region<br>Pollutant: Mud/Clay/Soil<br>Note: Mechanical Failure<br>Incident Date: 14th October 1995<br>Incident Reference: 26238<br>Catchment Area: Not Given<br>Receiving Water: Not Given<br>Cause of Incident: Leakage<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m | B10NW (E) | 640 | 4 | 331400 348800 |
| 6 | **Pollution Incidents to Controlled Waters**<br>Property Type: Land<br>Location: RHOSTYLLEN<br>Authority: Environment Agency, Welsh Region<br>Pollutant: Chlorinated Water<br>Note: Poor Operational Practise<br>Incident Date: 24th August 1991<br>Incident Reference: 3201<br>Catchment Area: Not Given<br>Receiving Water: Not Given<br>Cause of Incident: Overflow<br>Incident Severity: Category 2 - Significant Incident<br>Positional Accuracy: Located by supplier to within 100m | B5NE (S) | 657 | 4 | 331070 348260 |
| 6 | **Pollution Incidents to Controlled Waters**<br>Property Type: Warehouses<br>Location: Rhostyllen Roundabout<br>Authority: Environment Agency, Welsh Region<br>Pollutant: Crude Sewage<br>Note: Vandalism<br>Incident Date: 3rd January 1995<br>Incident Reference: 22217<br>Catchment Area: Not Given<br>Receiving Water: Not Given<br>Cause of Incident: Leakage<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m | B5NE (S) | 677 | 4 | 331100 348300 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 7 | **Pollution Incidents to Controlled Waters**<br>Property Type: Not Given<br>Location: Rhos Fawr Cottage, Llen<br>Authority: Environment Agency, Welsh Region<br>Pollutant: Algae<br>Note: Blocked Sewer<br>Incident Date: 25th July 1996<br>Incident Reference: 29260<br>Catchment Area: Not Given<br>Receiving Water: Not Given<br>Cause of Incident: Overflow<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m | B6NW (SE) | 954 | 4 | 331400 348400 |
| | **River Quality**<br>Name: Clywedog<br>GQA Grade: River Quality A<br>Reach: Conf.Black Bk.Erddig Pk-Conf.Trib.<br>Estimated Distance (km): 5.3<br>Flow Rate: Flow less than 0.31 cumecs<br>Flow Type: River<br>Year: 2000 | B9NE (NW) | 0 | 4 | 331027 349012 |
| | **Water Abstractions**<br>Operator: The National Trust<br>Licence Number: 24/67/7/0169<br>Permit Version: 100<br>Location: Spring<br>Authority: Environment Agency, Welsh Region<br>Abstraction: Household Water Supply: Drinking; Cooking; Sanitary; Washing; (Small Garden)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 6th May 1977<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | B7NE (SE) | 1843 | 4 | 332440 348180 |
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Superficial Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: <90%<br>Superficial Thickness: 3-10m<br>Superficial Recharge: Low | (NW) | 0 | 2 | 330000 350000 |
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Superficial Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: >90%<br>Superficial Thickness: 3-10m<br>Superficial Recharge: High | (NW) | 0 | 2 | 330552 350003 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Superficial Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: >90%<br>Superficial Thickness: 3-10m<br>Superficial Recharge: High | (NW) | 0 | 2 | 330340<br>350348 |
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Superficial Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: <90%<br>Superficial Thickness: >10m<br>Superficial Recharge: Low | B9NE (NW) | 0 | 2 | 331000<br>349083 |
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Superficial Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: <90%<br>Superficial Thickness: >10m<br>Superficial Recharge: Low | B13NE (N) | 0 | 2 | 331000<br>349528 |
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Superficial Aquifer - High Vulnerability<br>Combined Vulnerability: High<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: High<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: >70%<br>Superficial Patchiness: >90%<br>Superficial Thickness: >10m<br>Superficial Recharge: High | B5NE (S) | 0 | 2 | 331000<br>348390 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability<br>Combined Vulnerability: Medium<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: Intermediate<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: >90%<br>Superficial Thickness: >10m<br>Superficial Recharge: Low | (W) | 0 | 2 | 330000<br>348827 |
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability<br>Combined Vulnerability: Medium<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: Intermediate<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: >90%<br>Superficial Thickness: >10m<br>Superficial Recharge: Low | (W) | 0 | 2 | 329940<br>348809 |
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Superficial Aquifer - High Vulnerability<br>Combined Vulnerability: High<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: High<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: >70%<br>Superficial Patchiness: >90%<br>Superficial Thickness: >10m<br>Superficial Recharge: High | B9NE<br>(W) | 0 | 2 | 331000<br>348827 |
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Superficial Aquifer - High Vulnerability<br>Combined Vulnerability: High<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: High<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: >70%<br>Superficial Patchiness: >90%<br>Superficial Thickness: >10m<br>Superficial Recharge: High | (SW) | 0 | 2 | 330435<br>348272 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Superficial Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: <90%<br>Superficial Thickness: 3-10m<br>Superficial Recharge: Low | (W) | 0 | 2 | 330000<br>349000 |
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Superficial Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: <90%<br>Superficial Thickness: 3-10m<br>Superficial Recharge: Low | (NW) | 0 | 2 | 330000<br>349539 |
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Superficial Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: <90%<br>Superficial Thickness: >10m<br>Superficial Recharge: Low | B9NE (NW) | 0 | 2 | 331000<br>349033 |
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Superficial Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: <90%<br>Superficial Thickness: >10m<br>Superficial Recharge: Low | (W) | 0 | 2 | 330189<br>349000 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Superficial Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: <90%<br>Superficial Thickness: >10m<br>Superficial Recharge: Low | B13SW (NW) | 0 | 2 | 330692 349370 |
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Superficial Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: <90%<br>Superficial Thickness: >10m<br>Superficial Recharge: Low | (NW) | 0 | 2 | 330145 349570 |
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Superficial Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: >90%<br>Superficial Thickness: 3-10m<br>Superficial Recharge: High | (N) | 0 | 2 | 331000 350000 |
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Superficial Aquifer - High Vulnerability<br>Combined Vulnerability: High<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: High<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: >70%<br>Superficial Patchiness: <90%<br>Superficial Thickness: >10m<br>Superficial Recharge: High | (N) | 0 | 2 | 331026 350000 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Bedrock Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: >90%<br>Superficial Thickness: 3-10m<br>Superficial Recharge: High | (NW) | 0 | 2 | 330163<br>350000 |
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Bedrock Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: >90%<br>Superficial Thickness: 3-10m<br>Superficial Recharge: High | (NW) | 0 | 2 | 330282<br>350117 |
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Bedrock Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: >90%<br>Superficial Thickness: 3-10m<br>Superficial Recharge: High | (N) | 0 | 2 | 330927<br>350000 |
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Bedrock Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: <90%<br>Superficial Thickness: 3-10m<br>Superficial Recharge: Low | (NW) | 0 | 2 | 330000<br>349381 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Bedrock Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: <90%<br>Superficial Thickness: >10m<br>Superficial Recharge: Low | (NW) | 0 | 2 | 330066 349421 |
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Bedrock Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: <90%<br>Superficial Thickness: >10m<br>Superficial Recharge: Low | (NW) | 0 | 2 | 330219 349704 |
| | **Groundwater Vulnerability Map**<br>Combined Classification: Secondary Bedrock Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: <90%<br>Superficial Thickness: >10m<br>Superficial Recharge: Low | B13SE (N) | 0 | 2 | 330978 349313 |
| | **Bedrock Aquifer Designations**<br>Aquifer Designation: Secondary Aquifer - A | (W) | 0 | 2 | 330000 348827 |
| | **Bedrock Aquifer Designations**<br>Aquifer Designation: Secondary Aquifer - A | (N) | 0 | 2 | 331130 350000 |
| | **Bedrock Aquifer Designations**<br>Aquifer Designation: Secondary Aquifer - A | (NW) | 0 | 2 | 330000 350000 |
| | **Bedrock Aquifer Designations**<br>Aquifer Designation: Secondary Aquifer - A | B9NE (S) | 0 | 2 | 331130 348827 |
| | **Superficial Aquifer Designations**<br>Aquifer Designation: Secondary Aquifer - A | (NW) | 0 | 2 | 330340 350348 |
| | **Superficial Aquifer Designations**<br>Aquifer Designation: Secondary Aquifer - A | (N) | 0 | 2 | 331026 350000 |
| | **Superficial Aquifer Designations**<br>Aquifer Designation: Secondary Aquifer - Undifferentiated | (NW) | 0 | 2 | 330552 350003 |
| | **Superficial Aquifer Designations**<br>Aquifer Designation: Secondary Aquifer - Undifferentiated | B13SW (NW) | 0 | 2 | 330692 349370 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Superficial Aquifer Designations**<br>Aquifer Designation: Secondary Aquifer - Undifferentiated | (SW) | 0 | 2 | 330435<br>348272 |
| | **Superficial Aquifer Designations**<br>Aquifer Designation: Secondary Aquifer - Undifferentiated | (NW) | 0 | 2 | 330000<br>350000 |
| | **Superficial Aquifer Designations**<br>Aquifer Designation: Secondary Aquifer - A | (NW) | 0 | 2 | 330145<br>349570 |
| | **Superficial Aquifer Designations**<br>Aquifer Designation: Secondary Aquifer - A | B9NE<br>(N) | 0 | 2 | 331148<br>349012 |
| | **Superficial Aquifer Designations**<br>Aquifer Designation: Secondary Aquifer - Undifferentiated | B9NE<br>(S) | 0 | 2 | 331130<br>348827 |
| | **Superficial Aquifer Designations**<br>Aquifer Designation: Secondary Aquifer - Undifferentiated | (NW) | 0 | 2 | 330000<br>349539 |
| | **Superficial Aquifer Designations**<br>Aquifer Designation: Secondary Aquifer - Undifferentiated | (W) | 0 | 2 | 330000<br>348827 |
| | **Superficial Aquifer Designations**<br>Aquifer Designation: Secondary Aquifer - A | (W) | 0 | 2 | 329940<br>348809 |
| | **Extreme Flooding from Rivers or Sea without Defences**<br>Type: Extent of Extreme Flooding from Rivers or Sea without Defences<br>Flood Plain Type: Fluvial Models<br>Boundary Accuracy: As Supplied | B9NE<br>(N) | 0 | 2 | 331085<br>349015 |
| | **Flooding from Rivers or Sea without Defences**<br>Type: Extent of Flooding from Rivers or Sea without Defences<br>Flood Plain Type: Fluvial Models<br>Boundary Accuracy: As Supplied | B9NE<br>(N) | 0 | 2 | 331110<br>349020 |
| | **Flooding from Rivers or Sea without Defences**<br>Type: Extent of Flooding from Rivers or Sea without Defences<br>Flood Plain Type: Fluvial Models<br>Boundary Accuracy: As Supplied | B13SE<br>(N) | 0 | 2 | 331015<br>349150 |
| | **Areas Benefiting from Flood Defences**<br>None | | | | |
| | **Flood Water Storage Areas**<br>None | | | | |
| | **Flood Defences**<br>None | | | | |
| 8 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 9.3<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | B13NW<br>(NW) | 0 | 5 | 330740<br>349741 |
| 9 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 150.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | B13NE<br>(N) | 0 | 5 | 330889<br>349722 |
| 10 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 1051.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | B13SW<br>(NW) | 0 | 5 | 330591<br>349205 |

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|---|---|---|---|---|---|
| 11 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 237.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | B13NW (NW) | 0 | 5 | 330731 349740 |
| 12 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 81.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 2 | B13SW (NW) | 5 | 5 | 330607 349298 |
| 13 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 76.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Afon Clywedog<br>Catchment Name: Dee<br>Primacy: 1 | B13SW (NW) | 6 | 5 | 330591 349205 |
| 14 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 97.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 2 | B13SW (NW) | 9 | 5 | 330603 349287 |
| 15 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 734.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Afon Clywedog<br>Catchment Name: Dee<br>Primacy: 1 | B9NE (N) | 38 | 5 | 331110 349033 |
| 16 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 121.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 2 | B13SW (NW) | 44 | 5 | 330746 349209 |
| 17 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 176.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Afon Clywedog<br>Catchment Name: Dee<br>Primacy: 1 | B13SW (NW) | 47 | 5 | 330746 349209 |
| 18 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 5.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 2 | B13SW (NW) | 84 | 5 | 330606 349293 |
| 19 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 47.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 2 | B13SW (NW) | 84 | 5 | 330644 349271 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 20 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 335.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | (SW) | 217 | 5 | 330505<br>348134 |
| 21 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 2.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Afon Clywedog<br>Catchment Name: Dee<br>Primacy: 1 | B14SW (NE) | 369 | 5 | 331282<br>349137 |
| 22 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 6.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 2 | B14SW (NE) | 369 | 5 | 331287<br>349134 |
| 23 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 673.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Afon Clywedog<br>Catchment Name: Dee<br>Primacy: 1 | B14SW (NE) | 369 | 5 | 331282<br>349139 |
| 24 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 709.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 2 | B10NW (NE) | 375 | 5 | 331308<br>349119 |
| 25 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 62.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | B14SW (NE) | 459 | 5 | 331391<br>349229 |
| 26 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 104.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | B5SW (SW) | 496 | 5 | 330694<br>347990 |
| 27 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 31.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Glanyrafon Brook<br>Catchment Name: Dee<br>Primacy: 1 | B5NE (S) | 585 | 5 | 330947<br>348138 |
| 28 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 123.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Glanyrafon Brook<br>Catchment Name: Dee<br>Primacy: 1 | B5NE (S) | 589 | 5 | 331041<br>348219 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 29 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 43.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | B14SW (NE) | 592 | 5 | 331529 349283 |
| 30 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 269.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Glanyrafon Brook<br>Catchment Name: Dee<br>Primacy: 1 | B5SE (S) | 594 | 5 | 330926 348060 |
| 31 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 40.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | B5SW (SW) | 596 | 5 | 330718 347883 |
| 32 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 17.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Glanyrafon Brook<br>Catchment Name: Dee<br>Primacy: 2 | B5NE (S) | 600 | 5 | 330944 348114 |
| 33 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 15.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Glanyrafon Brook<br>Catchment Name: Dee<br>Primacy: 1 | B5NE (S) | 600 | 5 | 330944 348114 |
| 34 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 55.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Glanyrafon Brook<br>Catchment Name: Dee<br>Primacy: 1 | B5SW (S) | 600 | 5 | 330762 347910 |
| 35 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 9.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Glanyrafon Brook<br>Catchment Name: Dee<br>Primacy: 1 | B5SE (S) | 610 | 5 | 330949 348101 |
| 36 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 41.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Glanyrafon Brook<br>Catchment Name: Dee<br>Primacy: 1 | B5SE (S) | 612 | 5 | 330951 348092 |
| 37 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 59.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Glanyrafon Brook<br>Catchment Name: Dee<br>Primacy: 2 | B5SE (S) | 613 | 5 | 330951 348092 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
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| 38 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 279.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Glanyrafon Brook<br>Catchment Name: Dee<br>Primacy: 1 | B5SW (S) | 618 | 5 | 330745 347863 |
| 39 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 834.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Glanyrafon Brook<br>Catchment Name: Dee<br>Primacy: 1 | B6NW (SE) | 641 | 5 | 331475 348441 |
| 40 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 24.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Dee<br>Primacy: 1 | B14SE (NE) | 940 | 5 | 331890 349351 |
| 41 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 129.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Afon Clywedog<br>Catchment Name: Dee<br>Primacy: 1 | B14SE (NE) | 954 | 5 | 331891 349349 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
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| | **Local Authority Landfill Coverage**<br>Name: Wrexham County Borough Council<br>- Has supplied landfill data | | 0 | 6 | 331130<br>348827 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **BGS 1:625,000 Solid Geology**<br>Description: Pennine Middle Coal Measures Formation And South Wales Middle Coal Measures Formation (Undifferentiated) | B9NE (NW) | 0 | 1 | 331004 348953 |
| | **BGS 1:625,000 Solid Geology**<br>Description: Warwickshire Group | B9NE (S) | 0 | 1 | 331130 348827 |
| 42 | **BGS Recorded Mineral Sites**<br>Site Name: Bersham Spoil Tip<br>Location: Bersham, Wrexham, Denbighshire<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 35869<br>Type: Tip<br>**Status: Ceased**<br>Operator: Bersham (Glenside) Ltd.<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: Pennine Lower Coal Measures Formation And Pennine Middle Coal Measures Formation (Undifferentiated)<br>Commodity: Colliery Spoil<br>Positional Accuracy: Located by supplier to within 10m | B6NW (S) | 864 | 1 | 331255 348155 |
| | **Coal Mining Affected Areas**<br>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. | B9NE (S) | 0 | 7 | 331130 348827 |
| | **Mining Instability**<br>Mining Evidence: Inconclusive Coal Mining<br>Source: Ove Arup & Partners<br>Boundary Quality: As Supplied | B9NE (S) | 0 | - | 331130 348827 |
| | **Man-Made Mining Cavities**<br>Easting: 331400<br>Northing: 348200<br>Distance: 991<br>Quadrant Reference: B6<br>Quadrant Reference: NW<br>Bearing Ref: SE<br>Cavity Type: Unknown<br>Commodity: Unknown<br>Solid Geology Detail: No Details<br>Superficial Geology Detail: No Details | B6NW (SE) | 991 | 8 | 331400 348200 |
| | **Non Coal Mining Areas of Great Britain**<br>Risk: Highly Unlikely<br>Source: British Geological Survey, National Geoscience Information Service | B9NE (NW) | 0 | 1 | 331013 348910 |
| | **Non Coal Mining Areas of Great Britain**<br>Risk: Rare<br>Source: British Geological Survey, National Geoscience Information Service | B9NE (S) | 0 | 1 | 331130 348827 |
| | **Non Coal Mining Areas of Great Britain**<br>Risk: Highly Unlikely<br>Source: British Geological Survey, National Geoscience Information Service | B10NW (NE) | 196 | 1 | 331458 349018 |
| | **Potential for Collapsible Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | B9NE (N) | 0 | 1 | 331118 349015 |
| | **Potential for Collapsible Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | B9NE (S) | 0 | 1 | 331130 348827 |
| | **Potential for Compressible Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | B9SW (W) | 0 | 1 | 330849 348735 |
| | **Potential for Compressible Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | B9NE (S) | 0 | 1 | 331130 348827 |
| | **Potential for Compressible Ground Stability Hazards**<br>Hazard Potential: Moderate<br>Source: British Geological Survey, National Geoscience Information Service | B9NE (N) | 0 | 1 | 331118 349015 |
| | **Potential for Compressible Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | B13SE (N) | 195 | 1 | 331154 349138 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
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| | **Potential for Ground Dissolution Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | B9NE (S) | 0 | 1 | 331130 348827 |
| | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | B9NE (S) | 0 | 1 | 331130 348827 |
| | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service | B13SW (NW) | 11 | 1 | 330813 349222 |
| | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service | B9NE (NW) | 11 | 1 | 330889 349076 |
| | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service | B13SE (NW) | 22 | 1 | 330955 349142 |
| | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service | B13SE (N) | 60 | 1 | 331054 349151 |
| | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service | B9NE (N) | 153 | 1 | 331118 348972 |
| | **Potential for Running Sand Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | B13SE (N) | 0 | 1 | 330978 349313 |
| | **Potential for Running Sand Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | B13SE (N) | 0 | 1 | 331154 349138 |
| | **Potential for Running Sand Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | B9NE (S) | 0 | 1 | 331130 348827 |
| | **Potential for Running Sand Ground Stability Hazards**<br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service | B9NE (N) | 0 | 1 | 331118 349015 |
| | **Potential for Shrinking or Swelling Clay Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | B9NE (S) | 0 | 1 | 331130 348827 |
| | **Potential for Shrinking or Swelling Clay Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | B5NE (S) | 0 | 1 | 331134 348410 |
| | **Potential for Shrinking or Swelling Clay Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | B13SE (N) | 0 | 1 | 331000 349187 |
| | **Potential for Shrinking or Swelling Clay Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | B13SE (N) | 15 | 1 | 331086 349243 |
| | **Potential for Shrinking or Swelling Clay Ground Stability Hazards**<br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service | B13NE (N) | 42 | 1 | 331012 349649 |
| | **Potential for Shrinking or Swelling Clay Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | B9NE (NW) | 46 | 1 | 331020 348986 |
| | **Potential for Shrinking or Swelling Clay Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | B9NE (NW) | 87 | 1 | 331018 349078 |
| | **Potential for Shrinking or Swelling Clay Ground Stability Hazards**<br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service | B9NE (N) | 214 | 1 | 331115 349060 |
| | **Radon Potential - Radon Affected Areas**<br>Affected Area: The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level).<br>Source: British Geological Survey, National Geoscience Information Service | B13SE (N) | 0 | 1 | 330950 349401 |

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| | **Radon Potential - Radon Affected Areas**<br>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).<br>Source: British Geological Survey, National Geoscience Information Service | B13SW (NW) | 0 | 1 | 330650 349426 |
| | **Radon Potential - Radon Affected Areas**<br>Affected Area: The property is in a Higher probability radon area (10 to 30% of homes are estimated to be at or above the Action Level).<br>Source: British Geological Survey, National Geoscience Information Service | B9NE (NW) | 0 | 1 | 331075 348926 |
| | **Radon Potential - Radon Affected Areas**<br>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).<br>Source: British Geological Survey, National Geoscience Information Service | B9NE (NW) | 0 | 1 | 331075 348851 |
| | **Radon Potential - Radon Affected Areas**<br>Affected Area: The property is in an Intermediate probability radon area (5 to 10% of homes are estimated to be at or above the Action Level).<br>Source: British Geological Survey, National Geoscience Information Service | B13NW (NW) | 0 | 1 | 330675 349526 |
| | **Radon Potential - Radon Protection Measures**<br>Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions<br>Source: British Geological Survey, National Geoscience Information Service | B13SE (N) | 0 | 1 | 330950 349401 |
| | **Radon Potential - Radon Protection Measures**<br>Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions<br>Source: British Geological Survey, National Geoscience Information Service | B13SW (NW) | 0 | 1 | 330650 349426 |
| | **Radon Potential - Radon Protection Measures**<br>Protection Measure: Full radon protective measures are necessary in the construction of new dwellings or extensions<br>Source: British Geological Survey, National Geoscience Information Service | B9NE (NW) | 0 | 1 | 331075 348926 |
| | **Radon Potential - Radon Protection Measures**<br>Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions<br>Source: British Geological Survey, National Geoscience Information Service | B9NE (NW) | 0 | 1 | 331075 348851 |
| | **Radon Potential - Radon Protection Measures**<br>Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions<br>Source: British Geological Survey, National Geoscience Information Service | B13NW (NW) | 0 | 1 | 330675 349526 |

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|---|---|---|---|---|---|
| 43 | **Contemporary Trade Directory Entries**<br>Name: The Lining & Coating Company Ltd<br>Location: 3, Highgrove Close, Heritage Gardens, Bersham, Wrexham, LL14 4FB<br>Classification: Coating Specialists<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | B9NE (W) | 353 | - | 330993 348880 |
| 44 | **Contemporary Trade Directory Entries**<br>Name: First Line Maintenance Ltd<br>Location: Bersham Road, Bersham, Wrexham, Clwyd, LL14 4HS<br>Classification: Office Equipment Servicing & Maintenance<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned within the geographical locality | B14SW (NE) | 398 | - | 331334 349297 |
| 45 | **Contemporary Trade Directory Entries**<br>Name: E R Williams<br>Location: Mount Street, Rhostyllen, Wrexham, LL14 4AU<br>Classification: Engine Rebuilding & Reconditioning<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | B10NW (E) | 479 | - | 331249 348875 |
| 45 | **Contemporary Trade Directory Entries**<br>Name: E R Williams<br>Location: Mount Street, Rhostyllen, Wrexham, Clwyd, LL14 4AU<br>Classification: Engine Rebuilding & Reconditioning<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | B10NW (E) | 482 | - | 331256 348878 |
| 45 | **Contemporary Trade Directory Entries**<br>Name: Motor Trade Machine Shop<br>Location: Mount Street, Rhostyllen, WREXHAM, Clwyd, LL14 4AU<br>Classification: Engine Rebuilding & Reconditioning<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | B10NW (E) | 482 | - | 331256 348878 |
| 45 | **Contemporary Trade Directory Entries**<br>Name: Smd Auto Services<br>Location: Mount St, Rhostyllen, Wrexham, Clwyd, LL14 4AU<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the road within the address or location | B10NW (E) | 493 | - | 331256 348862 |
| 46 | **Contemporary Trade Directory Entries**<br>Name: Alkemi Mf Technologies Ltd<br>Location: Hill St, Rhostyllen, Wrexham, Clwyd, LL14 4AT<br>Classification: Metal Finishing Services<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the road within the address or location | B9NE (E) | 500 | - | 331194 348806 |
| 47 | **Contemporary Trade Directory Entries**<br>Name: European Fine Blanking Ltd<br>Location: Croesfoel Industrial Estate, Rhostyllen, Wrexham, Clwyd, LL14 4BJ<br>Classification: Sheet Metal Work<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | B5NE (S) | 546 | - | 330980 348379 |
| 47 | **Contemporary Trade Directory Entries**<br>Name: Huws Gray<br>Location: Wrexham Road, Rhostyllen, Wrexham, LL14 4EJ<br>Classification: Builders' Merchants<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | B5NE (S) | 546 | - | 330981 348386 |
| 48 | **Contemporary Trade Directory Entries**<br>Name: Arthurs Peugeot<br>Location: Croesfoel Industrial Estate, Rhostyllen, Wrexham, Clwyd, LL14 4BJ<br>Classification: Car Dealers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | B9SE (S) | 626 | - | 331060 348491 |
| 49 | **Contemporary Trade Directory Entries**<br>Name: Esso<br>Location: Wrexham Road Rhostyllen, Rhostyllen, Wrexham, Clwyd, LL14 4EJ<br>Classification: Petrol Filling Stations<br>**Status: Active**<br>Positional Accuracy: Manually positioned to the address or location | B5NE (S) | 634 | - | 331062 348330 |
| 49 | **Contemporary Trade Directory Entries**<br>Name: Rhostyllen Service Station<br>Location: Wrexham Road, Rhostyllen, Wrexham, Clwyd, LL14 4EJ<br>Classification: Petrol Filling Stations - 24 Hour<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | B5NE (S) | 634 | - | 331062 348329 |

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| 50 | **Contemporary Trade Directory Entries**<br>Name: Dickens Wrexham<br>Location: Croesfoel Industrial Estate, Rhostyllen, Wrexham, LL14 4BJ<br>Classification: Car Dealers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | B5NE (S) | 650 | - | 331086 348428 |
| 51 | **Contemporary Trade Directory Entries**<br>Name: Evans Halshaw Wrexham<br>Location: Wrexham Road, Rhostyllen, Wrexham, Clwyd, LL14 4EJ<br>Classification: Car Dealers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | B5NE (S) | 737 | - | 331163 348308 |
| 52 | **Contemporary Trade Directory Entries**<br>Name: Pickering & Davies<br>Location: Hafod-y-Bwch Hall, Wrexham Road, Rhostyllen, Wrexham, Clwyd, LL14 4DR<br>Classification: Road Haulage Services<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | B5SE (S) | 801 | - | 331009 347863 |
| 53 | **Contemporary Trade Directory Entries**<br>Name: Mt Electrical & Plumbing Services<br>Location: 5, Westbourne Drive, Rhostyllen, Wrexham, Clwyd, LL14 4BU<br>Classification: Electrical Engineers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | B10NE (E) | 837 | - | 331697 348909 |
| 54 | **Contemporary Trade Directory Entries**<br>Name: Pcp Uk<br>Location: 13, Trevor Avenue, Rhostyllen, Wrexham, Clwyd, LL14 4BT<br>Classification: Air Conditioning & Refrigeration Contractors<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | B10NE (E) | 858 | - | 331691 348844 |
| 55 | **Contemporary Trade Directory Entries**<br>Name: M D Industrial Cleaning Services<br>Location: Adaley, Henry Street, Rhostyllen, Wrexham, LL14 4BY<br>Classification: Commercial Cleaning Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | B10NE (E) | 873 | - | 331749 348944 |
| 56 | **Contemporary Trade Directory Entries**<br>Name: T H Hughes<br>Location: 97, Wrexham Road, Rhostyllen, Wrexham, Clwyd, LL14 4DW<br>Classification: Coal & Smokeless Fuel Merchants & Distributors<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | B10SE (SE) | 884 | - | 331567 348621 |
| 57 | **Contemporary Trade Directory Entries**<br>Name: Motus Commercials<br>Location: Wrexham Road, Rhostyllen, Wrexham, LL14 4DP<br>Classification: Commercial Vehicle Dealers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | B6NW (SE) | 911 | - | 331357 348425 |
| 57 | **Contemporary Trade Directory Entries**<br>Name: Imperial Commercials Ltd<br>Location: Wrexham Road, Rhostyllen, Wrexham, Clwyd, LL14 4DP<br>Classification: Commercial Vehicle Dealers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | B6NW (SE) | 911 | - | 331357 348425 |
| 57 | **Contemporary Trade Directory Entries**<br>Name: T R P Motus Commercials<br>Location: Wrexham Road, Rhostyllen, Wrexham, Clwyd, LL14 4DP<br>Classification: Garage Services<br>**Status: Active**<br>Positional Accuracy: Manually positioned to the address or location | B6NW (SE) | 911 | - | 331357 348425 |
| 57 | **Contemporary Trade Directory Entries**<br>Name: Motor Commericials<br>Location: Wrexham Road, Rhostyllen, Wrexham, Clwyd, LL14 4DP<br>Classification: Car Dealers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | B6NW (SE) | 911 | - | 331357 348425 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 57 | **Contemporary Trade Directory Entries**<br>Name: Randy'S Motor Services<br>Location: 11 Bersham Enterprise Centre,Colliery Rd, Rhostyllen, Wrexham, Clwyd, LL14 4EG<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the road within the address or location | B6NW (SE) | 919 | - | 331391 348435 |
| 58 | **Contemporary Trade Directory Entries**<br>Name: Barie-C-Vaughan & Son Ltd<br>Location: Colliery Garage, Bersham Enterprise Centre, Colliery Road, Rhostyllen, Wrexham, Clwyd, LL14 4EG<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | B6NW (SE) | 925 | - | 331408 348438 |
| 59 | **Contemporary Trade Directory Entries**<br>Name: The Welsh M G Centre<br>Location: Wrexham Road, Rhostyllen, Wrexham, Clwyd, LL14 4DW<br>Classification: Classic Car Specialists<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | B10SE (E) | 947 | - | 331744 348753 |
| 59 | **Contemporary Trade Directory Entries**<br>Name: Malcolm Hughes<br>Location: 53, Wrexham Road, Rhostyllen, Wrexham, Clwyd, LL14 4DW<br>Classification: Car Dealers - Used<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | B10SE (E) | 952 | - | 331757 348767 |
| 60 | **Fuel Station Entries**<br>Name: Rhostyllen Service Station<br>Location: Wrexham Road , Rhostyllen , Wrexham, Wrexham, LL14 4EJ<br>Brand: ESSO<br>Premises Type: Service Area<br>**Status: Open**<br>Positional Accuracy: Manually positioned to the address or location | B5NE (S) | 634 | - | 331062 348330 |
| 61 | **Fuel Station Entries**<br>Name: Welsh Mg Centre<br>Location: Wrexham Road , , Wrexham, Wrexham, LL14 4DW<br>Brand: Unbranded<br>Premises Type: Not Applicable<br>**Status: Obsolete**<br>Positional Accuracy: Manually positioned to the address or location | B10SE (E) | 947 | - | 331744 348753 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 62 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 44697<br>Area(m²): 18598.4<br>Type: Plantation on Ancient Woodland | (NW) | 0 | 2 | 330126<br>349472 |
| 63 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 28401<br>Area(m²): 11927.41<br>Type: Ancient and Semi-Natural Woodland | (NW) | 0 | 2 | 330367<br>349466 |
| 64 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 28402<br>Area(m²): 25384.63<br>Type: Ancient and Semi-Natural Woodland | (NW) | 0 | 2 | 330190<br>349447 |
| 65 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 31892<br>Area(m²): 3689.65<br>Type: Ancient and Semi-Natural Woodland | (NW) | 0 | 2 | 330529<br>349159 |
| 66 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 31893<br>Area(m²): 3423.04<br>Type: Ancient and Semi-Natural Woodland | B13SW<br>(NW) | 0 | 2 | 330562<br>349221 |
| 67 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 31894<br>Area(m²): 5298.12<br>Type: Ancient and Semi-Natural Woodland | B13SW<br>(NW) | 0 | 2 | 330639<br>349252 |
| 68 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 31895<br>Area(m²): 32563.69<br>Type: Ancient and Semi-Natural Woodland | (NW) | 0 | 2 | 330003<br>349875 |
| 69 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 36800<br>Area(m²): 6187.18<br>Type: Restored Ancient Woodland Site | (N) | 0 | 2 | 331026<br>350330 |
| 70 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 36795<br>Area(m²): 10124.28<br>Type: Restored Ancient Woodland Site | (NW) | 0 | 2 | 330519<br>349309 |
| 71 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 47040<br>Area(m²): 25982.54<br>Type: Plantation on Ancient Woodland | (N) | 0 | 2 | 330724<br>350231 |
| 72 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 47041<br>Area(m²): 30794.46<br>Type: Plantation on Ancient Woodland | (NW) | 0 | 2 | 330084<br>350249 |
| 73 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 29691<br>Area(m²): 23810.49<br>Type: Restored Ancient Woodland Site | (NW) | 0 | 2 | 330527<br>349325 |
| 74 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 36799<br>Area(m²): 5763.65<br>Type: Restored Ancient Woodland Site | (NW) | 0 | 2 | 330057<br>350348 |
| 75 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 36799<br>Area(m²): 16577.14<br>Type: Restored Ancient Woodland Site | (NW) | 14 | 2 | 330210<br>350423 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 76 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 37165<br>Area(m²): 14030.91<br>Type: Restored Ancient Woodland Site | B13SE (N) | 35 | 2 | 331065 349191 |
| 77 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 31884<br>Area(m²): 18996.87<br>Type: Ancient and Semi-Natural Woodland | (SW) | 102 | 2 | 329930 347847 |
| 78 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 44697<br>Area(m²): 2253.19<br>Type: Plantation on Ancient Woodland | (NW) | 129 | 2 | 329880 349489 |
| 79 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 33409<br>Area(m²): 11674.4<br>Type: Ancient and Semi-Natural Woodland | B9NE (N) | 144 | 2 | 331119 349002 |
| 80 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 31883<br>Area(m²): 7490.9<br>Type: Ancient and Semi-Natural Woodland | (SW) | 204 | 2 | 329876 348049 |
| 81 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 37167<br>Area(m²): 5259.49<br>Type: Restored Ancient Woodland Site | (N) | 468 | 2 | 331602 350292 |
| 82 | **Ancient Woodland**<br>Name: Not Supplied<br>Reference: 33410<br>Area(m²): 4736.41<br>Type: Ancient and Semi-Natural Woodland | B14SE (NE) | 702 | 2 | 331629 349149 |

| Agency & Hydrological | Version | Update Cycle |
|---|---|---|
| **Contaminated Land Register Entries and Notices** | | |
| Natural Resources Wales | June 2020 | Annually |
| Wrexham County Borough Council - Public Protection Department | October 2017 | Annually |
| **Discharge Consents** | | |
| Environment Agency - Welsh Region | August 2014 | Quarterly |
| Natural Resources Wales | January 2022 | Quarterly |
| **Enforcement and Prohibition Notices** | | |
| Environment Agency - Welsh Region | March 2013 | |
| **Integrated Pollution Controls** | | |
| Environment Agency - Welsh Region | January 2009 | |
| **Integrated Pollution Prevention And Control** | | |
| Environment Agency - Welsh Region | January 2021 | Quarterly |
| Natural Resources Wales | January 2022 | Quarterly |
| **Local Authority Integrated Pollution Prevention And Control** | | |
| Wrexham County Borough Council - Environmental Health Department | April 2014 | Variable |
| **Local Authority Pollution Prevention and Controls** | | |
| Wrexham County Borough Council - Environmental Health Department | April 2014 | Annual Rolling Update |
| **Local Authority Pollution Prevention and Control Enforcements** | | |
| Wrexham County Borough Council - Environmental Health Department | April 2014 | Variable |
| **Nearest Surface Water Feature** | | |
| Ordnance Survey | November 2021 | |
| **Pollution Incidents to Controlled Waters** | | |
| Environment Agency - Welsh Region | December 1998 | |
| **Prosecutions Relating to Authorised Processes** | | |
| Environment Agency - Welsh Region | July 2015 | |
| Natural Resources Wales | July 2015 | |
| **Prosecutions Relating to Controlled Waters** | | |
| Environment Agency - Welsh Region | March 2013 | |
| Natural Resources Wales | March 2013 | |
| **Registered Radioactive Substances** | | |
| Natural Resources Wales | January 2015 | |
| Environment Agency - Welsh Region | June 2016 | As notified |
| **River Quality** | | |
| Environment Agency - Head Office | November 2001 | Not Applicable |
| **Substantiated Pollution Incident Register** | | |
| Environment Agency Wales - North Area | January 2021 | Quarterly |
| Natural Resources Wales | January 2022 | Quarterly |
| **Water Abstractions** | | |
| Environment Agency - Welsh Region | January 2022 | Quarterly |
| Natural Resources Wales | November 2021 | Quarterly |
| **Water Industry Act Referrals** | | |
| Natural Resources Wales | January 2022 | Quarterly |
| Environment Agency - Welsh Region | October 2017 | |
| **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 | July 2017 | Annual Rolling Update |

| Agency & Hydrological | Version | Update Cycle |
|---|---|---|
| **Extreme Flooding from Rivers or Sea without Defences**<br>Natural Resources Wales | September 2020 | Quarterly |
| **Flooding from Rivers or Sea without Defences**<br>Natural Resources Wales | September 2020 | Quarterly |
| **Areas Benefiting from Flood Defences**<br>Natural Resources Wales | November 2019 | Quarterly |
| **Flood Water Storage Areas**<br>Natural Resources Wales | August 2019 | Quarterly |
| **Flood Defences**<br>Natural Resources Wales | November 2019 | Quarterly |
| **OS Water Network Lines**<br>Ordnance Survey | October 2021 | Quarterly |
| **BGS Groundwater Flooding Susceptibility**<br>British Geological Survey - National Geoscience Information Service | May 2013 | Annually |
| **Waste** | **Version** | **Update Cycle** |
| **BGS Recorded Landfill Sites**<br>British Geological Survey - National Geoscience Information Service | November 2002 | Not Applicable |
| **Historical Landfill Sites**<br>Natural Resources Wales | July 2019 | Quarterly |
| **Integrated Pollution Control Registered Waste Sites**<br>Environment Agency - Welsh Region | January 2009 | Not Applicable |
| **Licensed Waste Management Facilities (Landfill Boundaries)**<br>Environment Agency Wales - North Area<br>Natural Resources Wales | October 2021<br>October 2021 | Quarterly<br>Quarterly |
| **Licensed Waste Management Facilities (Locations)**<br>Natural Resources Wales<br>Environment Agency Wales - North Area | April 2021<br>July 2021 | Quarterly<br>Quarterly |
| **Local Authority Landfill Coverage**<br>Wrexham County Borough Council | February 2003 | Not Applicable |
| **Local Authority Recorded Landfill Sites**<br>Wrexham County Borough Council | October 2018 | |
| **Registered Landfill Sites**<br>Environment Agency Wales - North Area | March 2006 | Not Applicable |
| **Registered Waste Transfer Sites**<br>Environment Agency Wales - North Area | April 2018 | |
| **Registered Waste Treatment or Disposal Sites**<br>Environment Agency Wales - North Area | June 2015 | |
| **Hazardous Substances** | **Version** | **Update Cycle** |
| **Control of Major Accident Hazards Sites (COMAH)**<br>Health and Safety Executive | January 2022 | Bi-Annually |
| **Explosive Sites**<br>Health and Safety Executive | March 2017 | Annually |
| **Notification of Installations Handling Hazardous Substances (NIHHS)**<br>Health and Safety Executive | August 2001 | |
| **Planning Hazardous Substance Enforcements**<br>Wrexham County Borough Council - Planning Department | February 2016 | Variable |
| **Planning Hazardous Substance Consents**<br>Wrexham County Borough Council - Planning Department | February 2016 | Variable |

| Geological | Version | Update Cycle |
|---|---|---|
| **BGS 1:625,000 Solid Geology**<br>British Geological Survey - National Geoscience Information Service | January 2009 | Not Applicable |
| **BGS Recorded Mineral Sites**<br>British Geological Survey - National Geoscience Information Service | November 2021 | Bi-Annually |
| **CBSCB Compensation District**<br>Cheshire Brine Subsidence Compensation Board (CBSCB)<br>Cheshire Brine Subsidence Compensation Board (CBSCB) | August 2011<br>November 2020 | As notified |
| **Coal Mining Affected Areas**<br>The Coal Authority - Property Searches | March 2014 | Annual Rolling Update |
| **Mining Instability**<br>Ove Arup & Partners | June 1998 | Not Applicable |
| **Non Coal Mining Areas of Great Britain**<br>British Geological Survey - National Geoscience Information Service | May 2015 | Not Applicable |
| **Potential for Collapsible Ground Stability Hazards**<br>British Geological Survey - National Geoscience Information Service | April 2020 | As notified |
| **Potential for Compressible Ground Stability Hazards**<br>British Geological Survey - National Geoscience Information Service | January 2019 | As notified |
| **Potential for Ground Dissolution Stability Hazards**<br>British Geological Survey - National Geoscience Information Service | January 2019 | As notified |
| **Potential for Landslide Ground Stability Hazards**<br>British Geological Survey - National Geoscience Information Service | January 2019 | As notified |
| **Potential for Running Sand Ground Stability Hazards**<br>British Geological Survey - National Geoscience Information Service | January 2019 | As notified |
| **Potential for Shrinking or Swelling Clay Ground Stability Hazards**<br>British Geological Survey - National Geoscience Information Service | January 2019 | As notified |
| **Radon Potential - Radon Affected Areas**<br>British Geological Survey - National Geoscience Information Service | July 2011 | Annually |
| **Radon Potential - Radon Protection Measures**<br>British Geological Survey - National Geoscience Information Service | July 2011 | Annually |
| **Industrial Land Use** | **Version** | **Update Cycle** |
| **Contemporary Trade Directory Entries**<br>Thomson Directories | January 2022 | Quarterly |
| **Fuel Station Entries**<br>Catalist Ltd - Experian | November 2021 | Quarterly |
| **Gas Pipelines**<br>National Grid | October 2021 | Bi-Annually |
| **Underground Electrical Cables**<br>National Grid | May 2021 | Bi-Annually |

| Sensitive Land Use | Version | Update Cycle |
|---|---|---|
| **Ancient Woodland**<br>Natural Resources Wales | September 2018 | Bi-Annually |
| **Areas of Adopted Green Belt**<br>Wrexham County Borough Council | October 2020 | Quarterly |
| **Areas of Unadopted Green Belt**<br>Wrexham County Borough Council | October 2020 | Quarterly |
| **Areas of Outstanding Natural Beauty**<br>Natural Resources Wales | June 2019 | Bi-Annually |
| **Environmentally Sensitive Areas**<br>The National Assembly for Wales - GI Services (Department of Planning & Countryside) | January 2017 | |
| **Forest Parks**<br>Forestry Commission | April 1997 | Not Applicable |
| **Local Nature Reserves**<br>Wrexham County Borough Council | August 2018 | Bi-Annually |
| **Marine Nature Reserves**<br>Natural Resources Wales | August 2018 | Bi-Annually |
| **National Nature Reserves**<br>Natural Resources Wales | July 2019 | Bi-Annually |
| **National Parks**<br>Natural Resources Wales | February 2018 | Annually |
| **Nitrate Vulnerable Zones**<br>The National Assembly for Wales - GI Services (Department of Planning & Countryside)<br>Natural Resources Wales | April 2016<br>July 2019 | Bi-Annually |
| **Ramsar Sites**<br>Natural Resources Wales | July 2019 | Bi-Annually |
| **Sites of Special Scientific Interest**<br>Natural Resources Wales | March 2020 | Bi-Annually |
| **Special Areas of Conservation**<br>Natural Resources Wales | August 2020 | Bi-Annually |
| **Special Protection Areas**<br>Natural Resources Wales | August 2018 | 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**<br>British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG | Telephone: 0115 936 3143<br>Fax: 0115 936 3276<br>Email: enquiries@bgs.ac.uk<br>Website: www.bgs.ac.uk |
| 2 | **Natural Resources Wales**<br>Ty Cambria, 29 Newport Road, Cardiff, CF24 0TP | Telephone: 0300 065 3000<br>Email: enquiries@naturalresourceswales.gov.uk |
| 3 | **Wrexham County Borough Council - Environmental Health Department**<br>Crown Buildings, P O Box 1297, Wrexham, Clwyd, LL13 8ZE | Telephone: 01978 297038<br>Fax: 01978 292502<br>Website: www.wrexham.gov.uk |
| 4 | **Environment Agency - National Customer Contact Centre (NCCC)**<br>PO Box 544, Templeborough, Rotherham, S60 1BY | Telephone: 03708 506 506<br>Email: enquiries@environment-agency.gov.uk |
| 5 | **Ordnance Survey**<br>Adanac Drive, Southampton, Hampshire, SO16 0AS | Telephone: 03456 05 05 05<br>Email: customerservices@ordnancesurvey.co.uk<br>Website: www.ordnancesurvey.gov.uk |
| 6 | **Wrexham County Borough Council**<br>Lampet Street, Guildhall, Wrexham, Clwyd, LL11 1WL | Telephone: 01978 292000<br>Fax: 01978 292502<br>Website: www.wrexham.gov.uk |
| 7 | **The Coal Authority - Property Searches**<br>200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG | Telephone: 0345 762 6848<br>Fax: 01623 637 338<br>Email: groundstability@coal.gov.uk<br>Website: www2.groundstability.com |
| 8 | **Stantec UK Ltd**<br>Caversham Bridge House, Waterman Place, Reading, RG1 8DN | Telephone: 0118 950 0761<br>Email: pba.reading@stantec.com<br>Website: www.stantec.com |
| - | **Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards**<br>Chilton, Didcot, Oxfordshire, OX11 0RQ | Telephone: 01235 822622<br>Fax: 01235 833891<br>Email: radon@phe.gov.uk<br>Website: www.ukradon.org |
| - | **Landmark Information Group Limited**<br>Imperium, Imperial Way, Reading, Berkshire, RG2 0TD | Telephone: 0844 844 9952<br>Fax: 0844 844 9951<br>Email: customerservices@landmarkinfo.co.uk<br>Website: www.landmarkinfo.co.uk |

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

# 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
Standard Gauge Single Track
Road Under
Road Over
Level Crossing
Foot Bridge
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

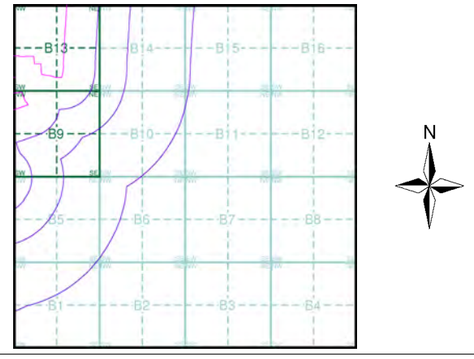
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community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

rps

## 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 - 1915 | 4 |
| Denbighshire | 1:10,560 | 1938 | 5 |
| Denbighshire | 1:10,560 | 1938 - 1954 | 6 |
| Denbighshire | 1:10,560 | 1954 | 7 |
| Ordnance Survey Plan | 1:10,000 | 1964 | 8 |
| Ordnance Survey Plan | 1:10,000 | 1979 | 9 |
| Ordnance Survey Plan | 1:10,000 | 1993 | 10 |
| 10K Raster Mapping | 1:10,000 | 2000 | 11 |
| Street View | Variable | | 12 |

## Historical Map - Slice B



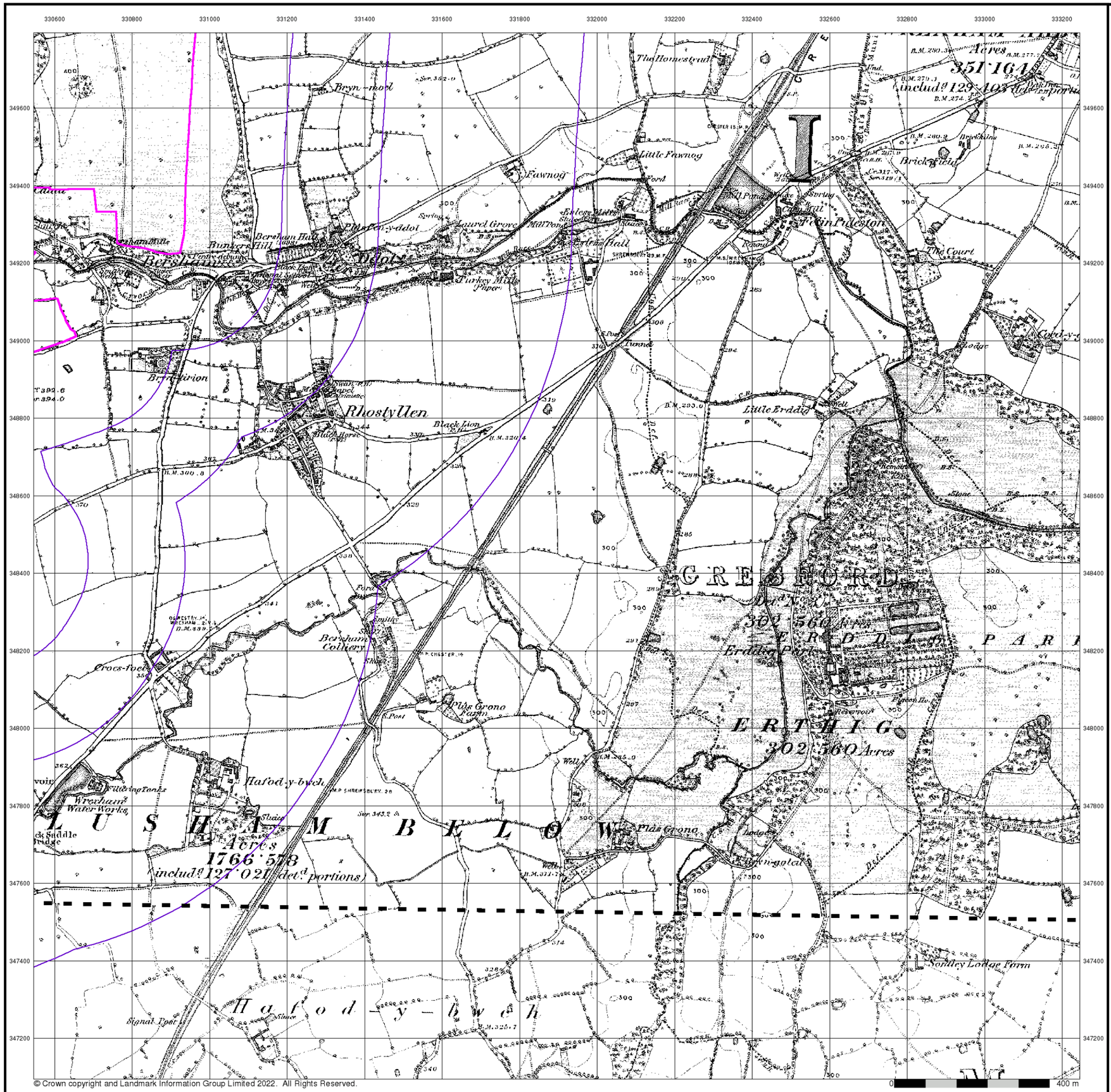

## Order Details

Order Number: 291151542_1_1
Customer Ref: JER8537
National Grid Reference: 331130, 348830
Slice: B
Site Area (Ha): 145.64
Search Buffer (m): 1000

## Site Details

Site at 330330, 350090


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




# Denbighshire

## Published 1879

## Source map scale - 1:10,560

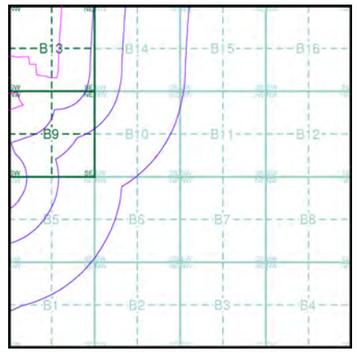
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some 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)

02800
1879
1:10,560

03500
1879
1:10,560

## Historical Map - Slice B



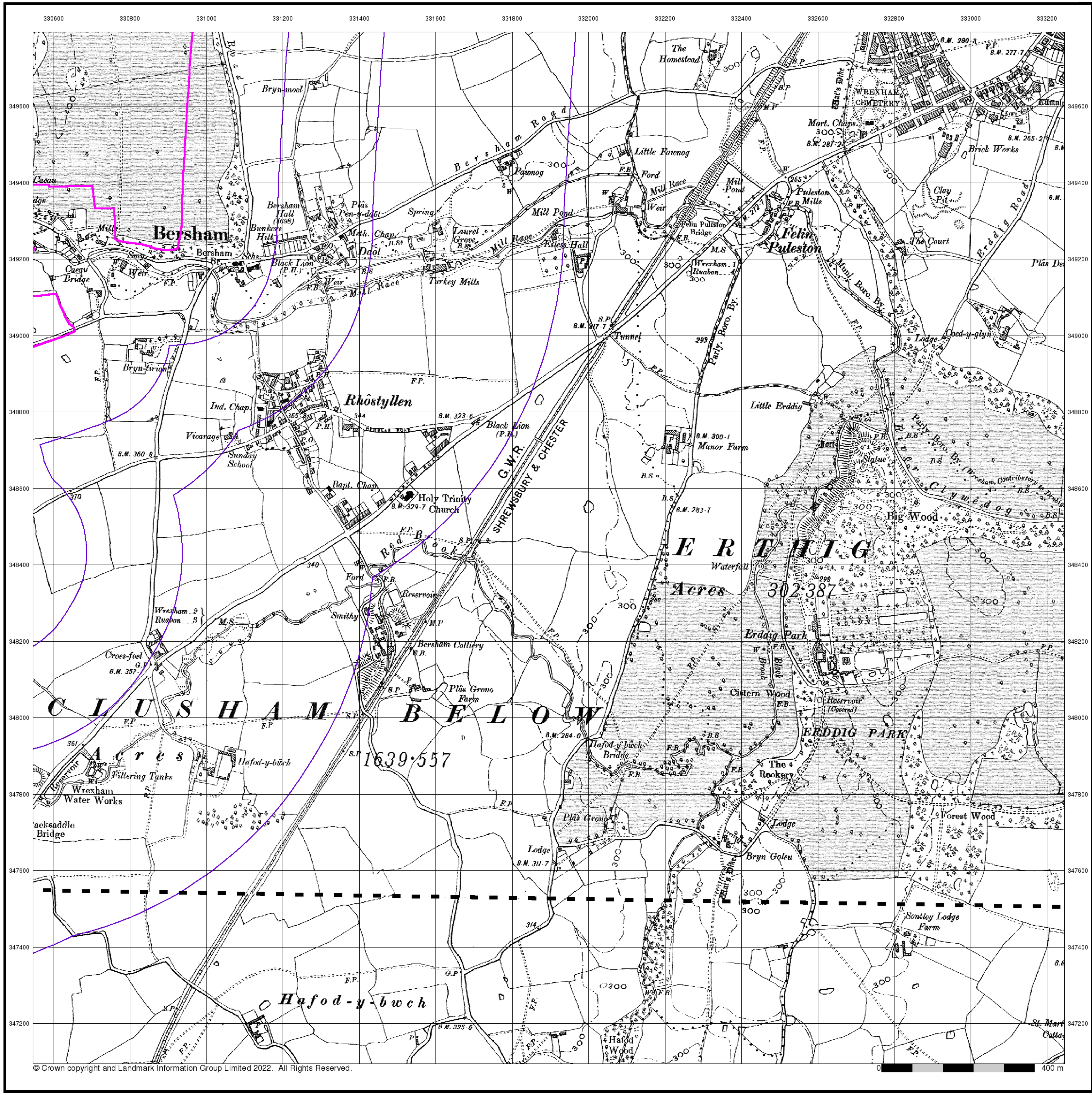

## Order Details

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| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 331130, 348830 |
| Slice: | B |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 1000 |

## Site Details

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0 400 m

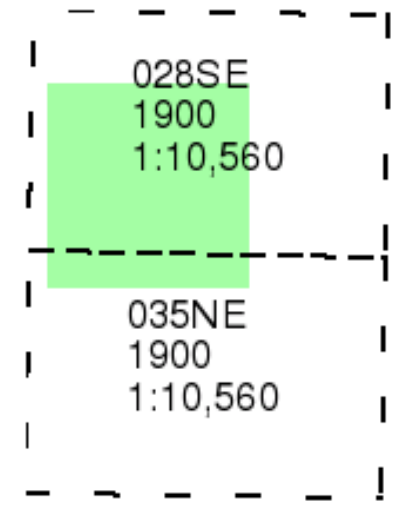
# Denbighshire

## Published 1900

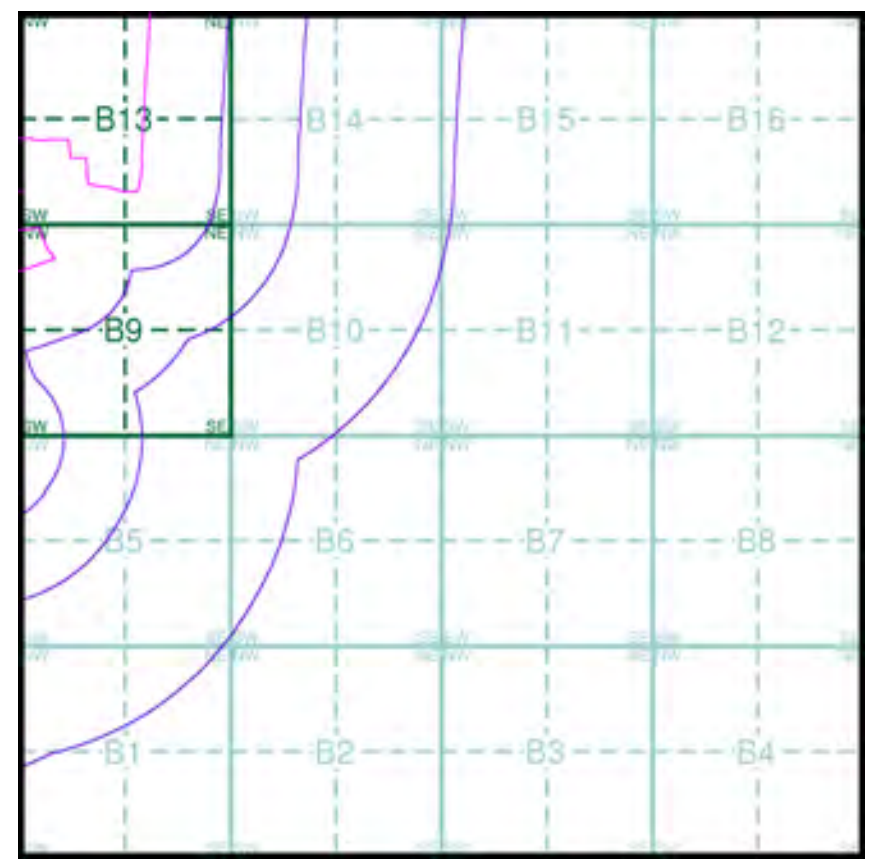
## Source map scale - 1:10,560

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)




## Historical Map - Slice B




N

## Order Details

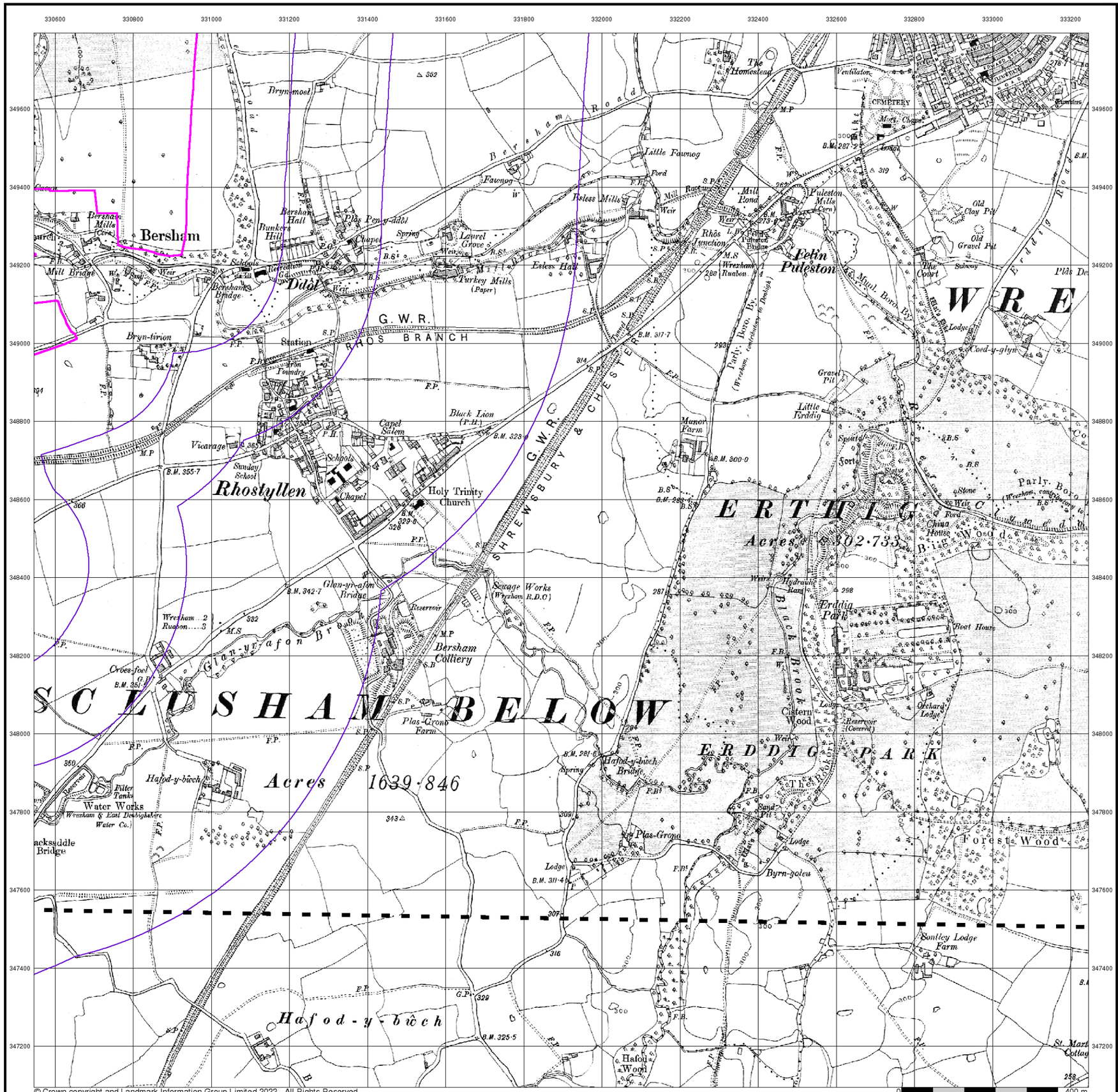
Order Number: 291151542_1_1
Customer Ref: JER8537
National Grid Reference: 331130, 348830
Slice: B
Site Area (Ha): 145.64
Search Buffer (m): 1000

## Site Details

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# Denbighshire

## Published 1914 - 1915

## Source map scale - 1:10,560

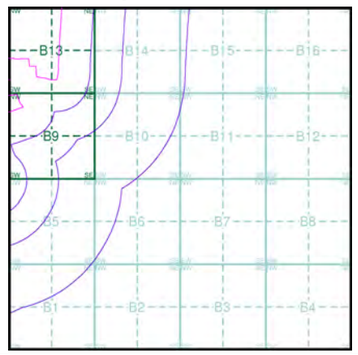
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some 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)

028SE
1915
1:10,560

035NE
1914
1:10,560

## Historical Map - Slice B



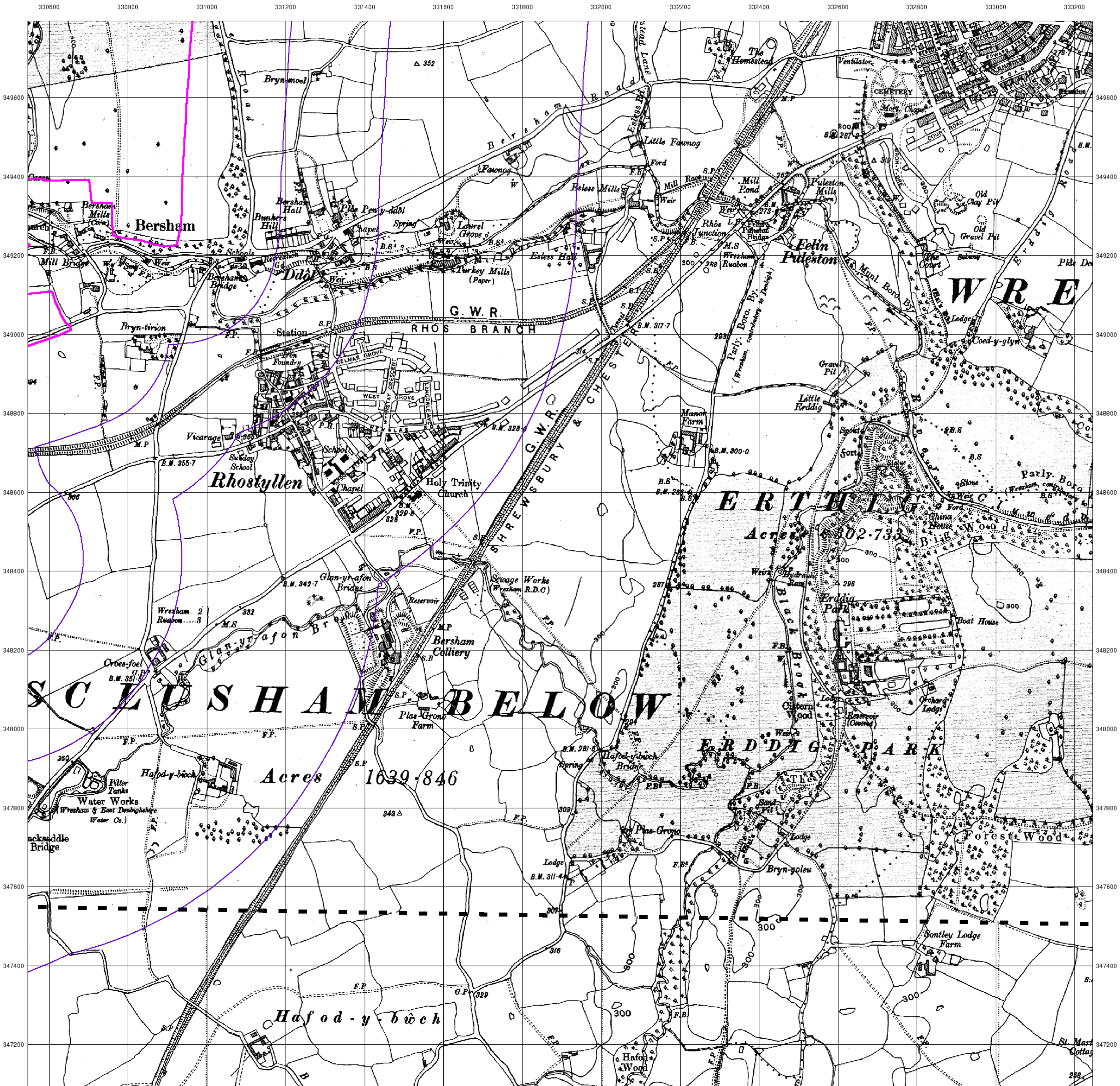

## Order Details

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| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 331130, 348830 |
| Slice: | B |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 1000 |

## Site Details

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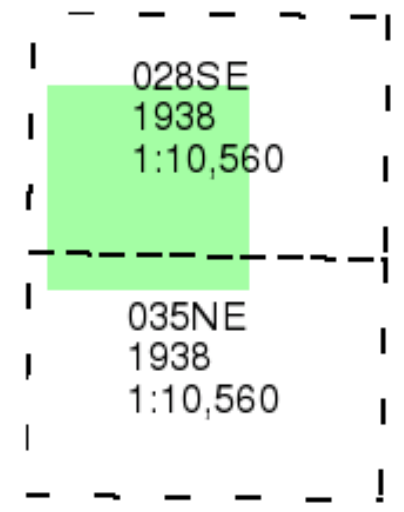
## Denbighshire

## Published 1938

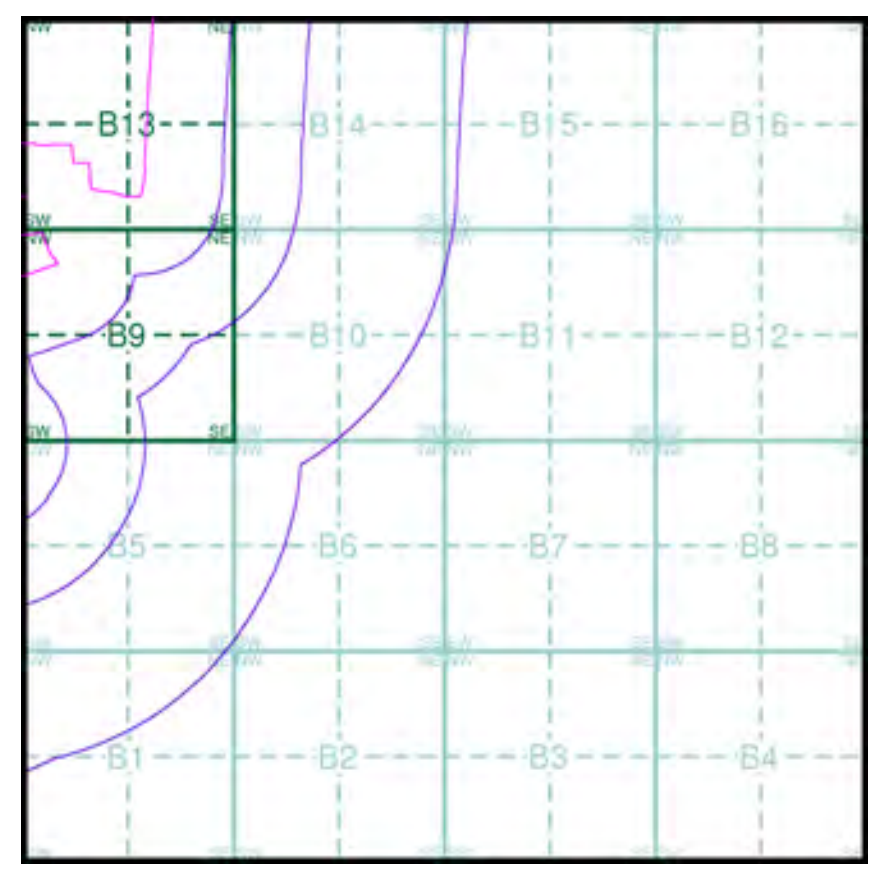
## Source map scale - 1:10,560

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 B




## Order Details

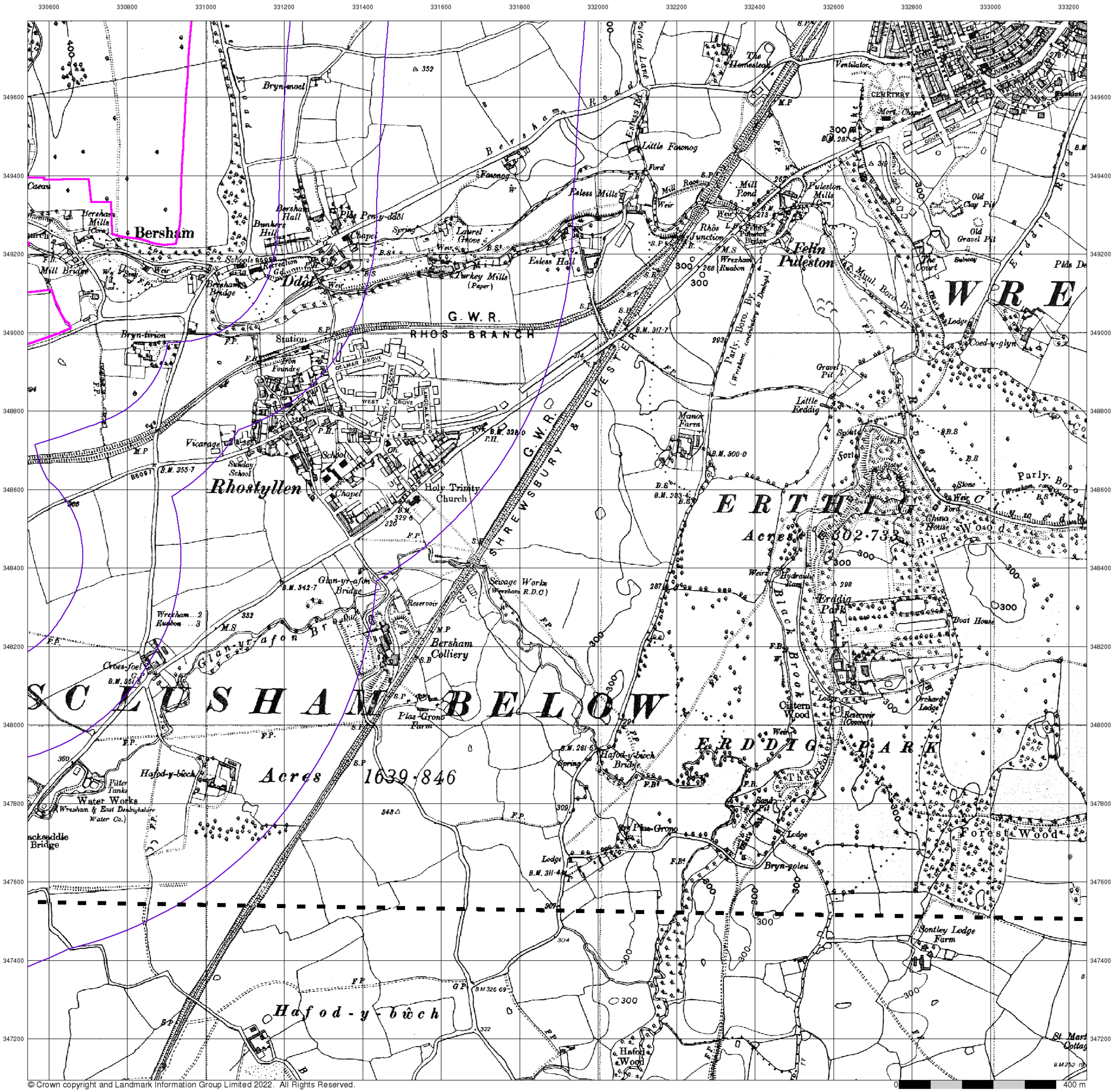
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|---|---|
| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 331130, 348830 |
| Slice: | B |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 1000 |

## Site Details

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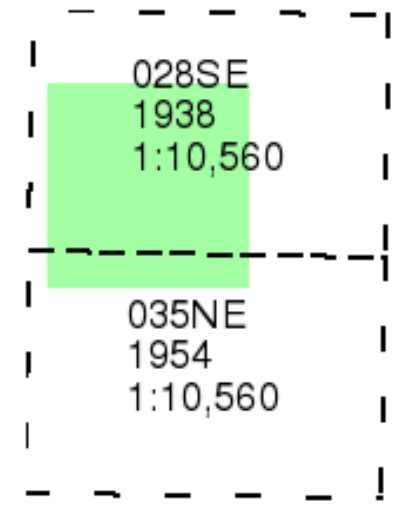
## Denbighshire

## Published 1938 - 1954

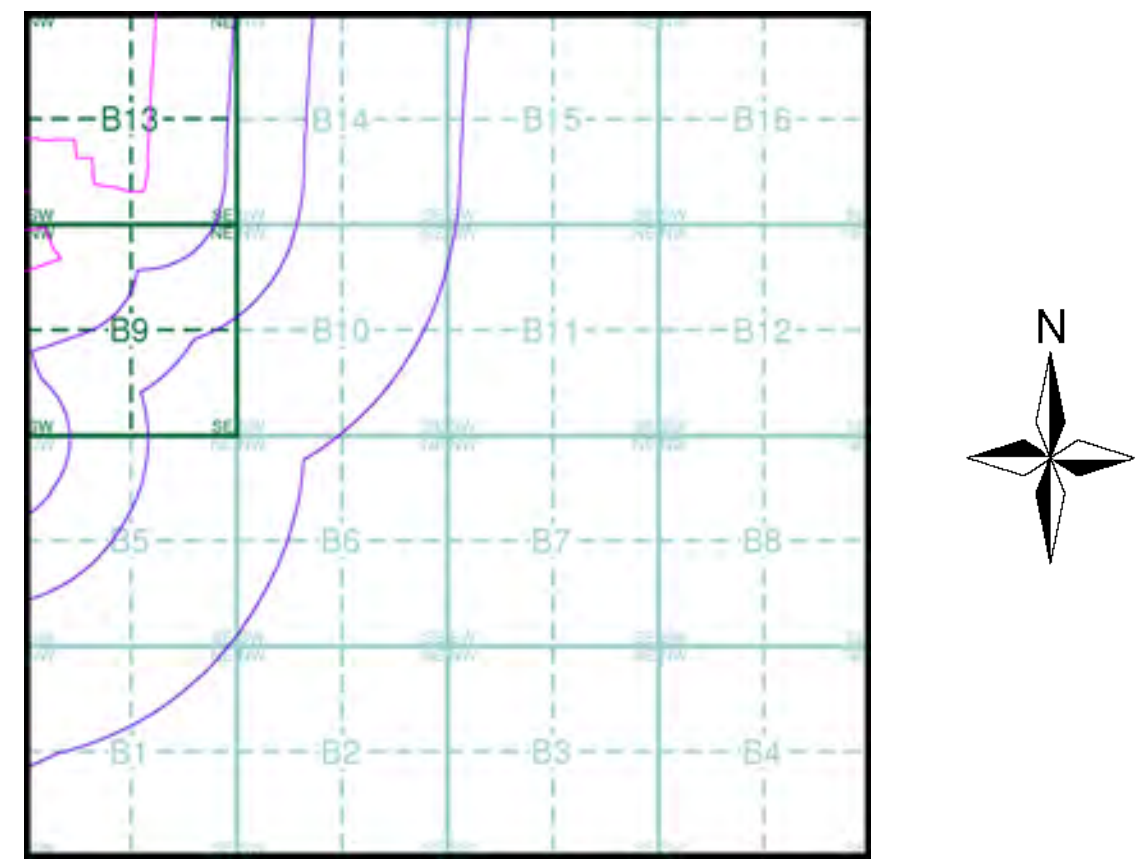
## Source map scale - 1:10,560

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 B



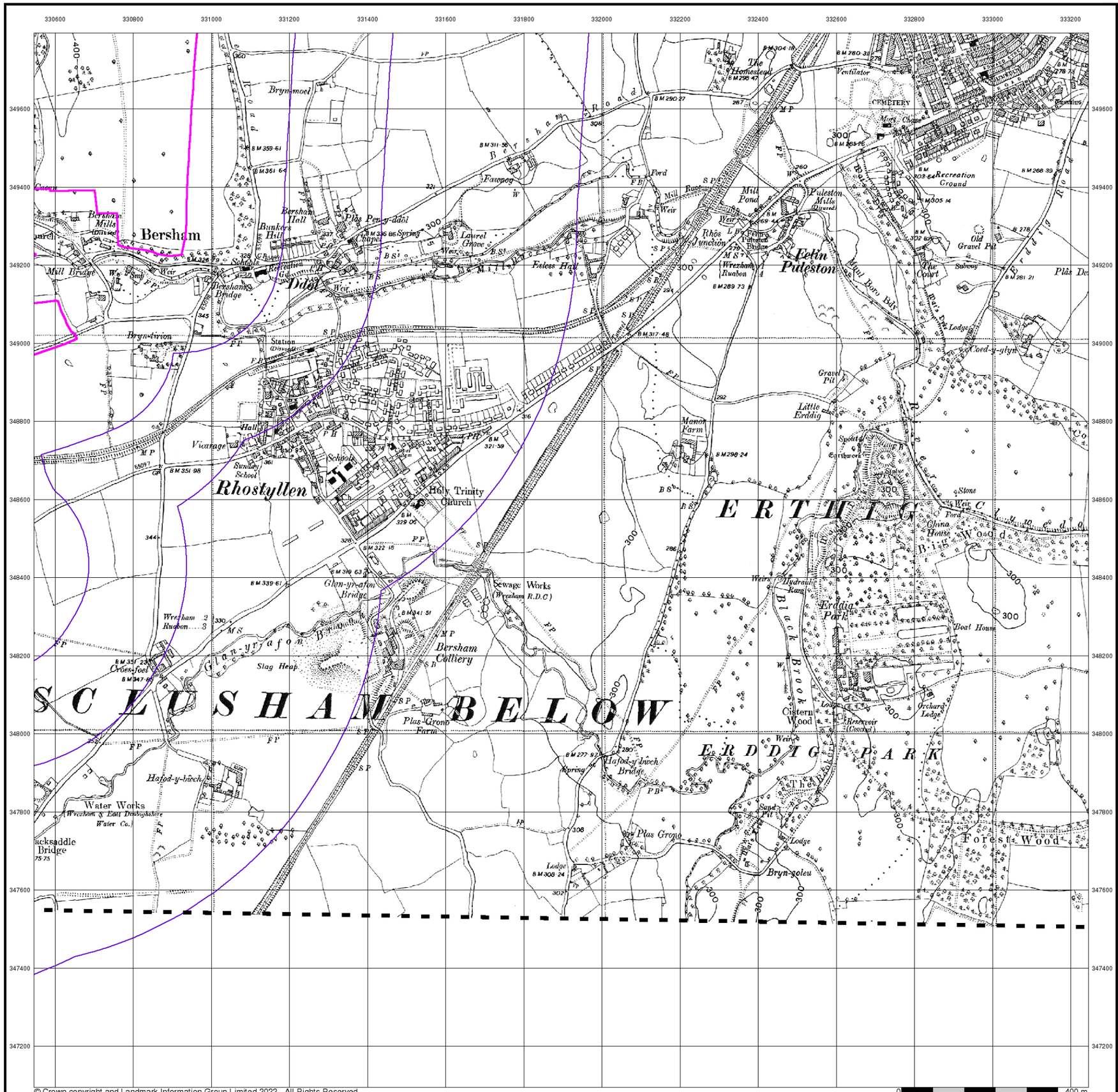

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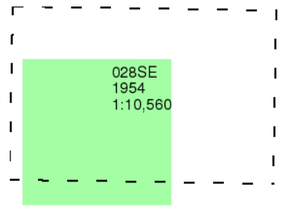
## Denbighshire

## Published 1954

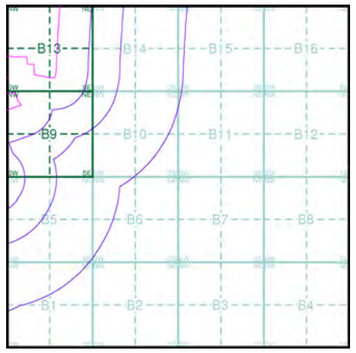
## Source map scale - 1:10,560

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 B



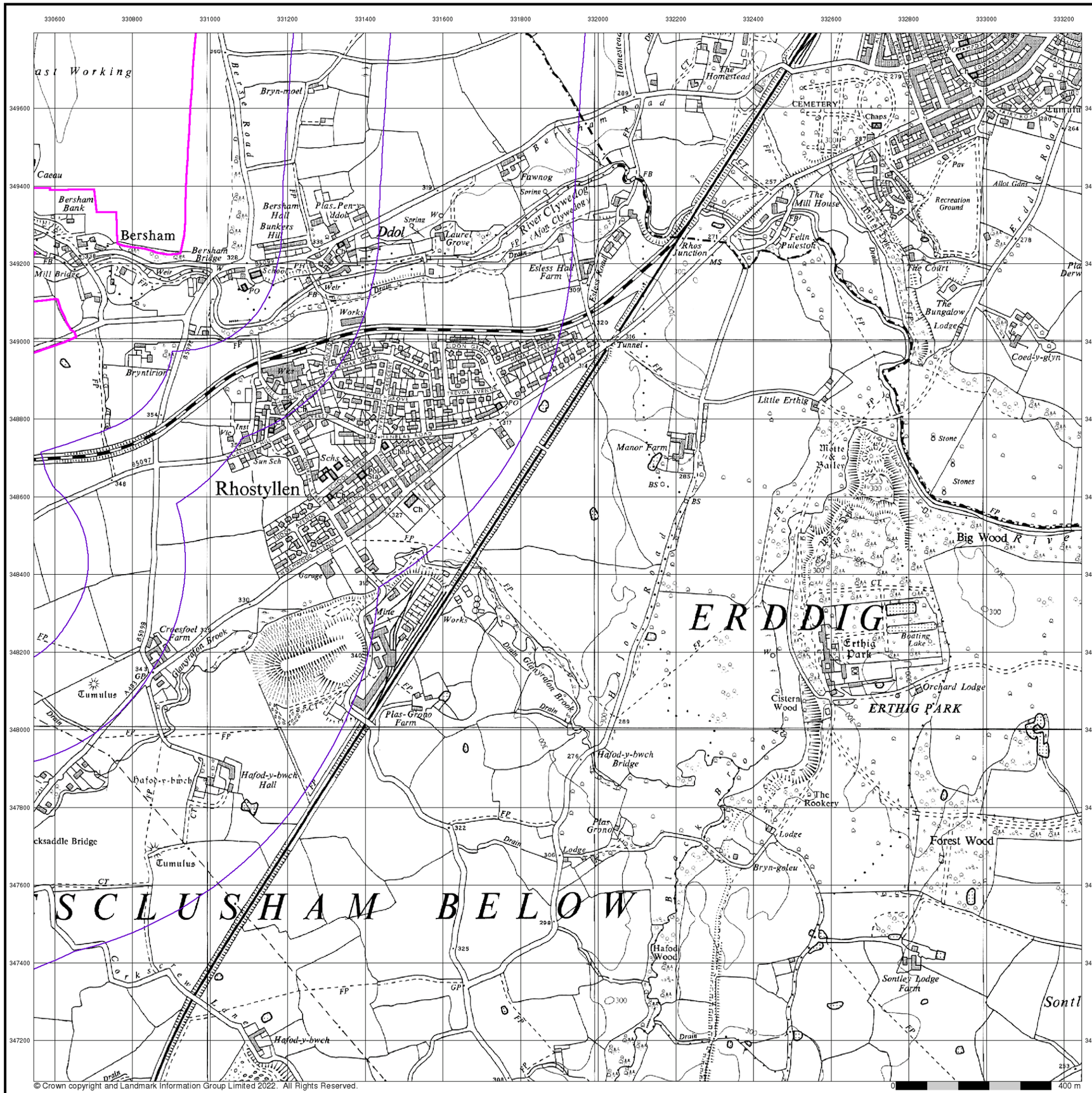

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| National Grid Reference: | 331130, 348830 |
| Slice: | B |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 1000 |

## Site Details

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## Ordnance Survey Plan

## Published 1964

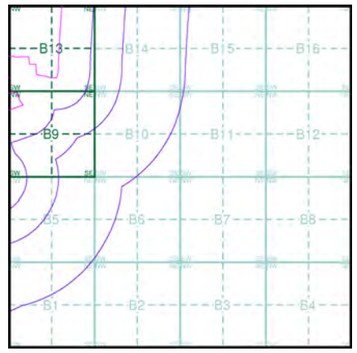
## Source map scale - 1:10,000

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)

SJ34NW
1964
1:10,560

## Historical Map - Slice B



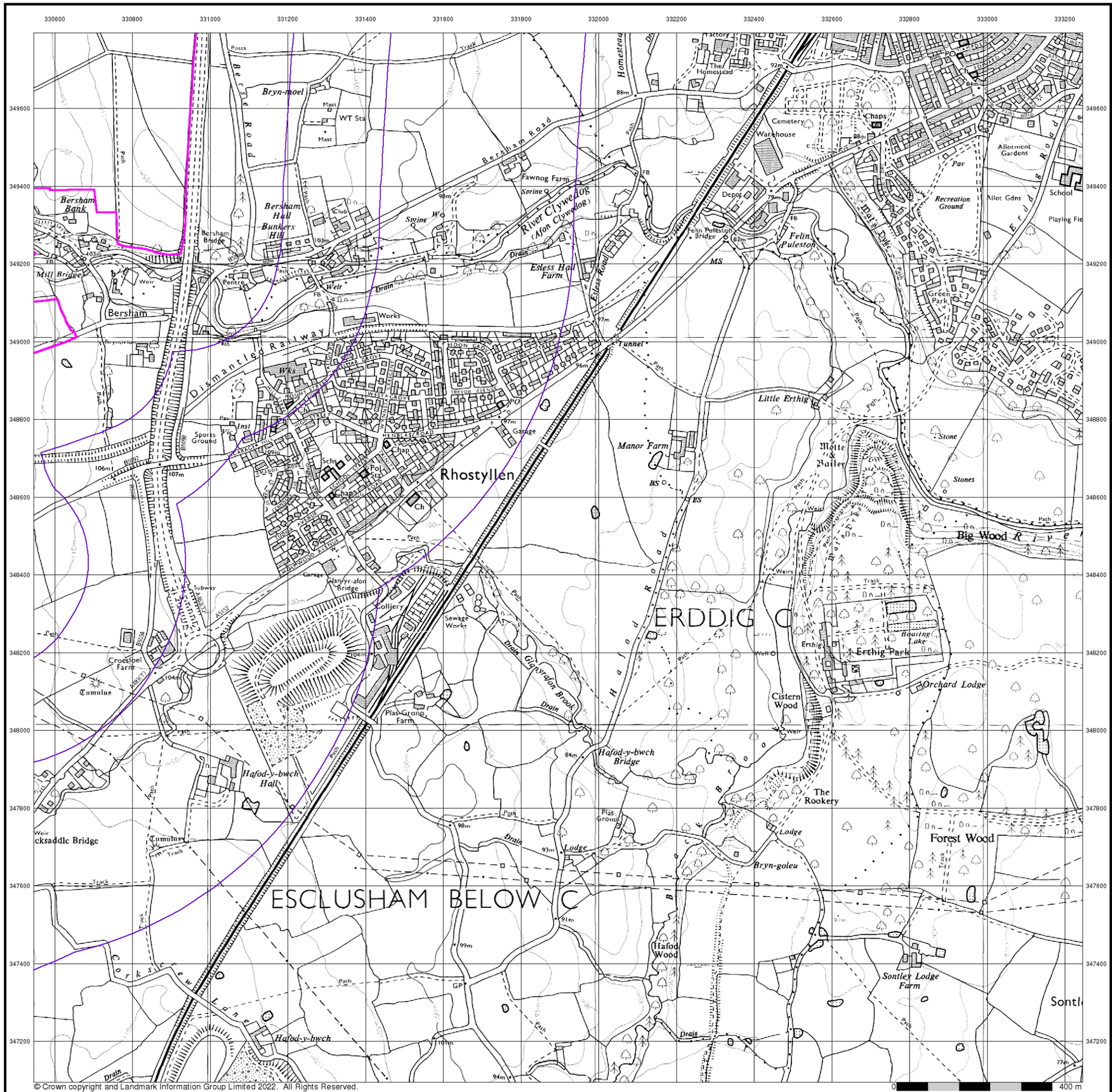

## Order Details

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| National Grid Reference: | 331130, 348830 |
| Slice: | B |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 1000 |

## Site Details

Site at 330330, 350090

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## Ordnance Survey Plan

## Published 1979

## 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)

SJ34NW
1979
1:10,000

## Historical Map - Slice B

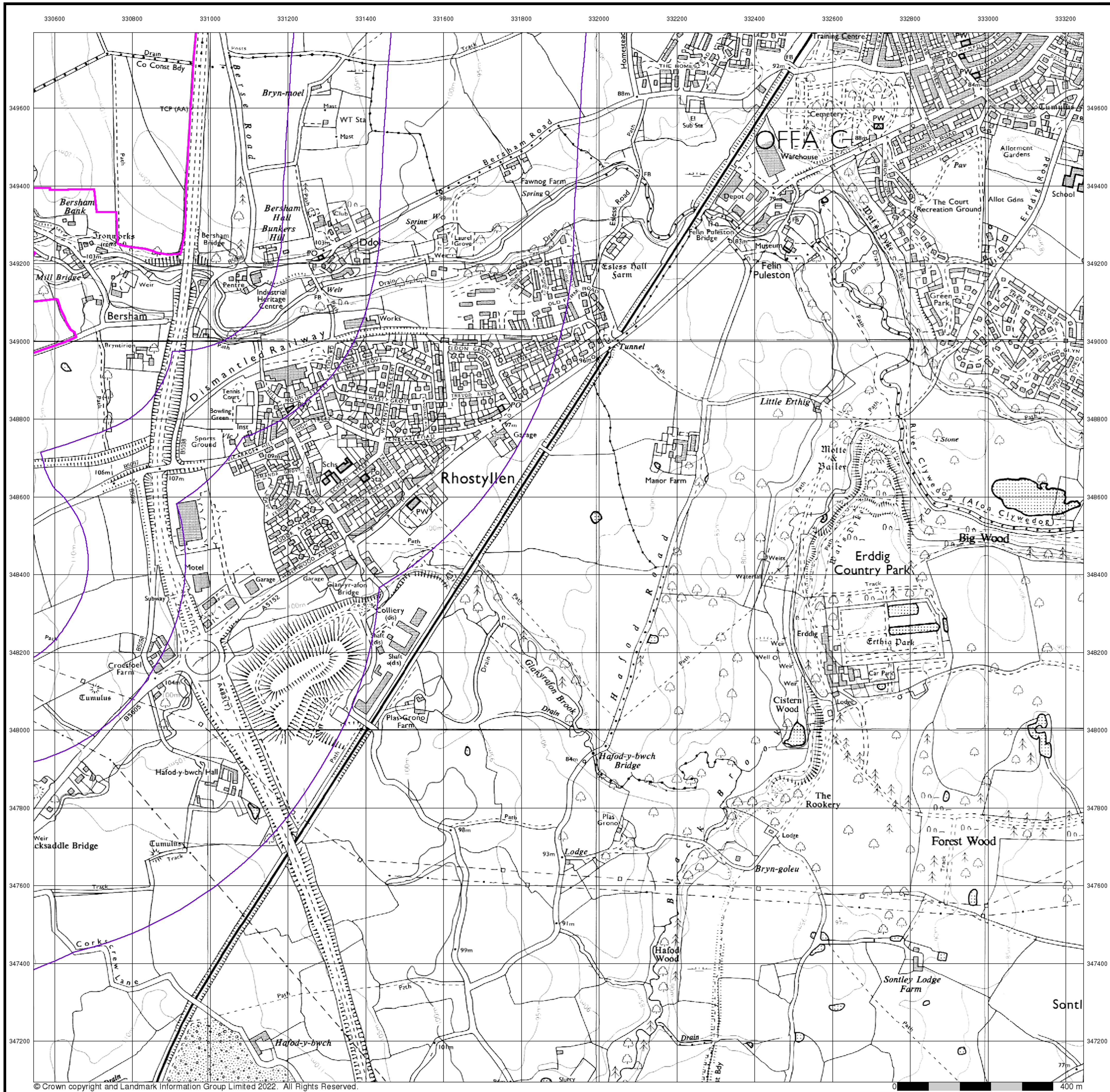
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| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 1000 |

## Site Details

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## Ordnance Survey Plan

## Published 1993

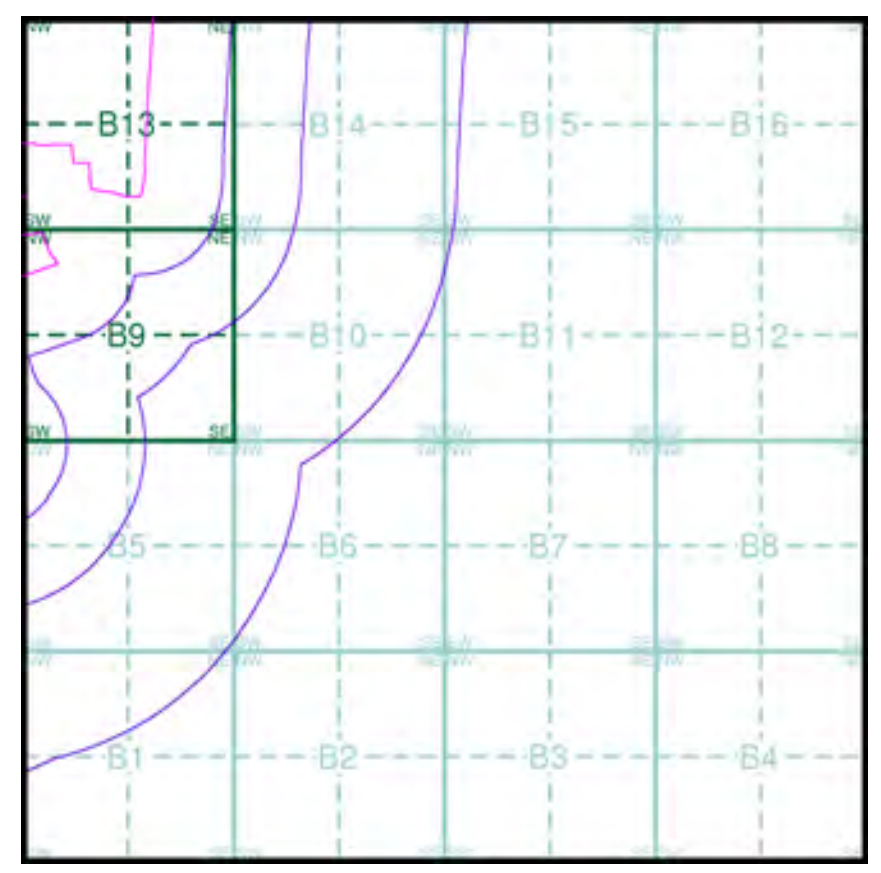
## Source map scale - 1:10,000

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)

SJ34NW
1993
1:10,000

## Historical Map - Slice B




N

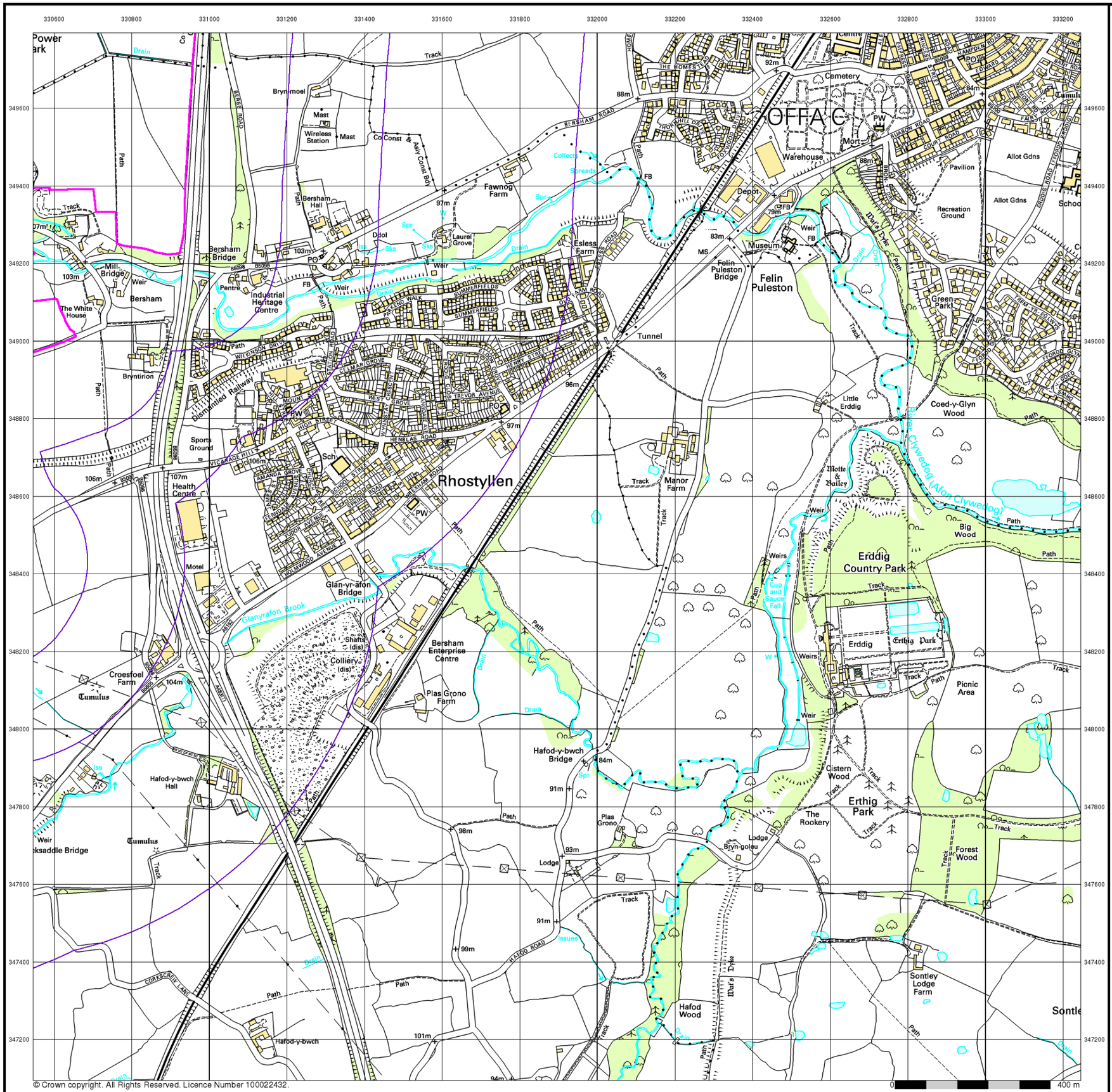
## Order Details

| | |
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| Order Number: | 291151542_1_1 |
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| Slice: | B |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 1000 |

## Site Details

Site at 330330, 350090


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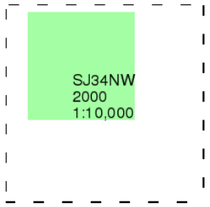

# 10k Raster Mapping

## Published 2000

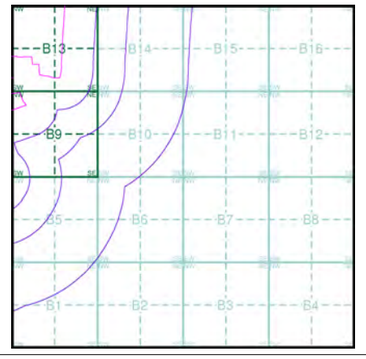
## Source map scale - 1:10,000

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)




## Historical Map - Slice B



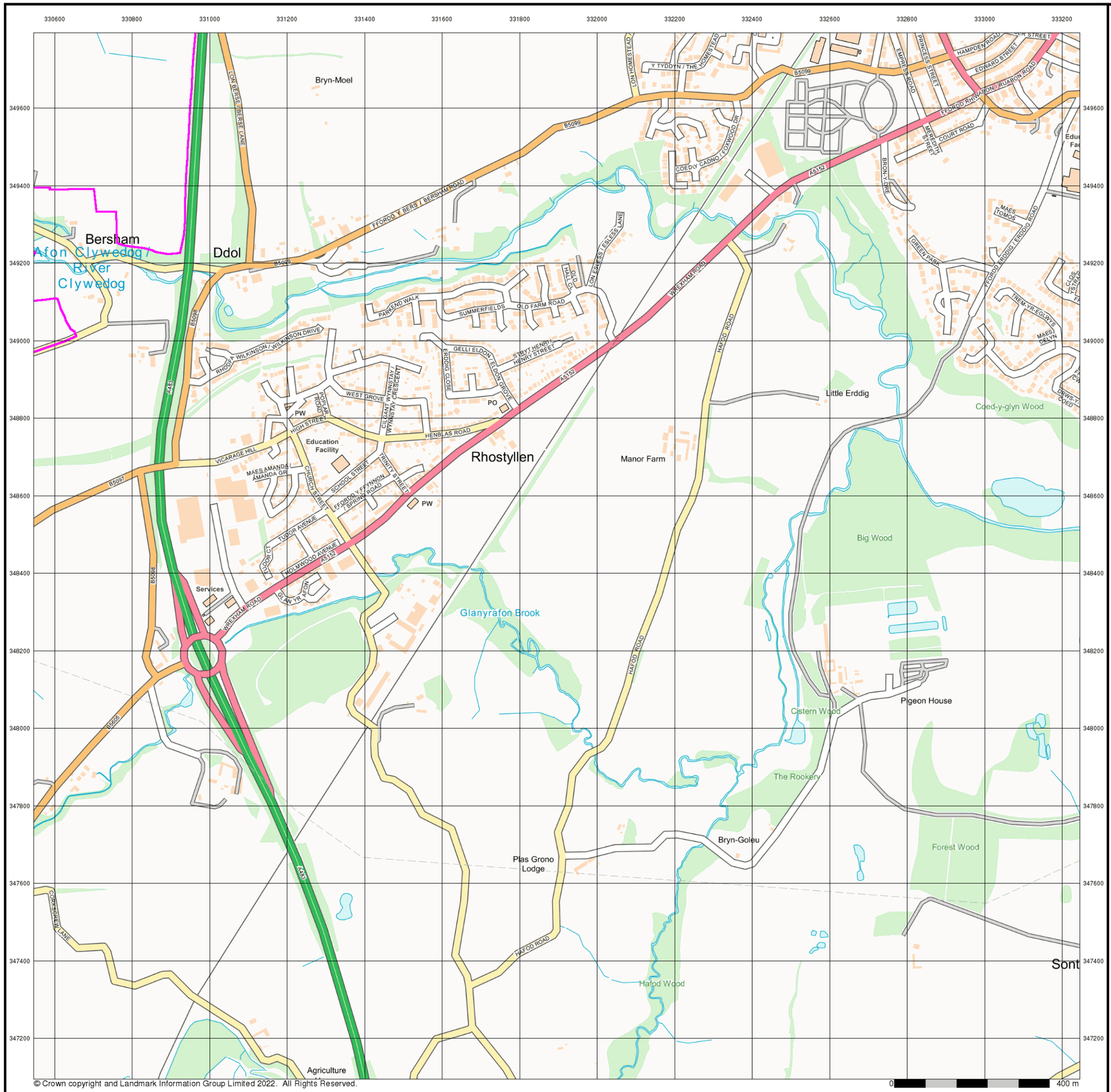

## Order Details

| | |
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| Order Number: | 291151542_1_1 |
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| National Grid Reference: | 331130, 348830 |
| Slice: | B |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 1000 |

## Site Details

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## Street View

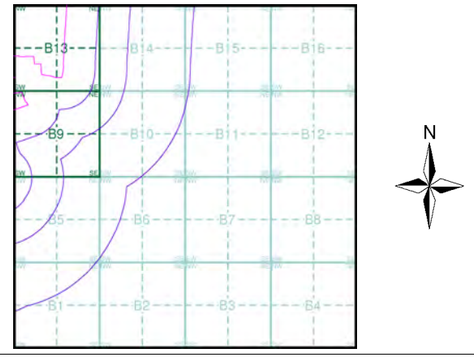
**Published 2022**

**Source map scale - 1:10,000**

Street View is a street-level map for the whole of Great Britain produced by the Ordnance Survey. These maps are provided at a nominal scale of 1:10,000

## Map Name(s) and Date(s)

## Street View Map - Slice B



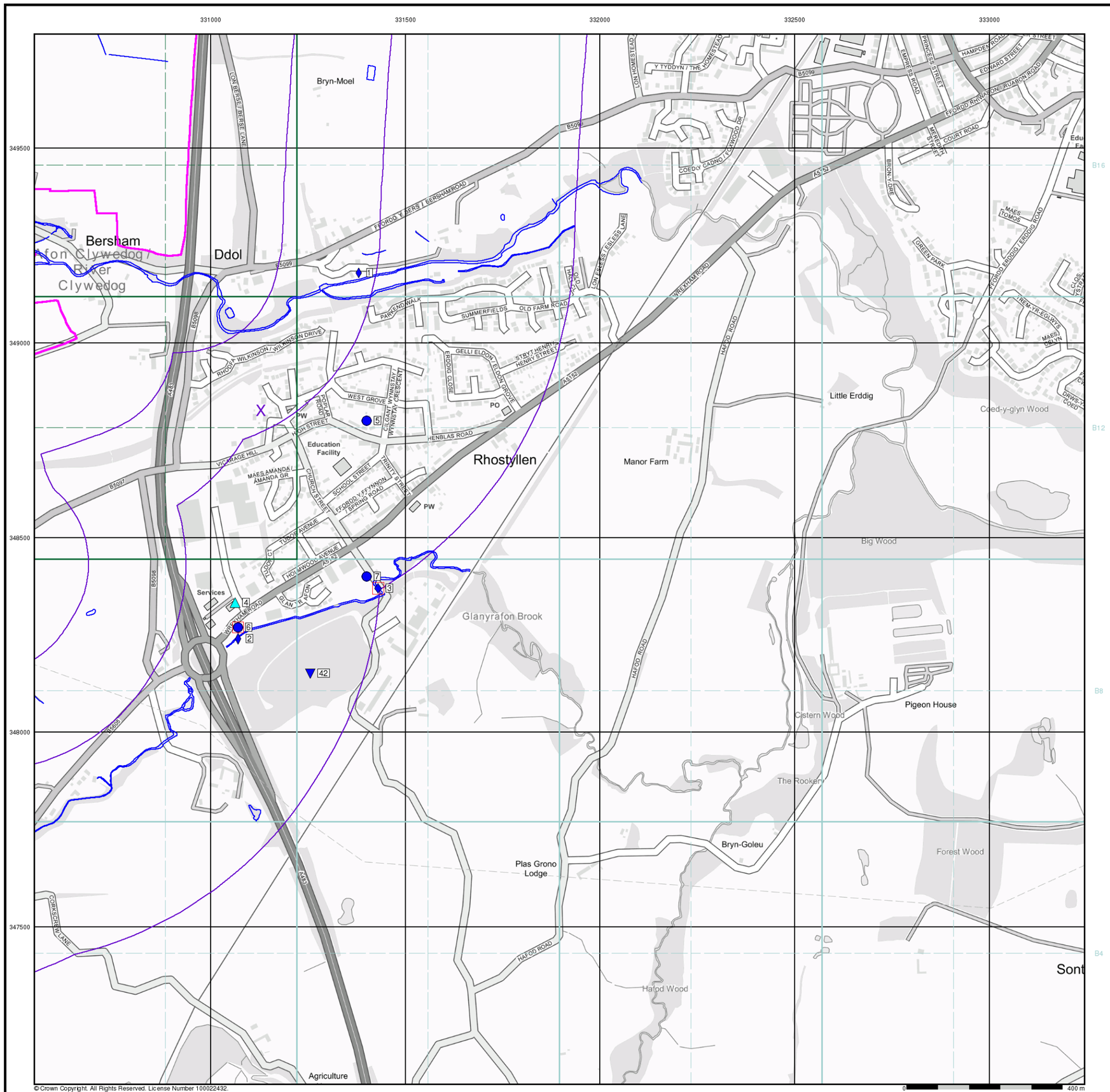

## Order Details

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| National Grid Reference: | 331130, 348830 |
| Slice: | B |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 1000 |

## Site Details

Site at 330330, 350090

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0 400 m

## 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

## Geological

- BGS Recorded Mineral Site

## Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

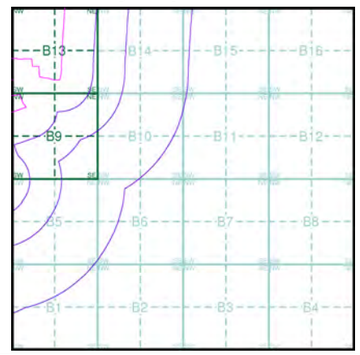
## Waste

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

## Hazardous Substances

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

## Site Sensitivity Map - Slice B




N

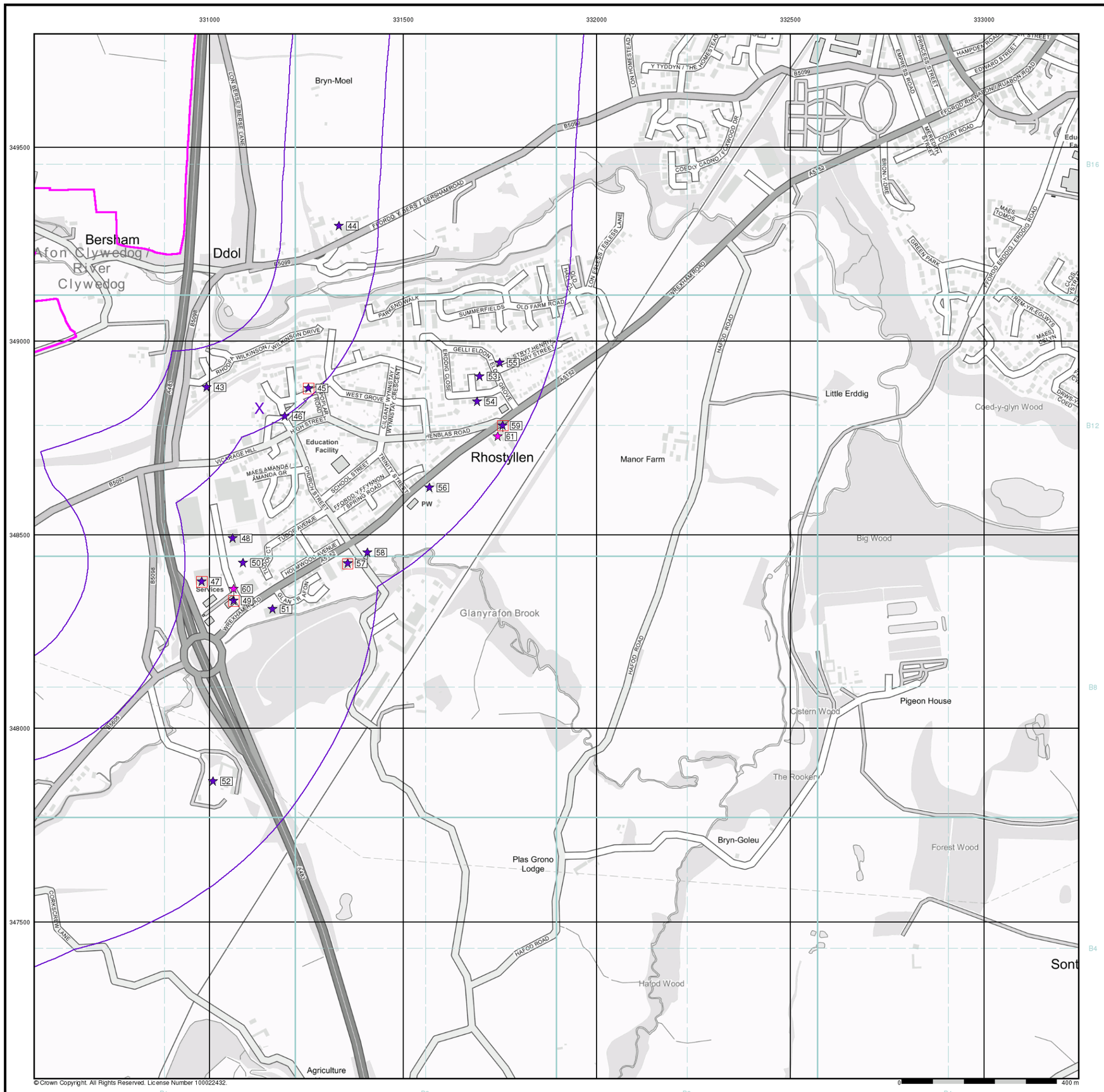
## Order Details

| | |
|---|---|
| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 331130, 348830 |
| Slice: | B |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 1000 |

## Site Details

Site at 330330, 350090

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




# Industrial Land Use Map

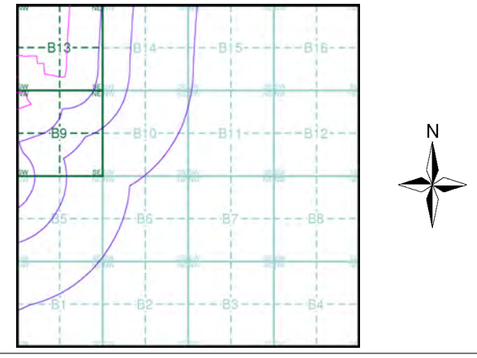
## General

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

## Industrial Land Use

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

## Industrial Land Use Map - Slice B



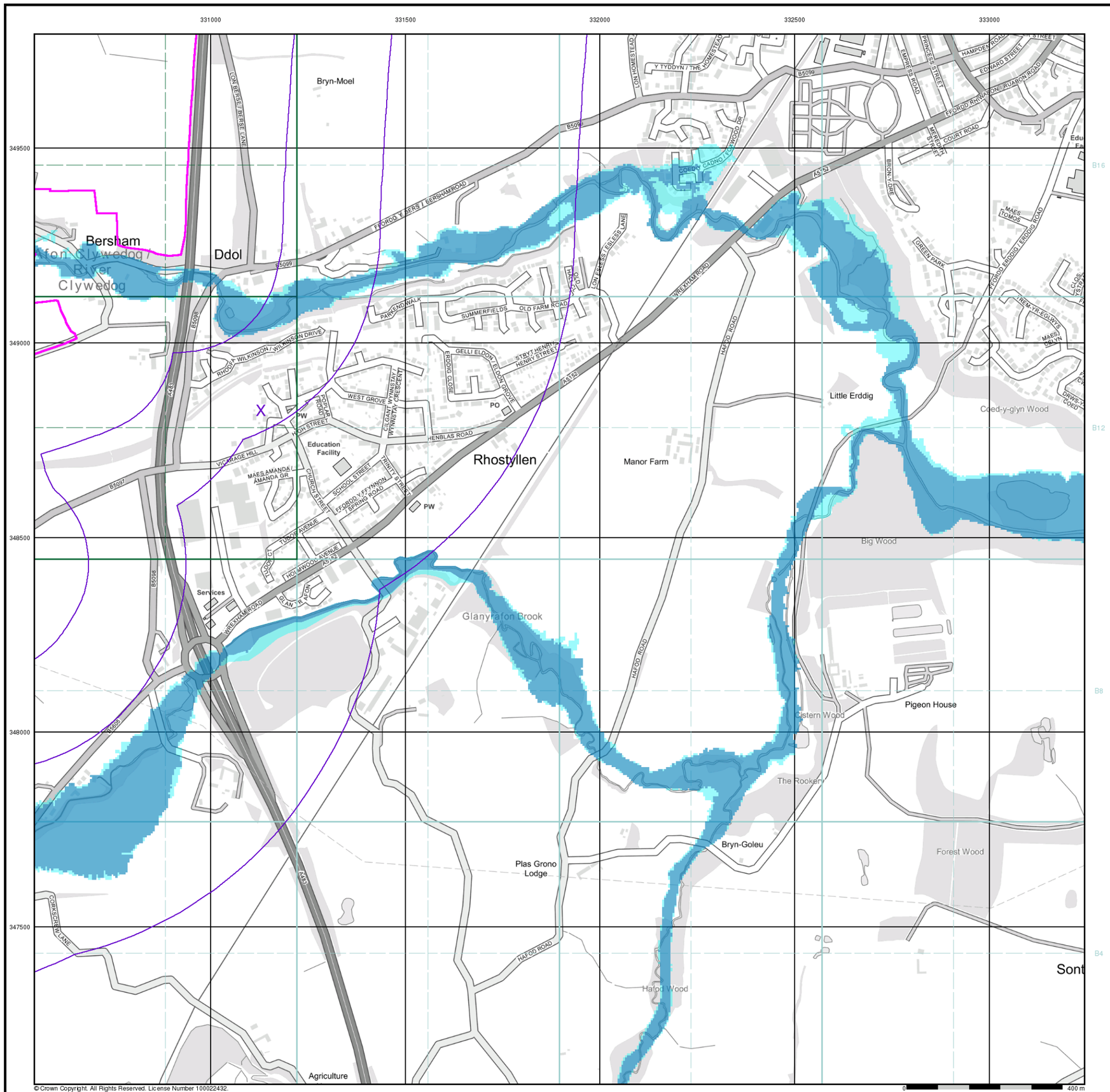

## Order Details

| | |
|---|---|
| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 331130, 348830 |
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## Site Details

Site at 330330, 350090


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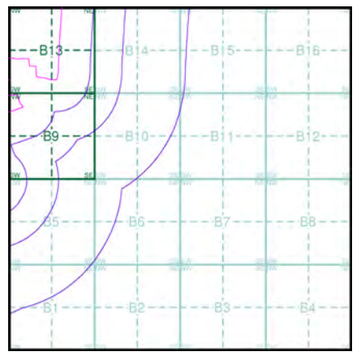

## General

- 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 B



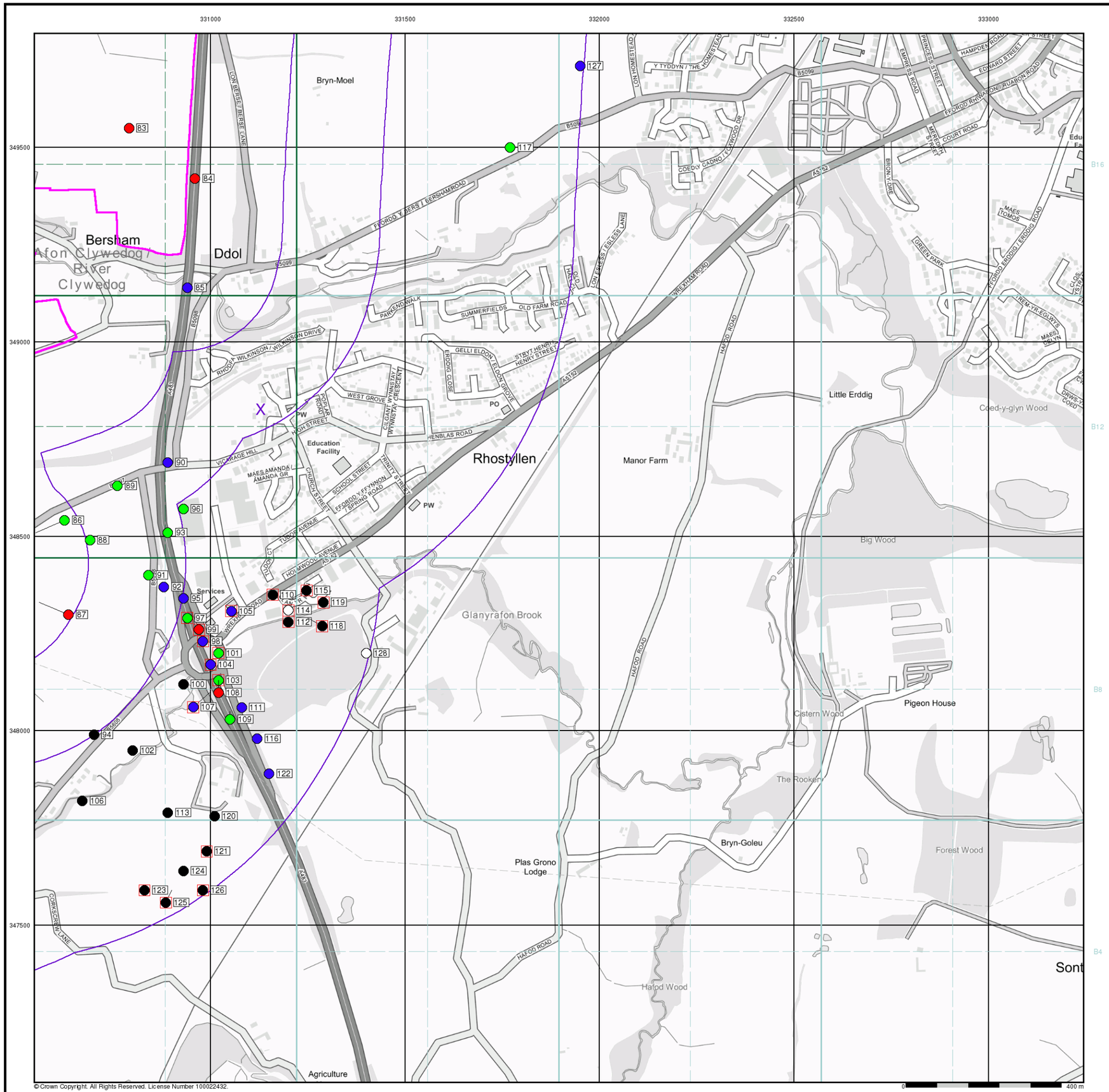

## Order Details

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## Site Details

Site at 330330, 350090


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## General

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

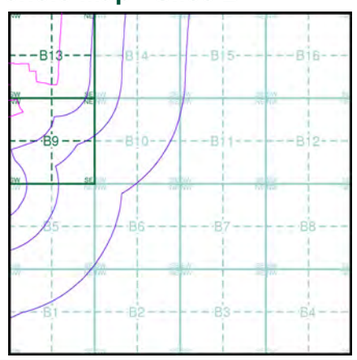
## Agency and Hydrological (Boreholes)

- 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 B



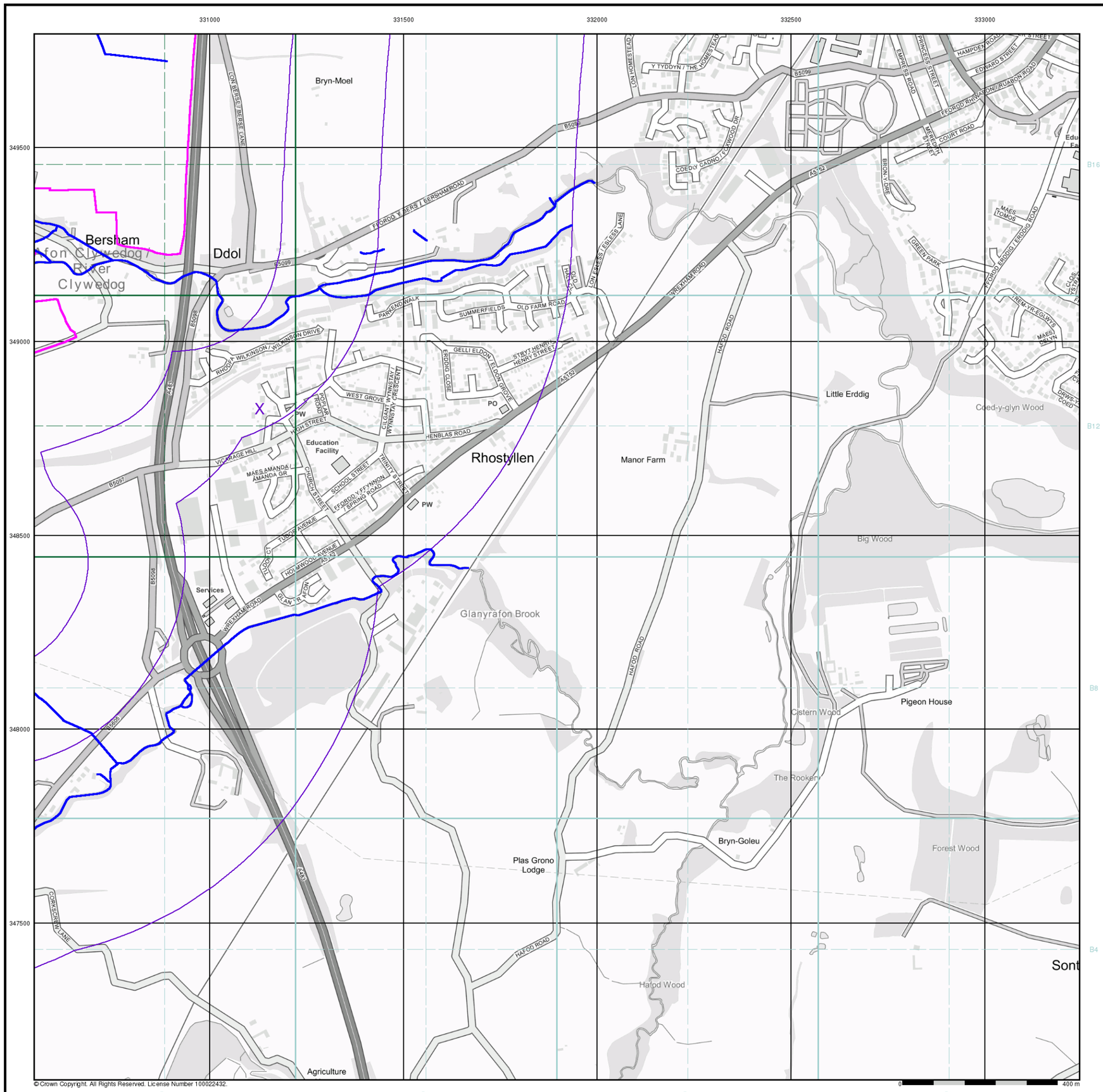

## Order Details

| | |
|---|---|
| Order Number: | 291151542_1_1 |
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## Site Details

Site at 330330, 350090

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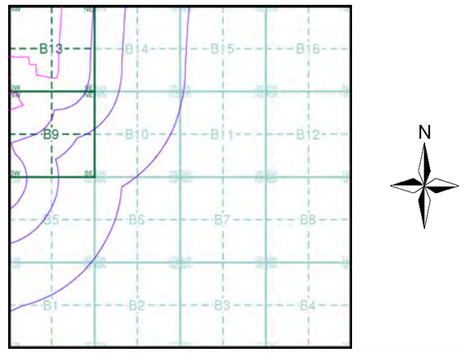
## General

- 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

## OS Water Network Map - Slice B




## Order Details

| | |
|---|---|
| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 331130, 348830 |
| Slice: | B |
| Site Area (Ha): | 145.64 |
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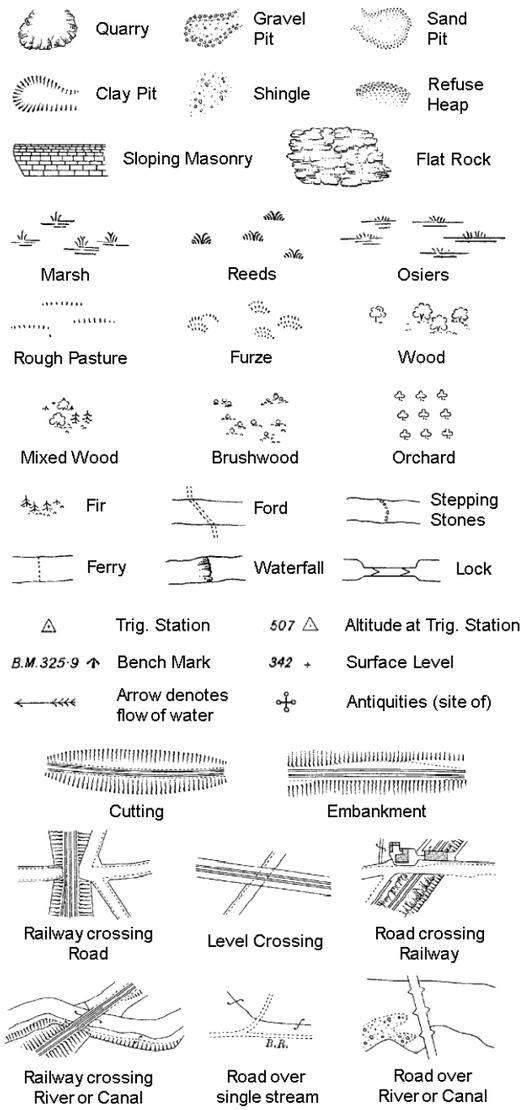
## Site Details

Site at 330330, 350090

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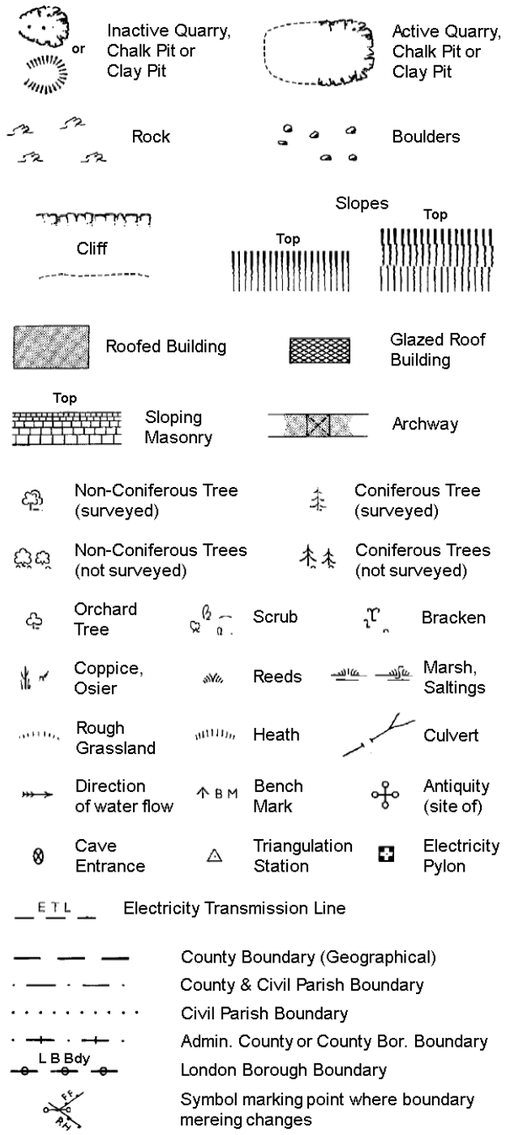
# Historical Mapping Legends

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



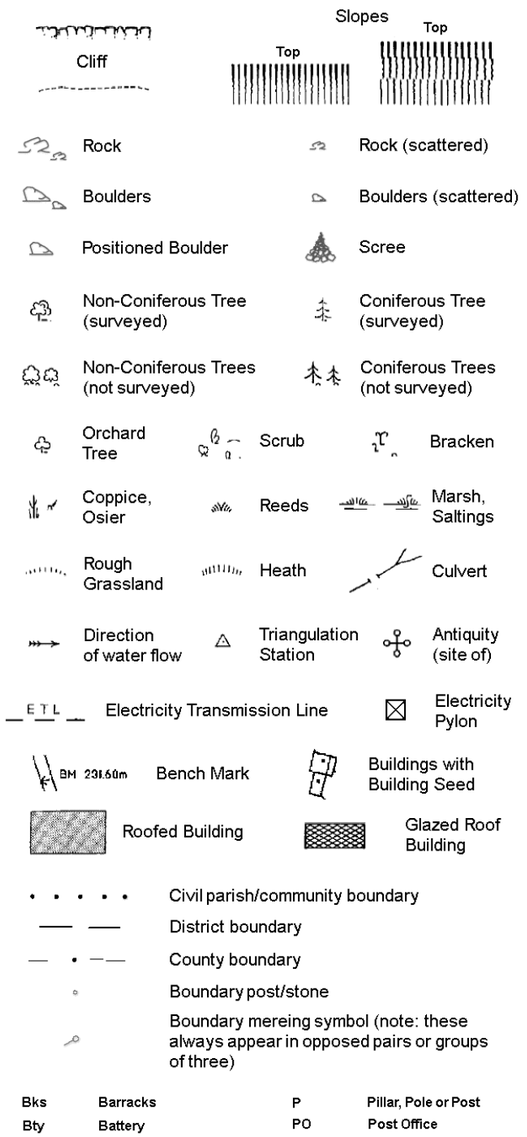

| | | | |
|---|---|---|---|
| B P B S | Boundary Post or Stone | P.C.B | Police Call Box |
| B.R. | Bridle Road | P | Pump |
| E.P | Electricity Pylon | S.P | Signal Post |
| F.B. | Foot Bridge | St. | Sluice |
| F.P. | Foot Path | Sp. | Spring |
| G.P | Guide Post or Board | T.C.B | Telephone Call Box |
| 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




| | | | |
|---|---|---|---|
| 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



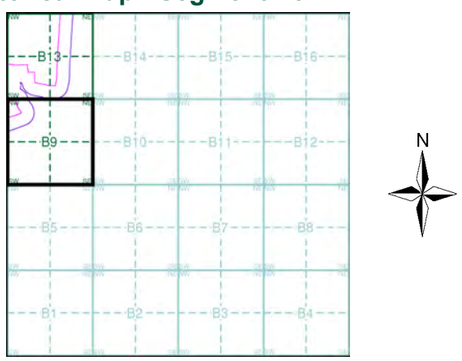

| | | | |
|---|---|---|---|
| Bks | Barracks | P | Pillar, Pole or Post |
| Bty | Battery | PO | Post Office |
| Cemy | Cemetery | PC | Public Convenience |
| Chy | Chimney | Pp | Pump |
| Cis | Cistern | Ppg Sta | Pumping Station |
| Dismtd Rly | Dismantled Railway | PW | Place of Worship |
| El Gen 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 |

rps

## Historical Mapping & Photography included:

| Mapping Type | Scale | Date | Pg |
|---|---|---|---|
| Denbighshire | 1:2,500 | 1872 | 2 |
| Denbighshire | 1:2,500 | 1899 | 3 |
| Denbighshire | 1:2,500 | 1912 | 4 |
| Ordnance Survey Plan | 1:2,500 | 1962 - 1967 | 5 |
| Ordnance Survey Plan | 1:2,500 | 1967 - 1977 | 6 |
| Additional SIMs | 1:2,500 | 1967 - 1989 | 7 |
| Ordnance Survey Plan | 1:2,500 | 1984 | 8 |
| Additional SIMs | 1:2,500 | 1984 - 1992 | 9 |
| Large-Scale National Grid Data | 1:2,500 | 1992 | 10 |
| Large-Scale National Grid Data | 1:2,500 | 1993 - 1994 | 11 |

## Historical Map - Segment B9



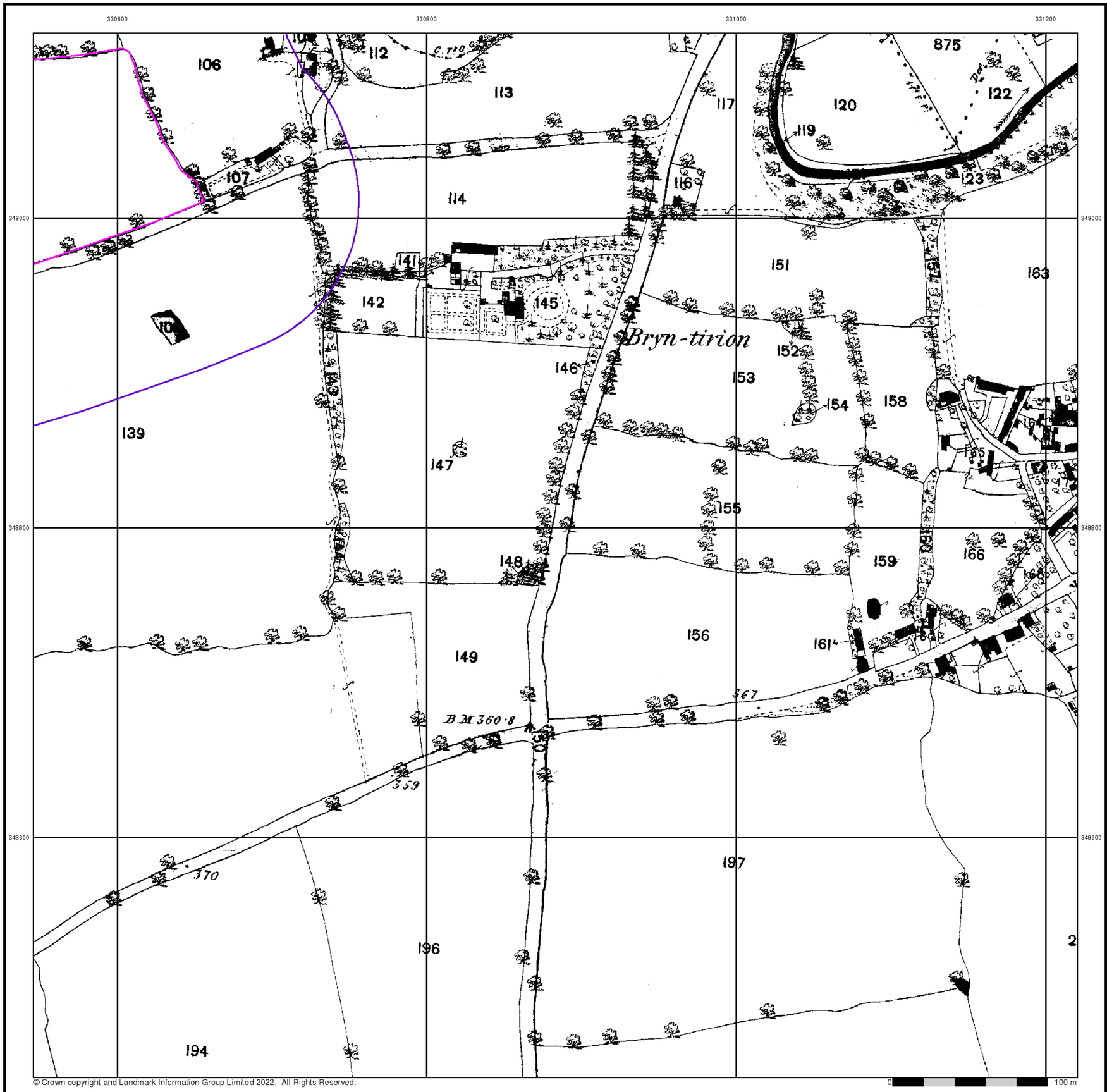

## Order Details

Order Number: 291151542_1_1
Customer Ref: JER8537
National Grid Reference: 331130, 348830
Slice: B
Site Area (Ha): 145.64
Search Buffer (m): 100

## Site Details

Site at 330330, 350090


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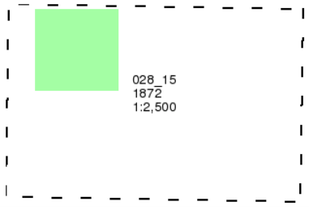
## Denbighshire

## Published 1872

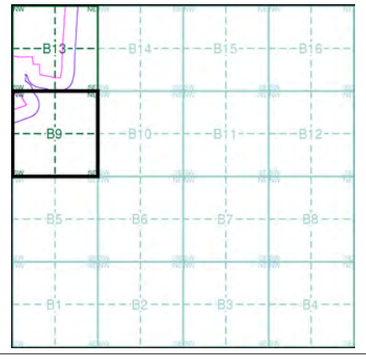
## Source map scale - 1:2,500

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 B9



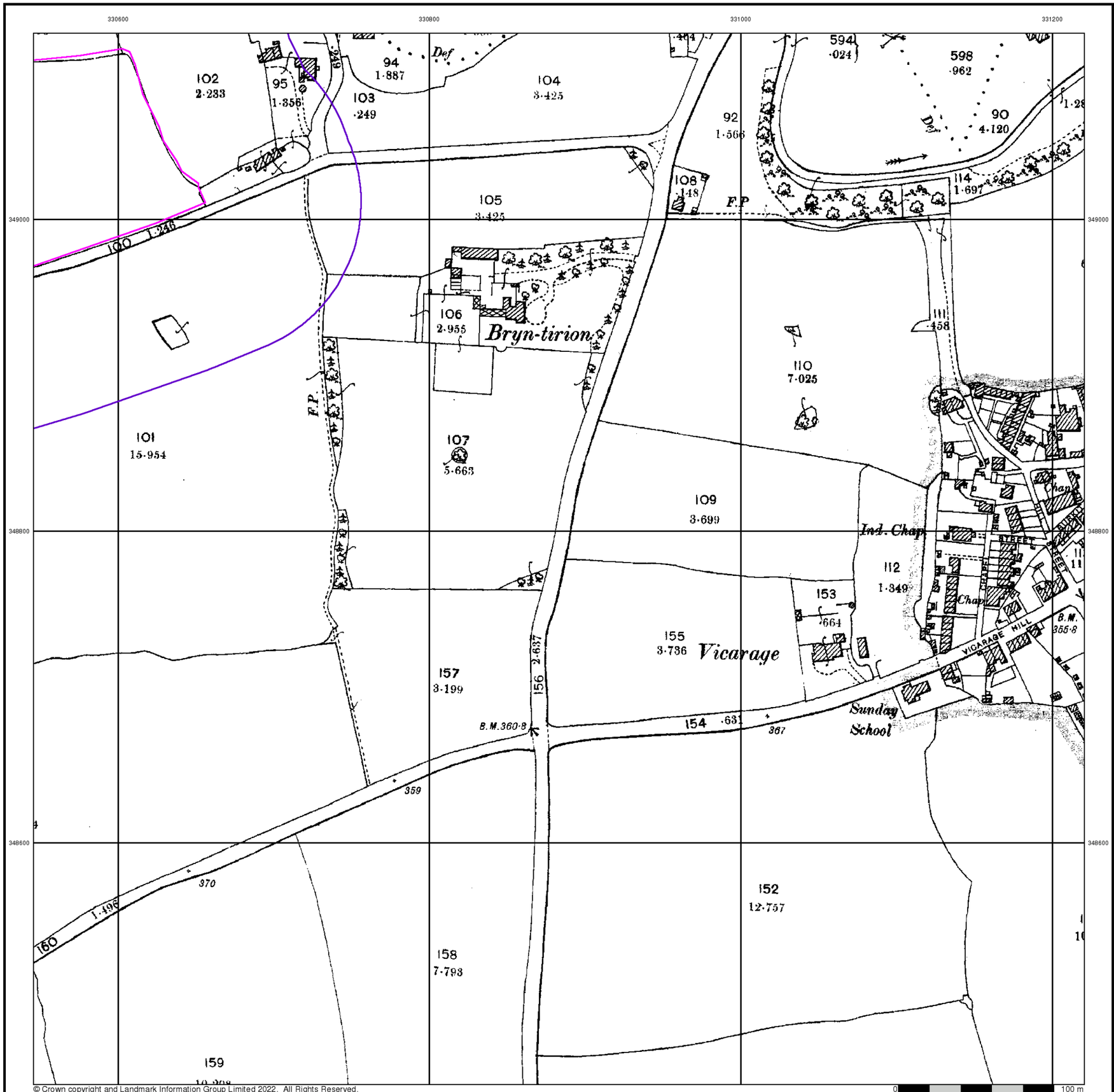

## Order Details

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| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 331130, 348830 |
| Slice: | B |
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## Site Details

Site at 330330, 350090

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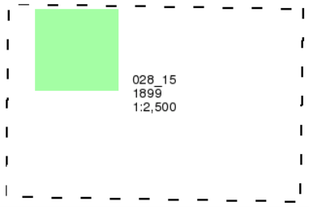
## Denbighshire

## Published 1899

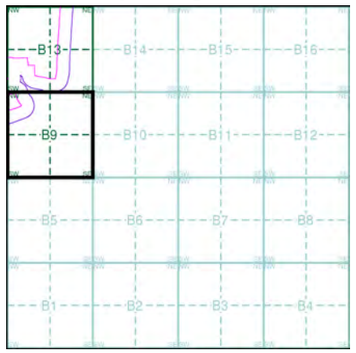
## Source map scale - 1:2,500

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 B9



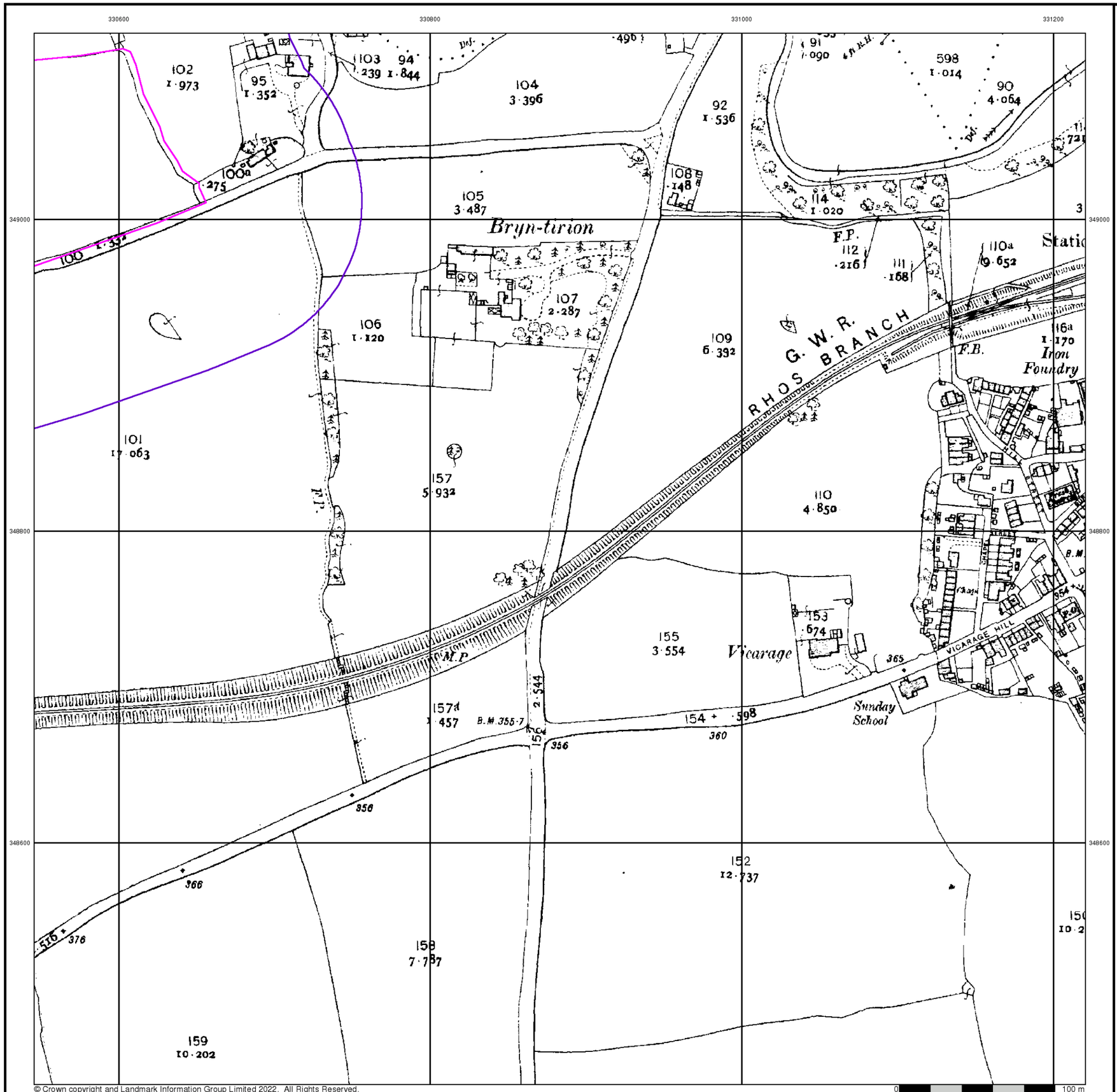

## Order Details

| | |
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Site at 330330, 350090

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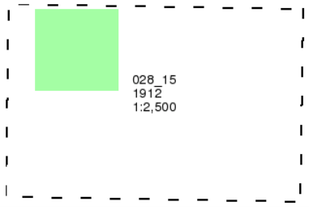

Denbighshire

**Published 1912**

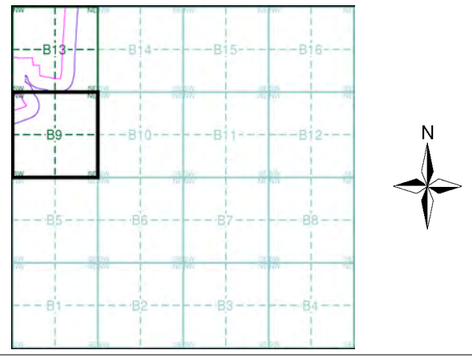
**Source map scale - 1:2,500**

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 B9



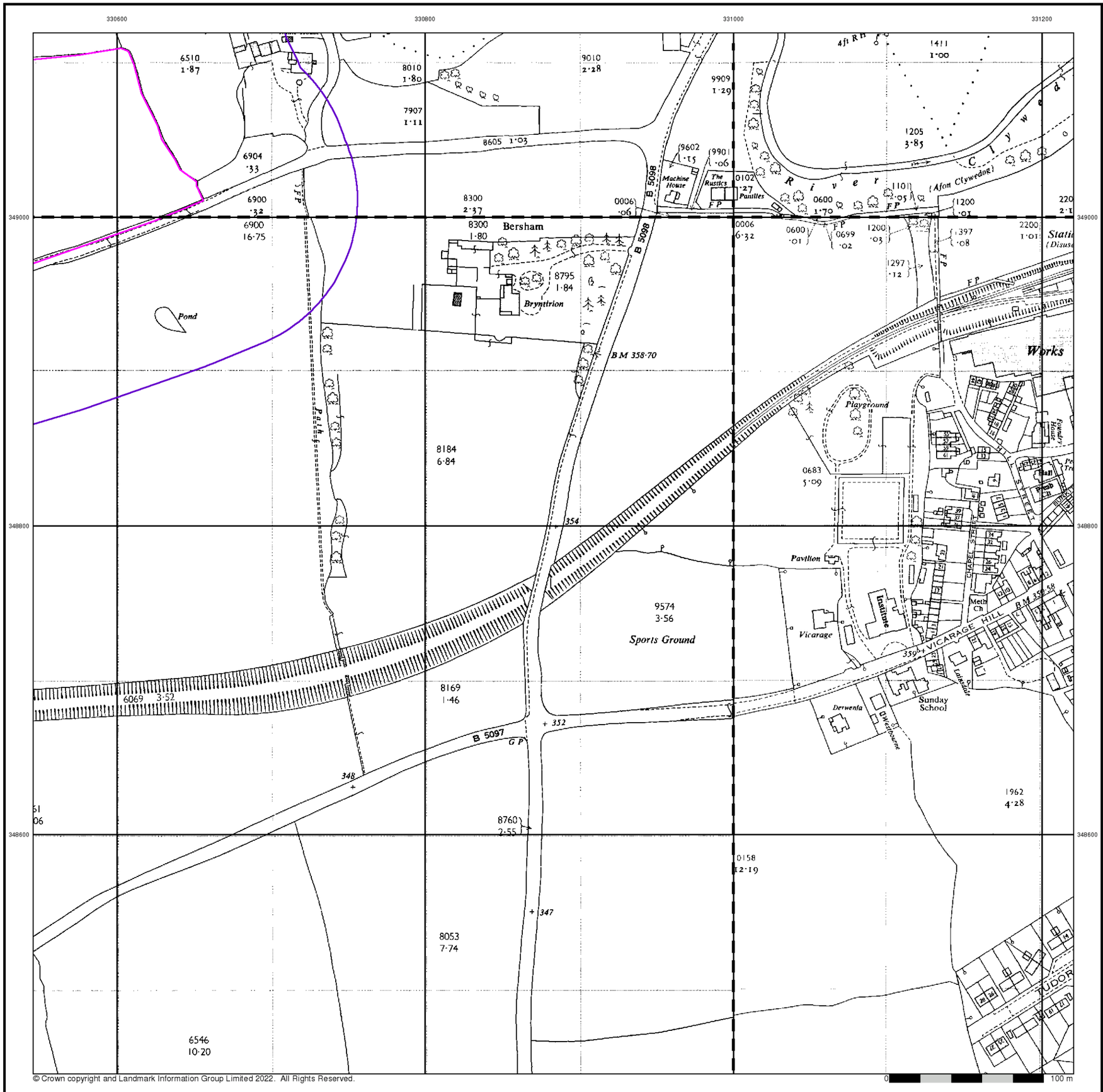

## Order Details

| | |
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## Site Details

Site at 330330, 350090

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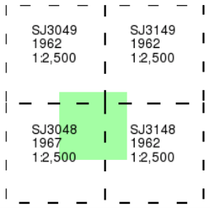
## Ordnance Survey Plan

## Published 1962 - 1967

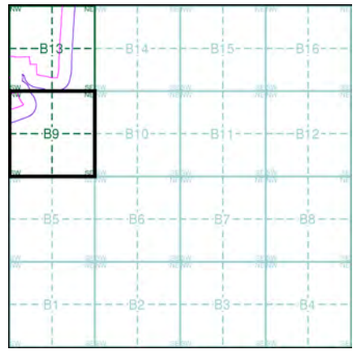
## Source map scale - 1:2,500

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## Map Name(s) and Date(s)




## Historical Map - Segment B9



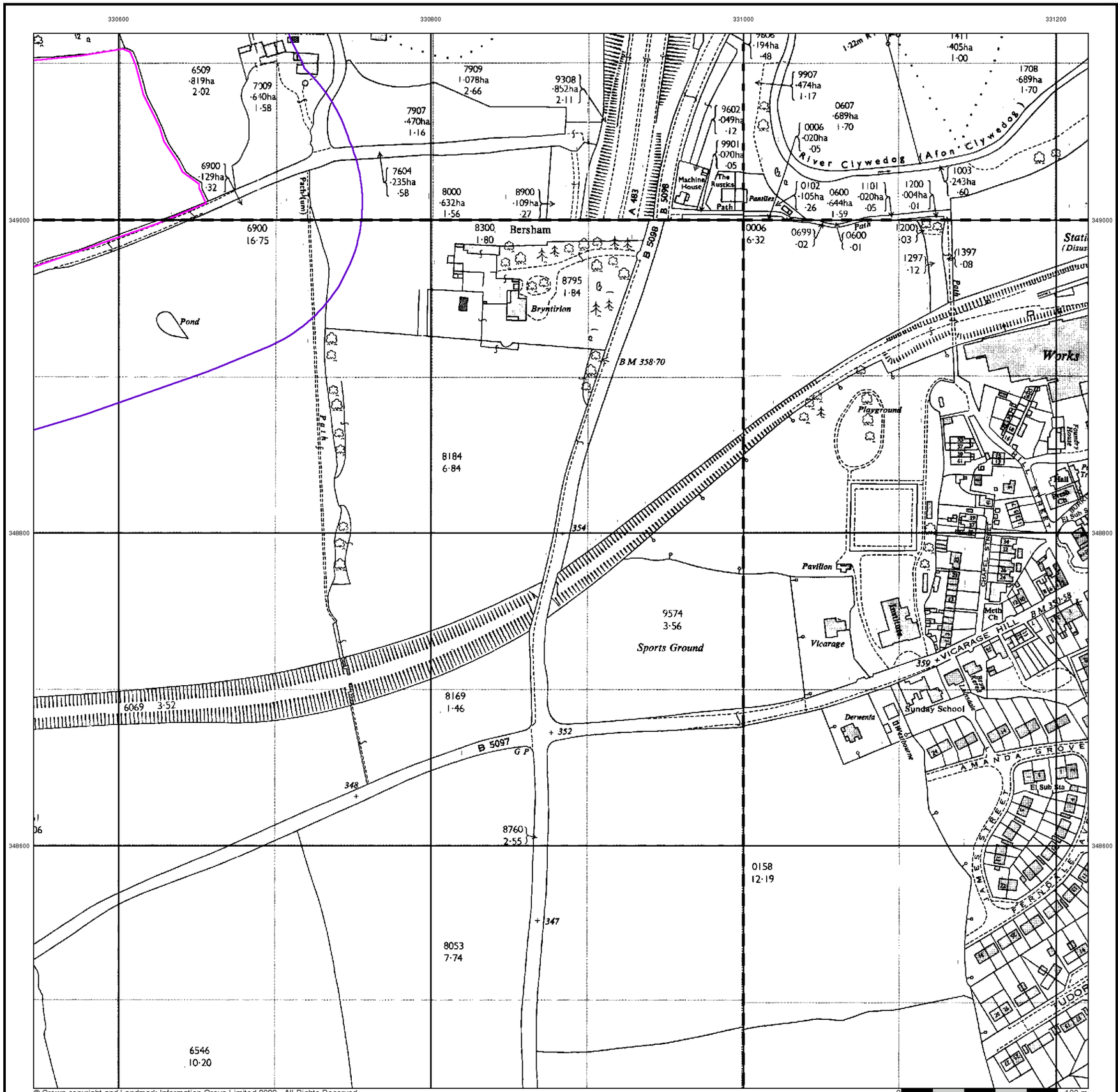

## Order Details

| | |
|---|---|
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Site at 330330, 350090

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# Ordnance Survey Plan

## Published 1967 - 1977

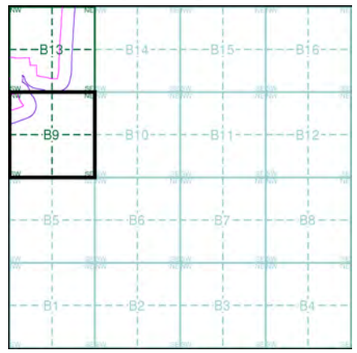
## Source map scale - 1:2,500

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)

| | |
|---|---|
| SJ3049 1977 1:2,500 | SJ3149 1977 1:2,500 |
| SJ3048 1967 1:2,500 | SJ3148 1967 1:2,500 |

## Historical Map - Segment B9




## Order Details

| | |
|---|---|
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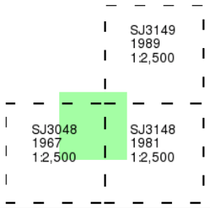

# Additional SIMs

## Published 1967 - 1989

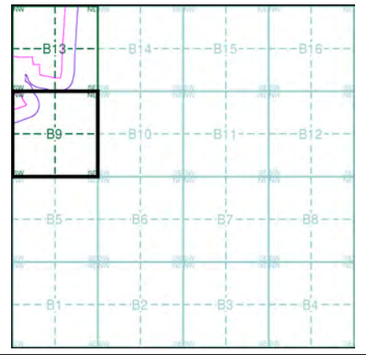
## Source map scale - 1:2,500

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 B9




## Order Details

| | |
|---|---|
| Order Number: | 291151542_1_1 |
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## Site Details

Site at 330330, 350090

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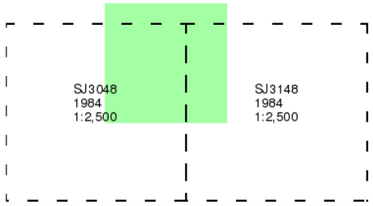
## Ordnance Survey Plan

**Published 1984**

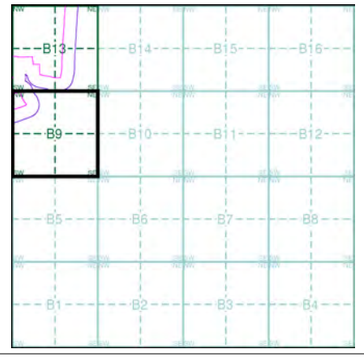
**Source map scale - 1:2,500**

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 B9



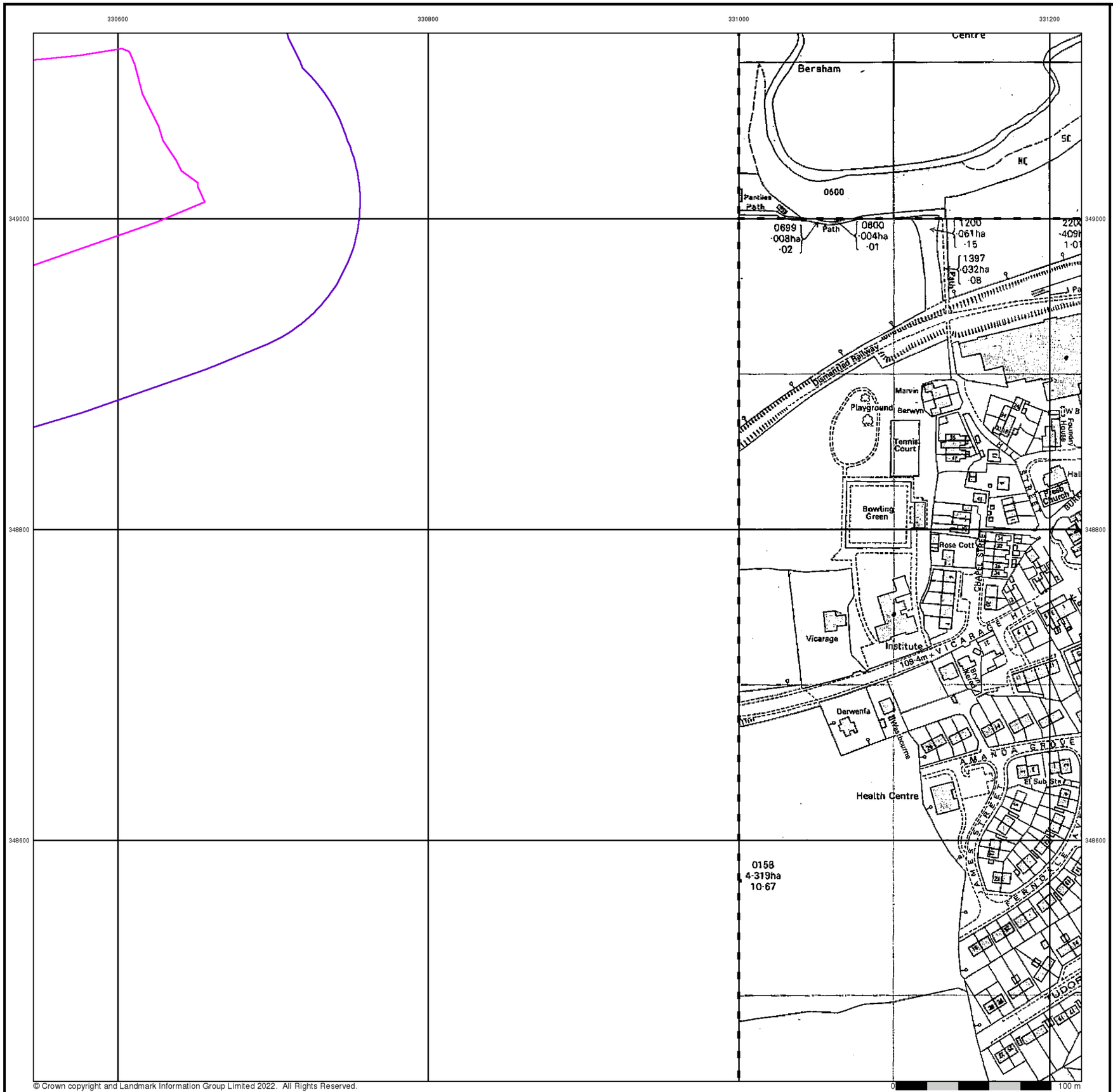

## Order Details

| | |
|---|---|
| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 331130, 348830 |
| Slice: | B |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 100 |

## Site Details

Site at 330330, 350090

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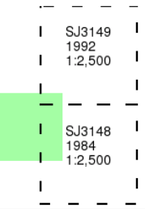

# Additional SIMs

## Published 1984 - 1992

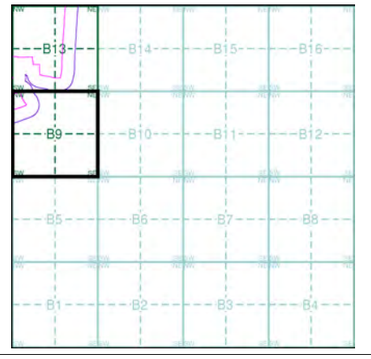
## Source map scale - 1:2,500

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 B9



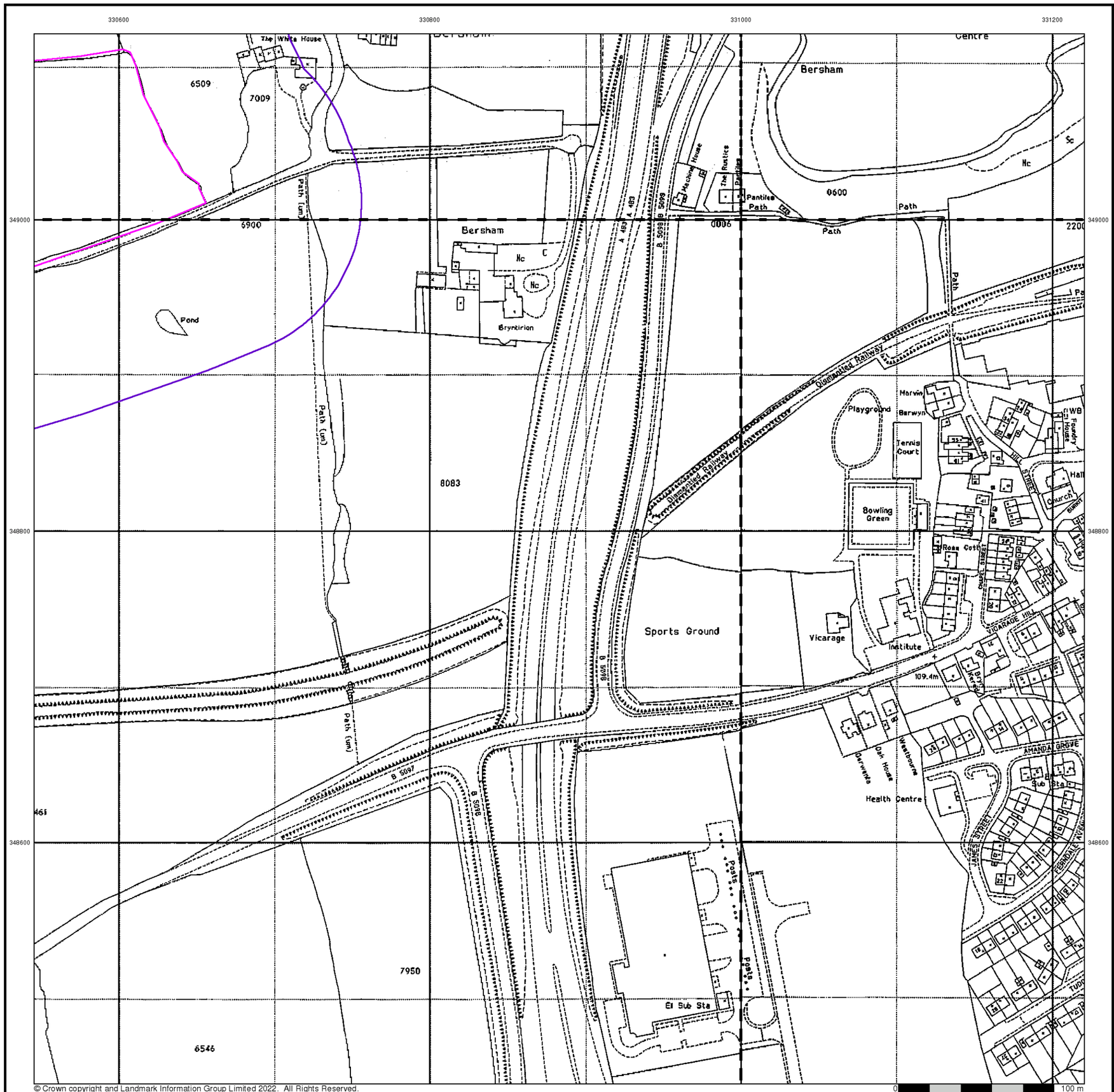

## Order Details

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| Customer Ref: | JER8537 |
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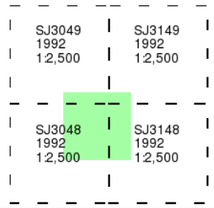

# Large-Scale National Grid Data

## Published 1992

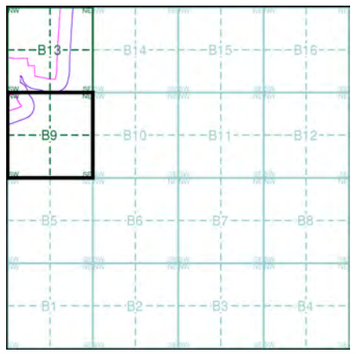
## Source map scale - 1:2,500

'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)




## Historical Map - Segment B9




## Order Details

| | |
|---|---|
| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 331130, 348830 |
| Slice: | B |
| Site Area (Ha): | 145.64 |
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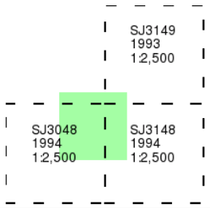
## Large-Scale National Grid Data

**Published 1993 - 1994**

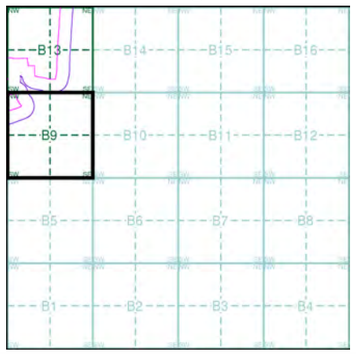
**Source map scale - 1:2,500**

'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)




## Historical Map - Segment B9




## Order Details

| | |
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| Order Number: | 291151542_1_1 |
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| National Grid Reference: | 331130, 348830 |
| Slice: | B |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 100 |

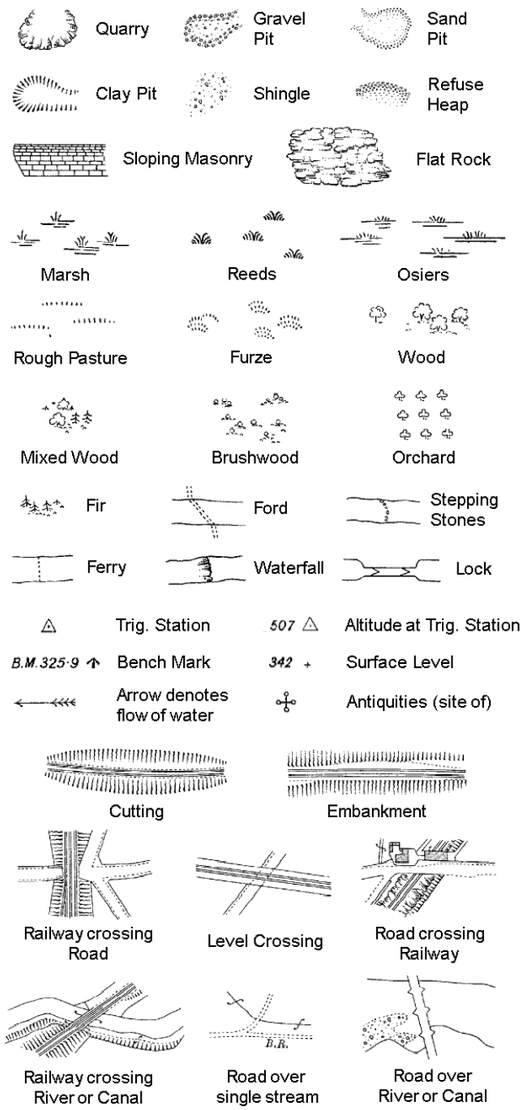
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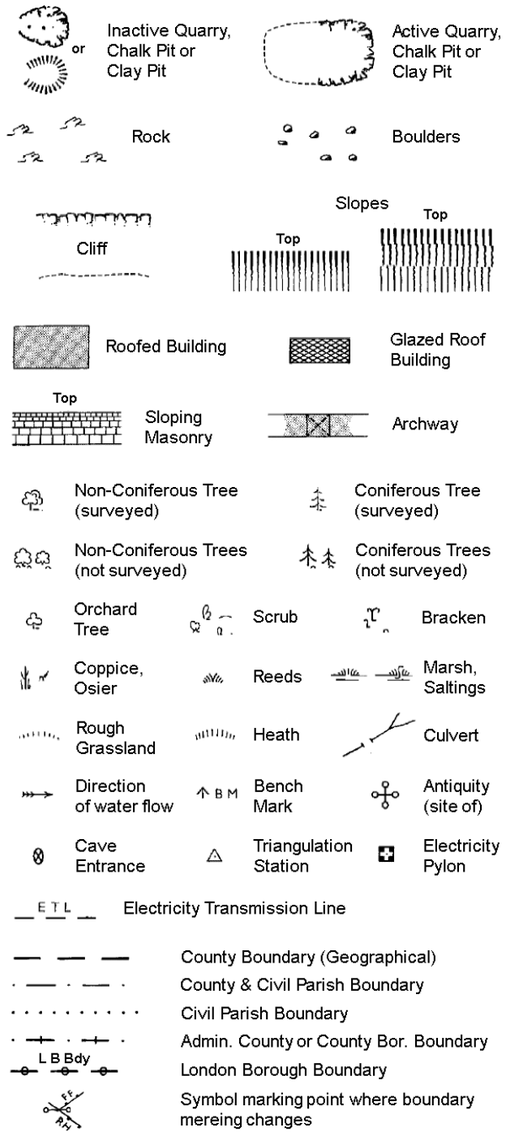
# Historical Mapping Legends

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



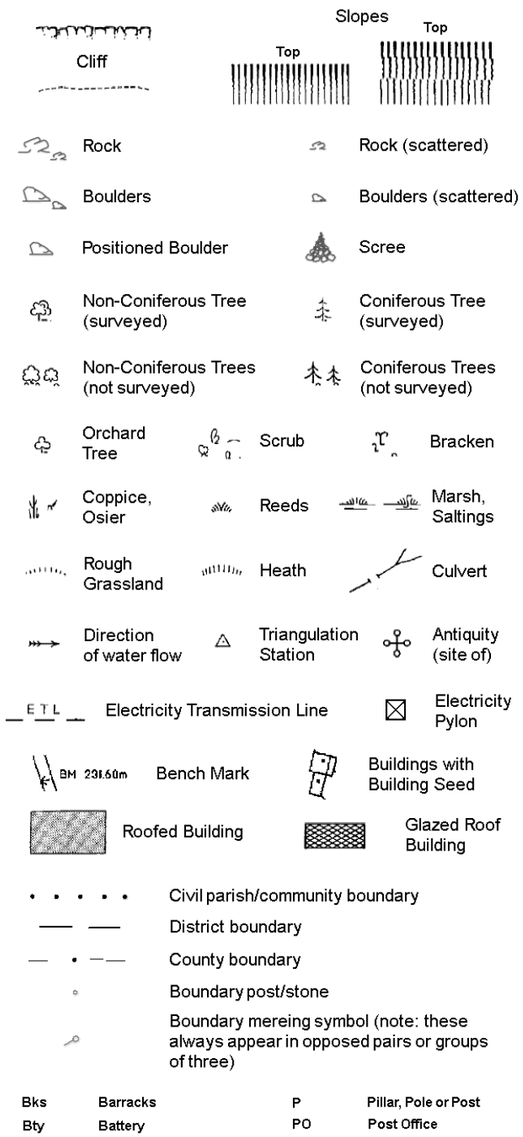

| | | | |
|---|---|---|---|
| B P B S | Boundary Post or Stone | P.C.B | Police Call Box |
| B.R. | Bridle Road | P | Pump |
| E.P | Electricity Pylon | S.P | Signal Post |
| F.B. | Foot Bridge | St. | Sluice |
| F.P. | Foot Path | Sp. | Spring |
| G.P | Guide Post or Board | T.C.B | Telephone Call Box |
| 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




| | | | |
|---|---|---|---|
| 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



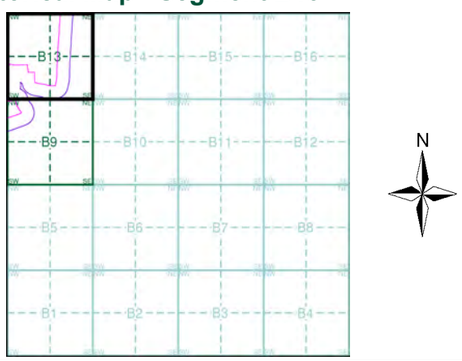

| | | | |
|---|---|---|---|
| Bks | Barracks | P | Pillar, Pole or Post |
| Bty | Battery | PO | Post Office |
| Cemy | Cemetery | PC | Public Convenience |
| Chy | Chimney | Pp | Pump |
| Cis | Cistern | Ppg Sta | Pumping Station |
| Dismtd Rly | Dismantled Railway | PW | Place of Worship |
| El Gen 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 |

rps

## Historical Mapping & Photography included:

| Mapping Type | Scale | Date | Pg |
|---|---|---|---|
| Denbighshire | 1:2,500 | 1872 | 2 |
| Denbighshire | 1:2,500 | 1899 | 3 |
| Denbighshire | 1:2,500 | 1912 | 4 |
| Ordnance Survey Plan | 1:2,500 | 1962 | 5 |
| Ordnance Survey Plan | 1:2,500 | 1977 | 6 |
| Additional SIMs | 1:2,500 | 1989 | 7 |
| Large-Scale National Grid Data | 1:2,500 | 1992 | 8 |
| Additional SIMs | 1:2,500 | 1992 | 9 |
| Large-Scale National Grid Data | 1:2,500 | 1993 | 10 |

## Historical Map - Segment B13



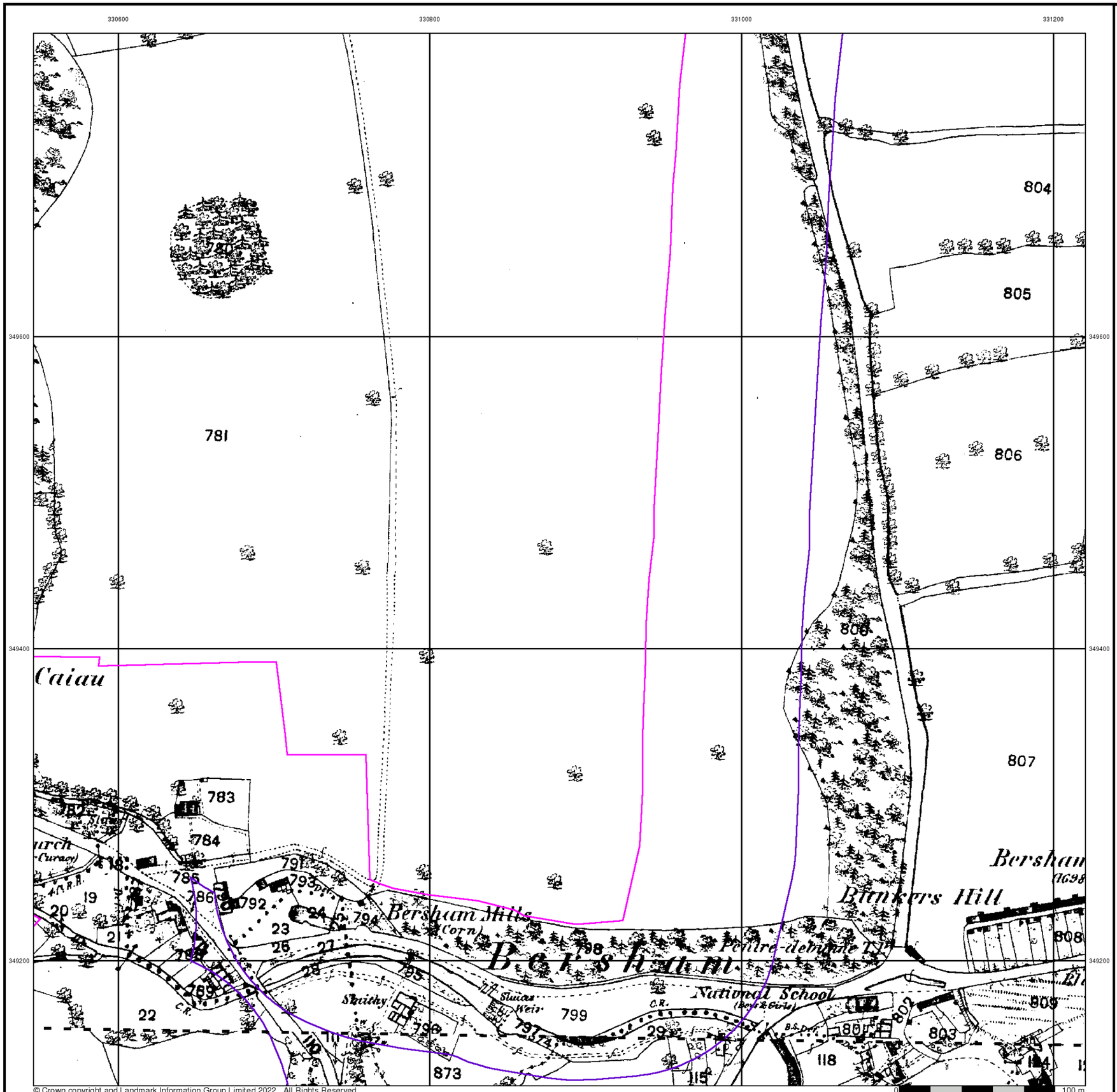

## Order Details

Order Number: 291151542_1_1
Customer Ref: JER8537
National Grid Reference: 331130, 348830
Slice: B
Site Area (Ha): 145.64
Search Buffer (m): 100

## Site Details

Site at 330330, 350090


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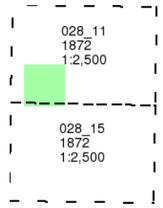
## Denbighshire

## Published 1872

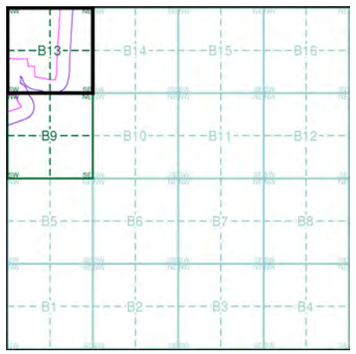
## Source map scale - 1:2,500

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 B13



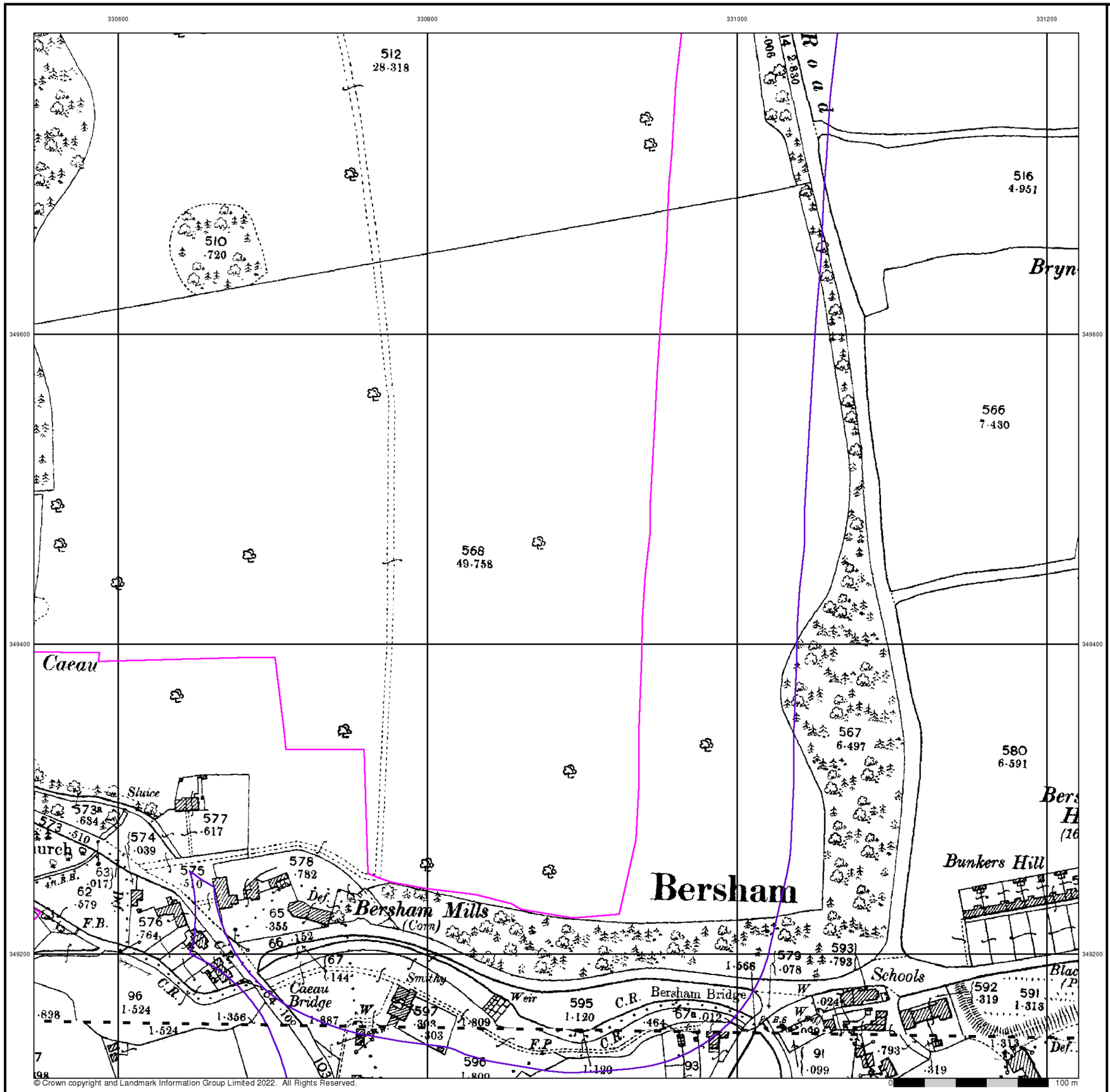

## Order Details

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|---|---|
| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 331130, 348830 |
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| Site Area (Ha): | 145.64 |
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## Site Details

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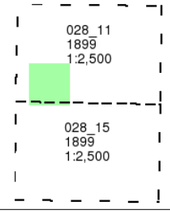
## Denbighshire

## Published 1899

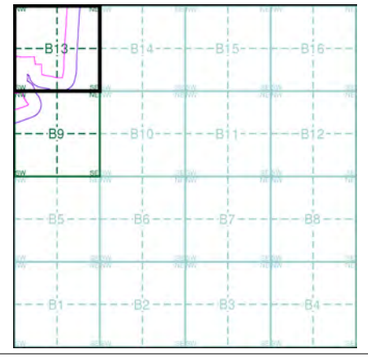
## Source map scale - 1:2,500

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 B13



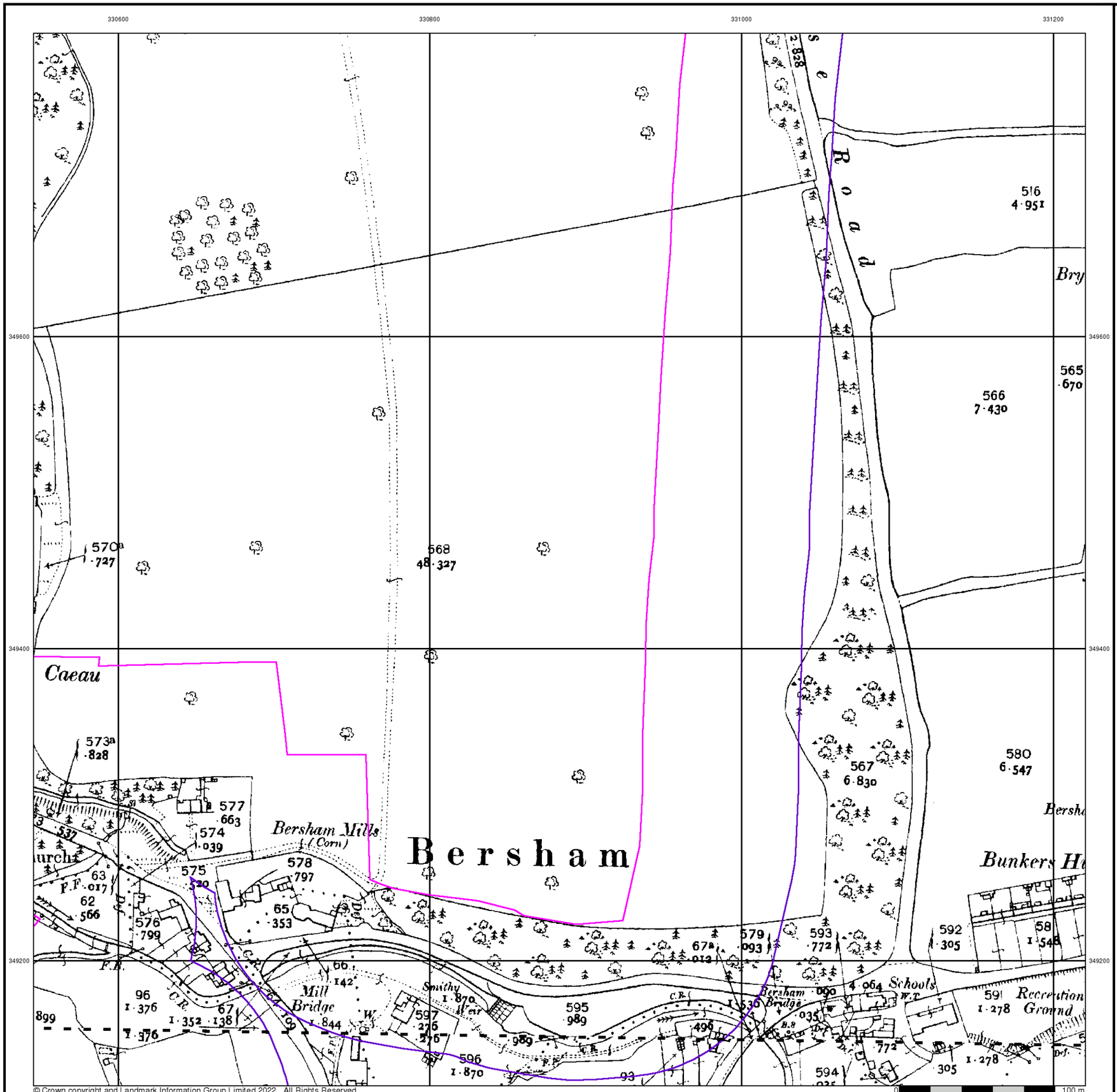

## Order Details

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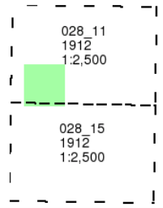
## Denbighshire

## Published 1912

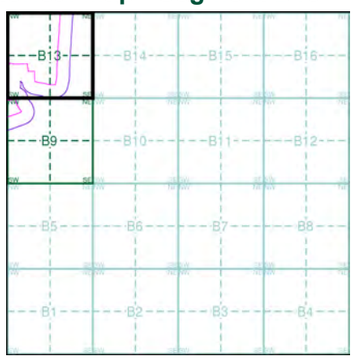
## Source map scale - 1:2,500

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## Map Name(s) and Date(s)




## Historical Map - Segment B13



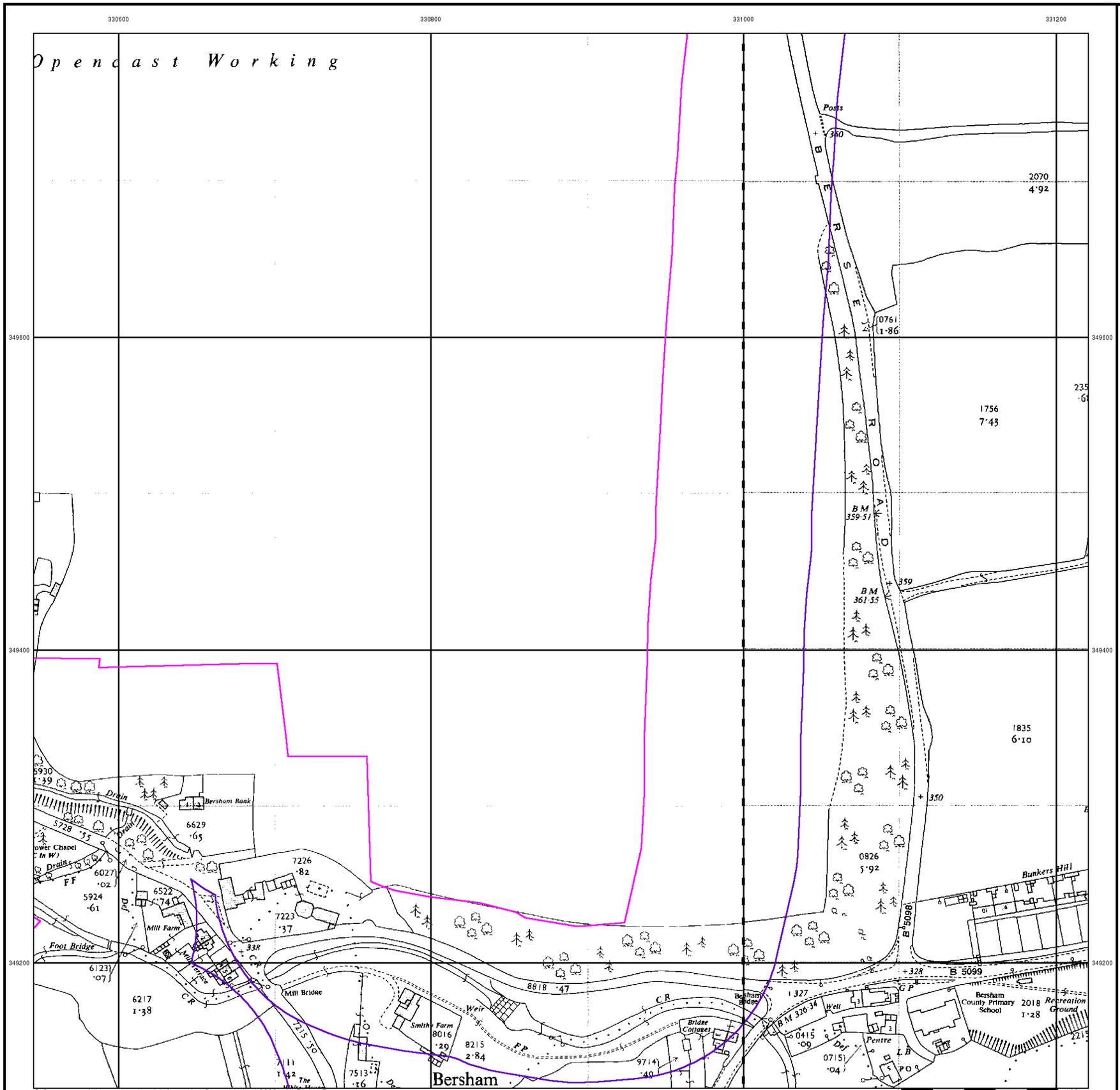

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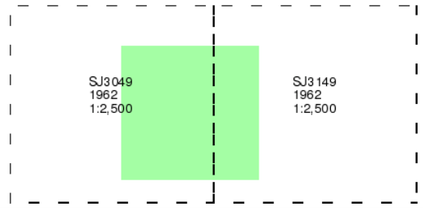
## Ordnance Survey Plan

## Published 1962

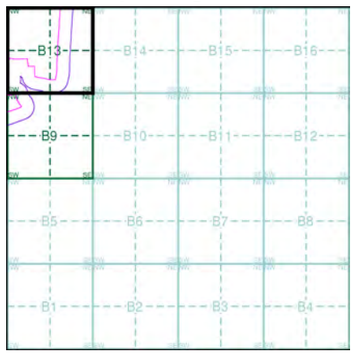
## Source map scale - 1:2,500

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## Map Name(s) and Date(s)




## Historical Map - Segment B13



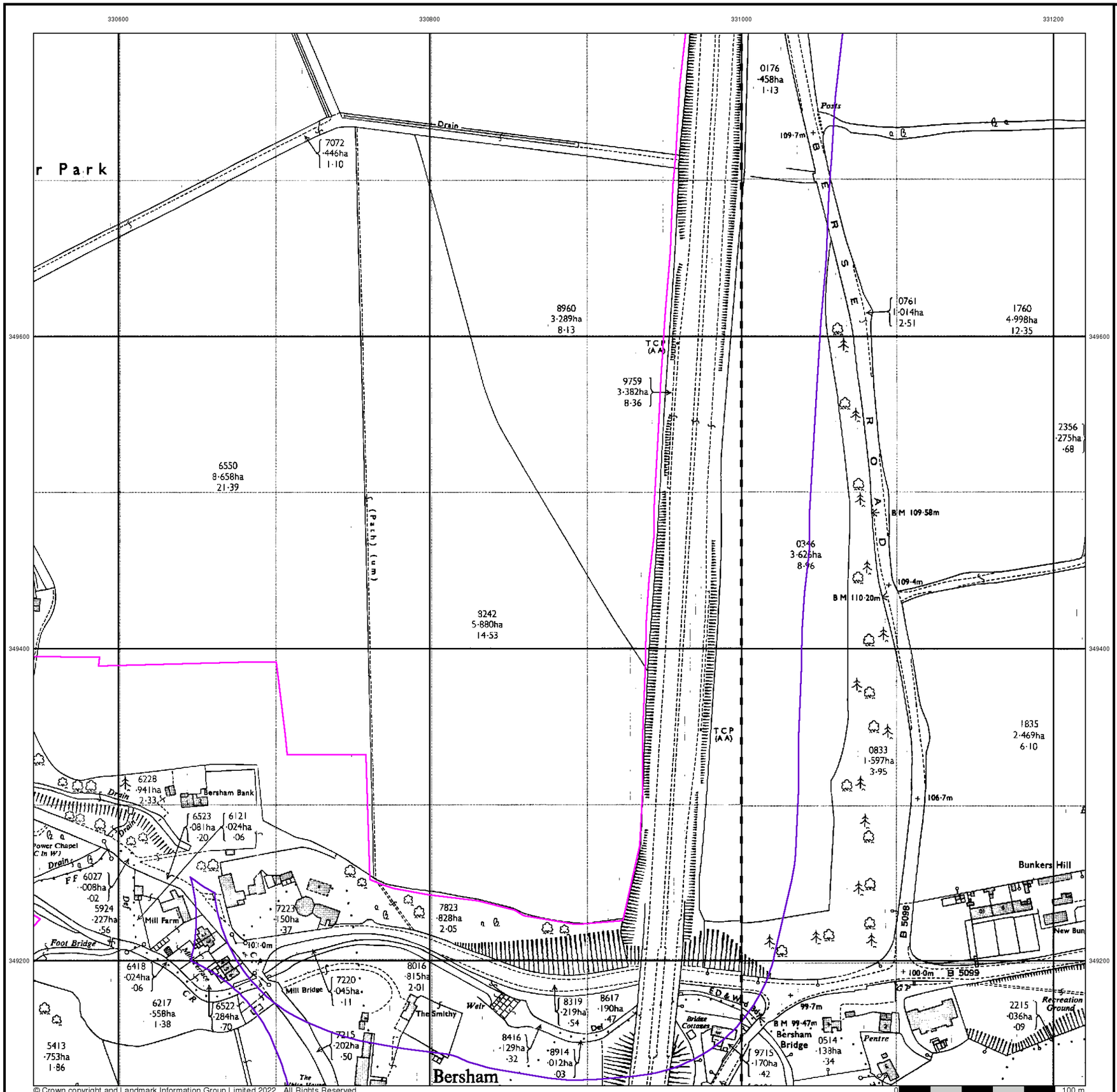

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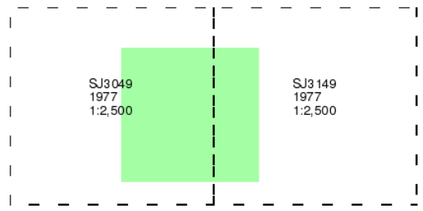
## Ordnance Survey Plan

## Published 1977

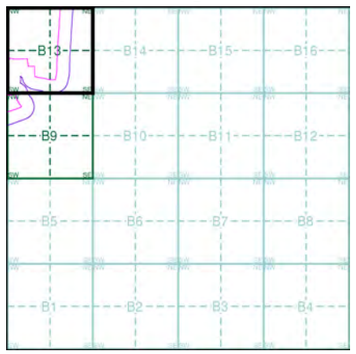
## Source map scale - 1:2,500

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## Map Name(s) and Date(s)




## Historical Map - Segment B13



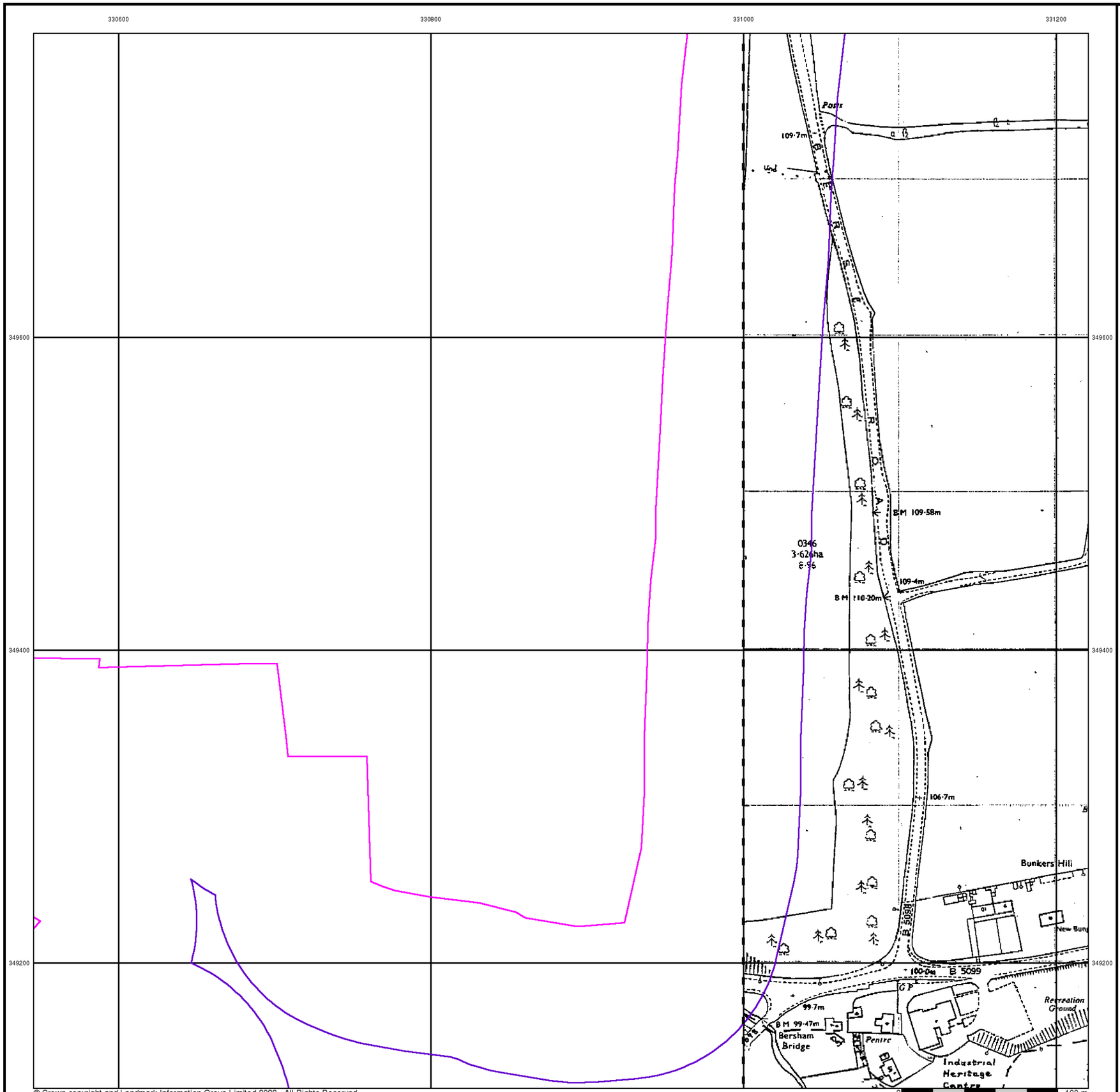

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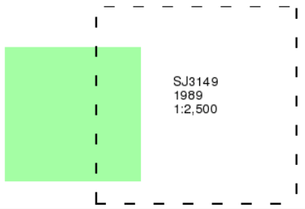
## Additional SIMs

**Published 1989**

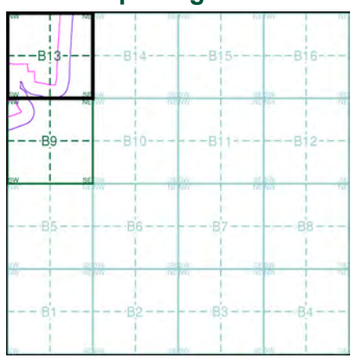
**Source map scale - 1:2,500**

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 B13



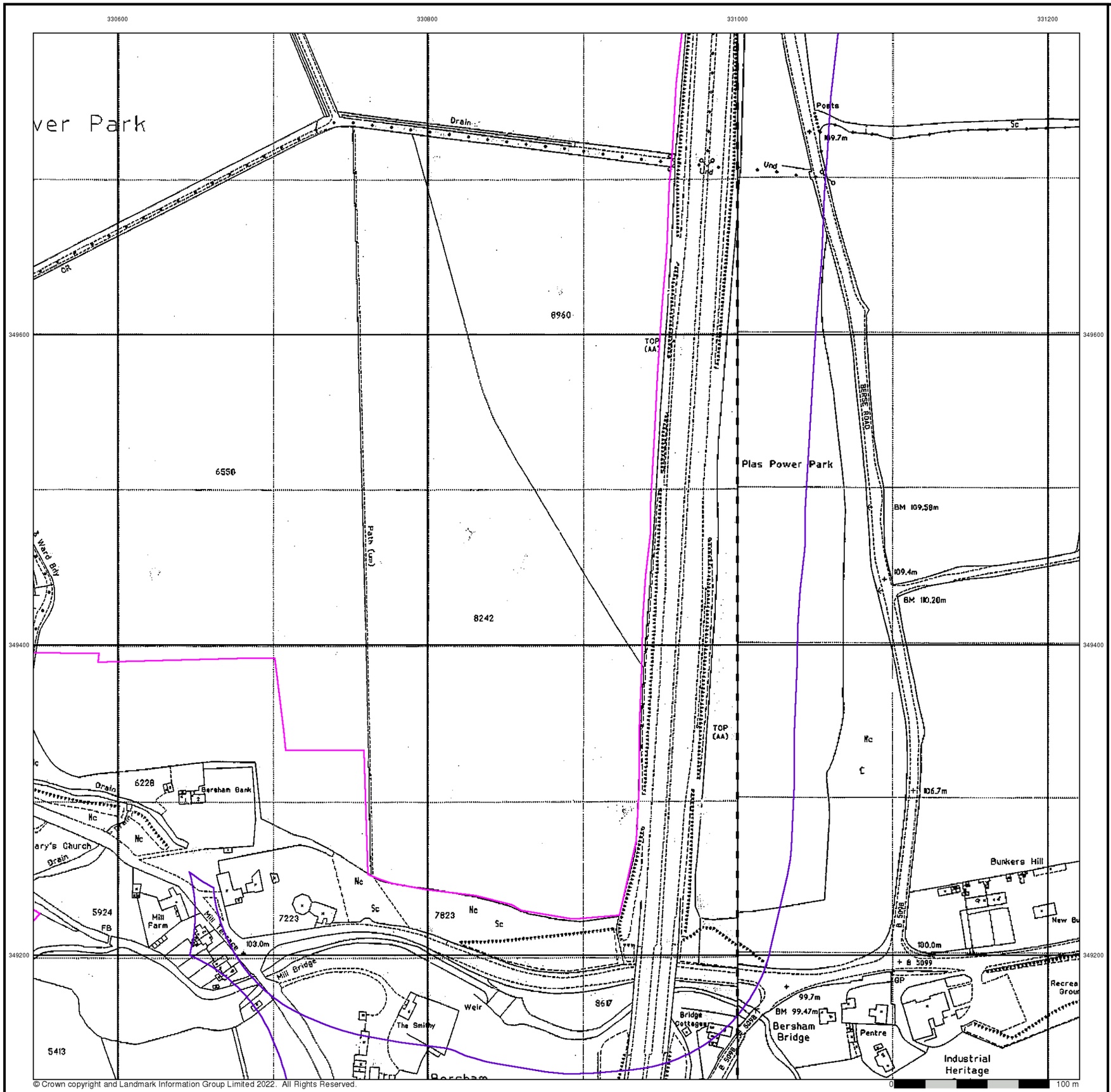

## Order Details

| | |
|---|---|
| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 331130, 348830 |
| Slice: | B |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 100 |

## Site Details

Site at 330330, 350090

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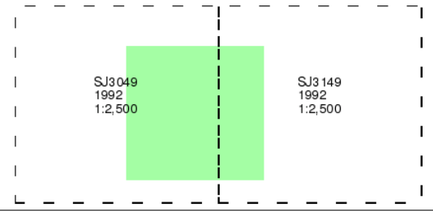
## Large-Scale National Grid Data

**Published 1992**

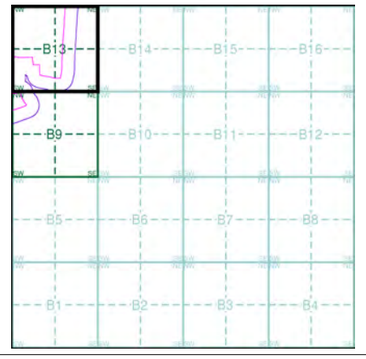
**Source map scale - 1:2,500**

'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)




## Historical Map - Segment B13



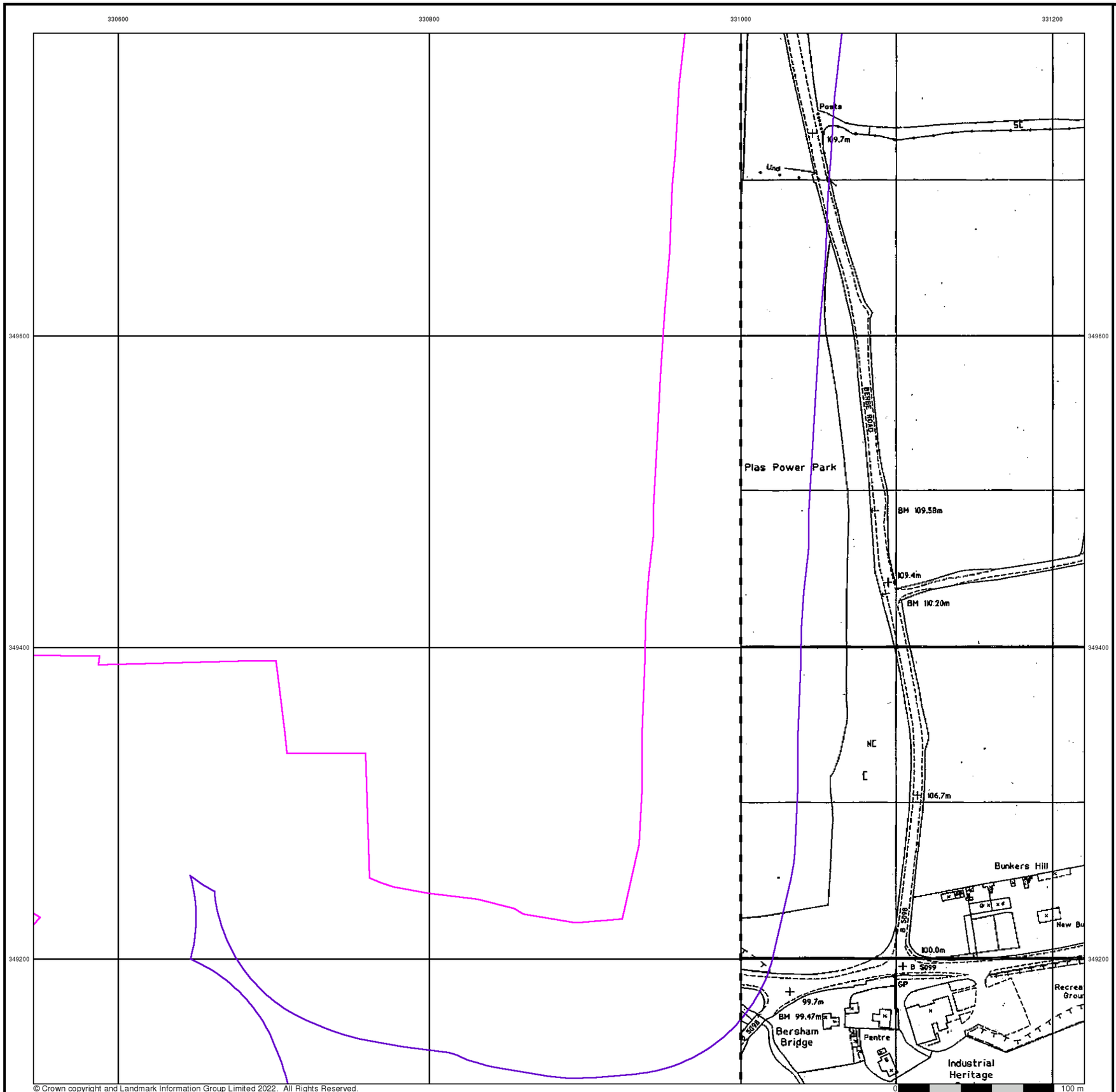

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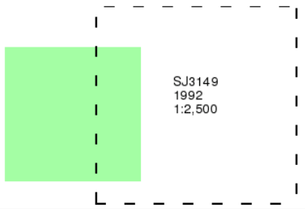
## Additional SIMs

**Published 1992**

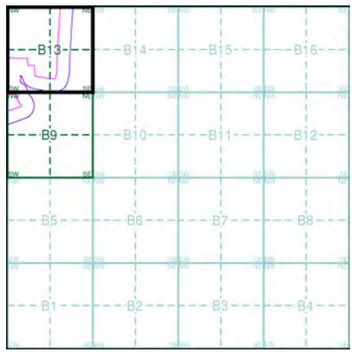
**Source map scale - 1:2,500**

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## Map Name(s) and Date(s)




## Historical Map - Segment B13



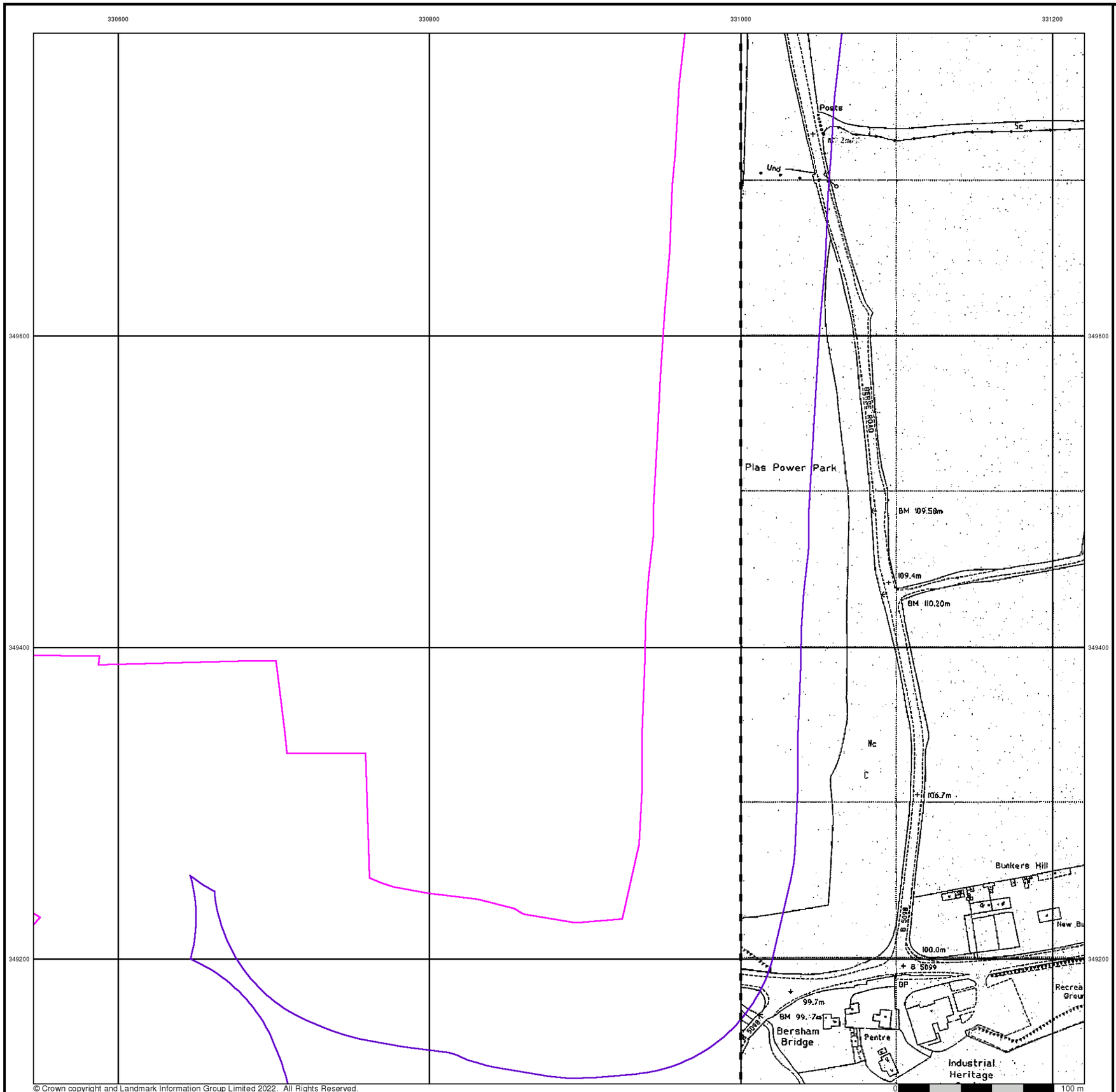

## Order Details

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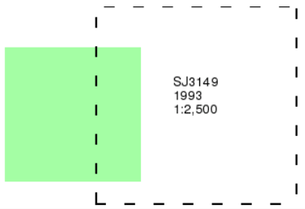
## Large-Scale National Grid Data

**Published 1993**

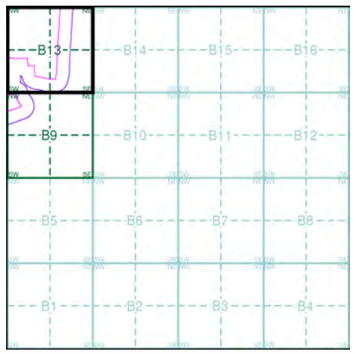
**Source map scale - 1:2,500**

'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)




## Historical Map - Segment B13



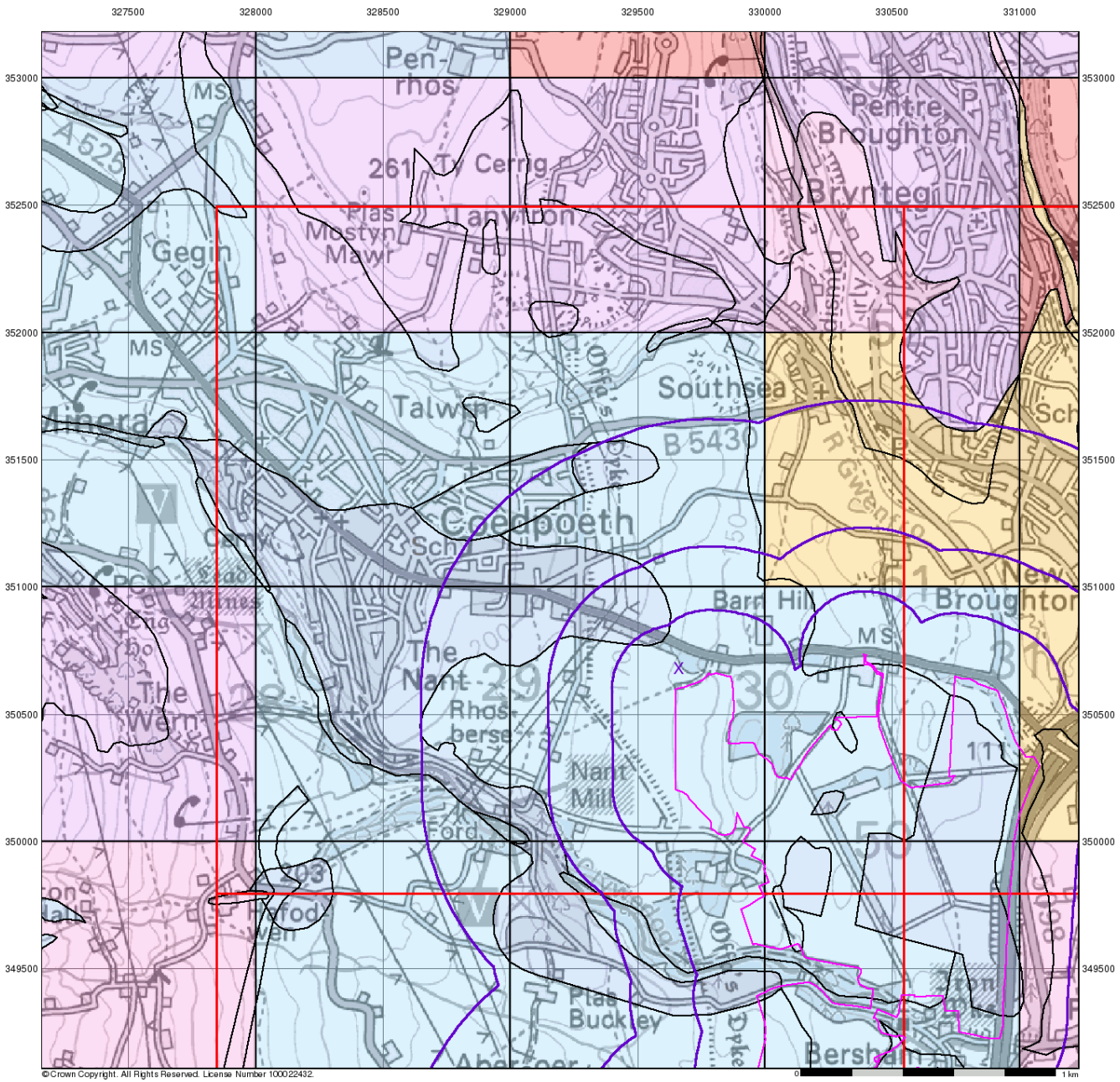

## Order Details

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| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 331130, 348830 |
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## Site Details

Site at 330330, 350090

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# Groundwater Vulnerability

## General

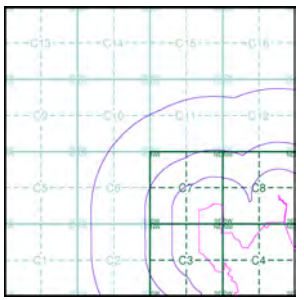
Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

## 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 C



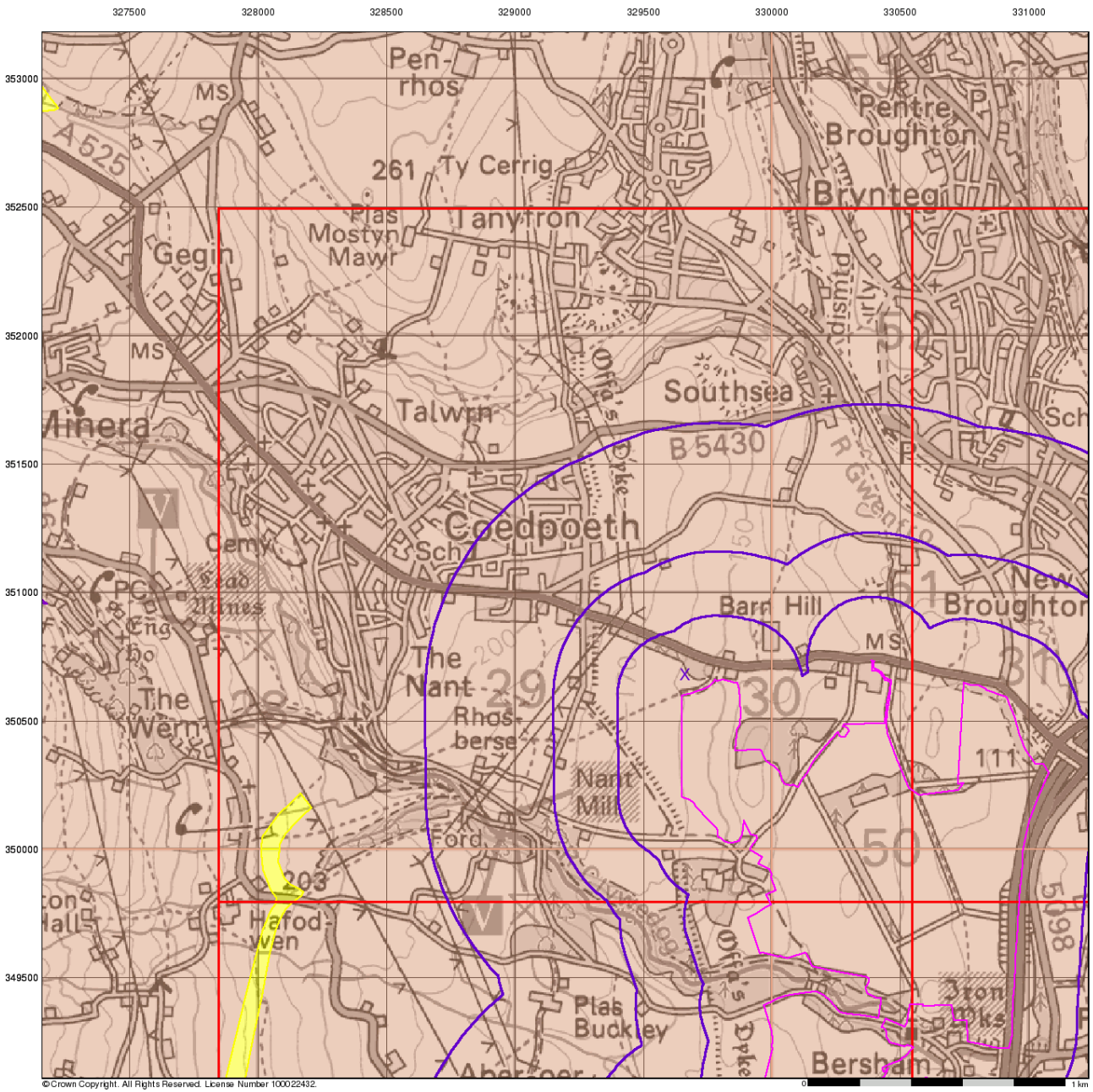

## Order Details

| | |
|---|---|
| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 329660, 350680 |
| Slice: | C |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 1000 |

## Site Details

Site at 330330, 350090

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# Bedrock Aquifer Designation

## General

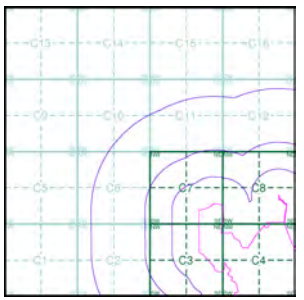
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

## 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 C



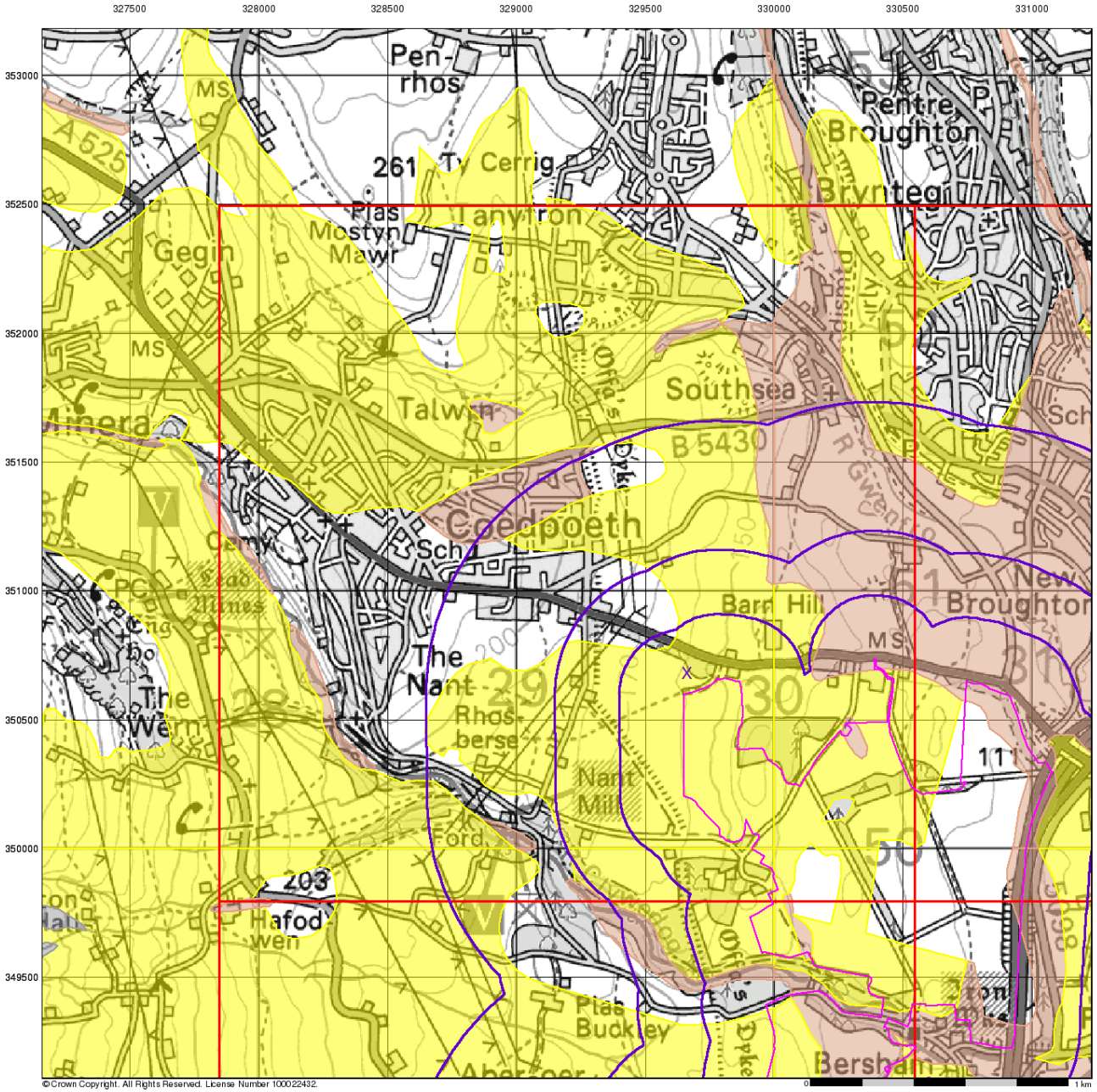

## Order Details

| | |
|---|---|
| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 329660, 350680 |
| Slice: | C |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 1000 |

## Site Details

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# Superficial Aquifer Designation

## General

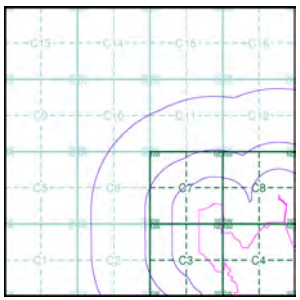
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

## 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 C



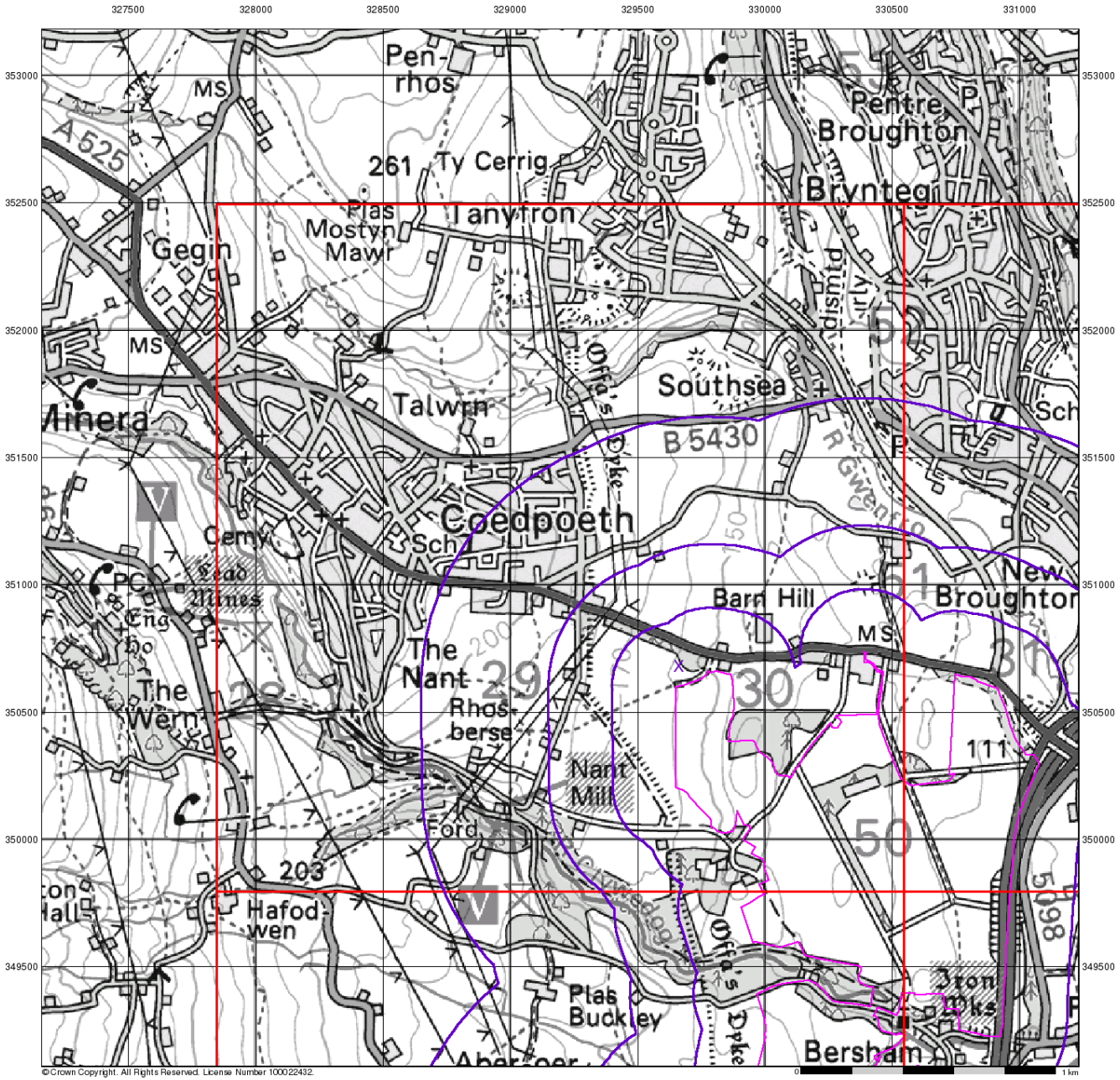

## Order Details

| | |
|---|---|
| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 329660, 350680 |
| Slice: | C |
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## Site Details

Site at 330330, 350090

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# Source Protection Zones

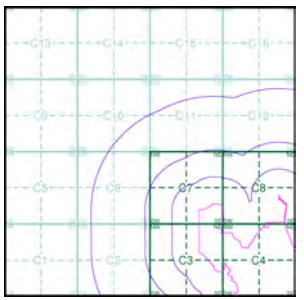
## General

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 C



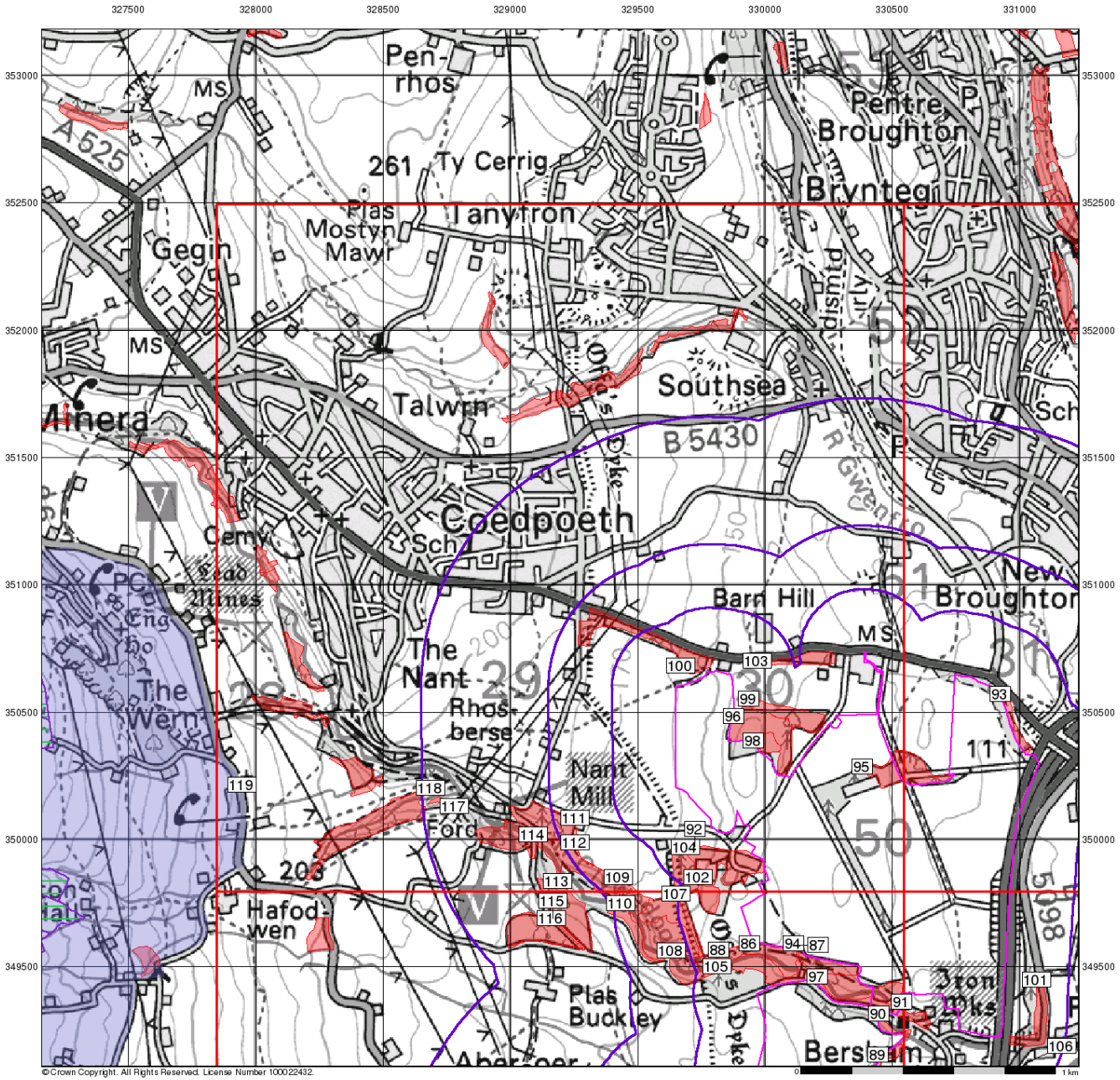

## Order Details

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|---|---|
| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
| National Grid Reference: | 329660, 350680 |
| Slice: | C |
| Site Area (Ha): | 145.64 |
| Search Buffer (m): | 1000 |

## Site Details

Site at 330330, 350090

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# Sensitive Land Uses

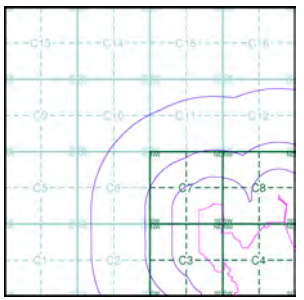
## General

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 C



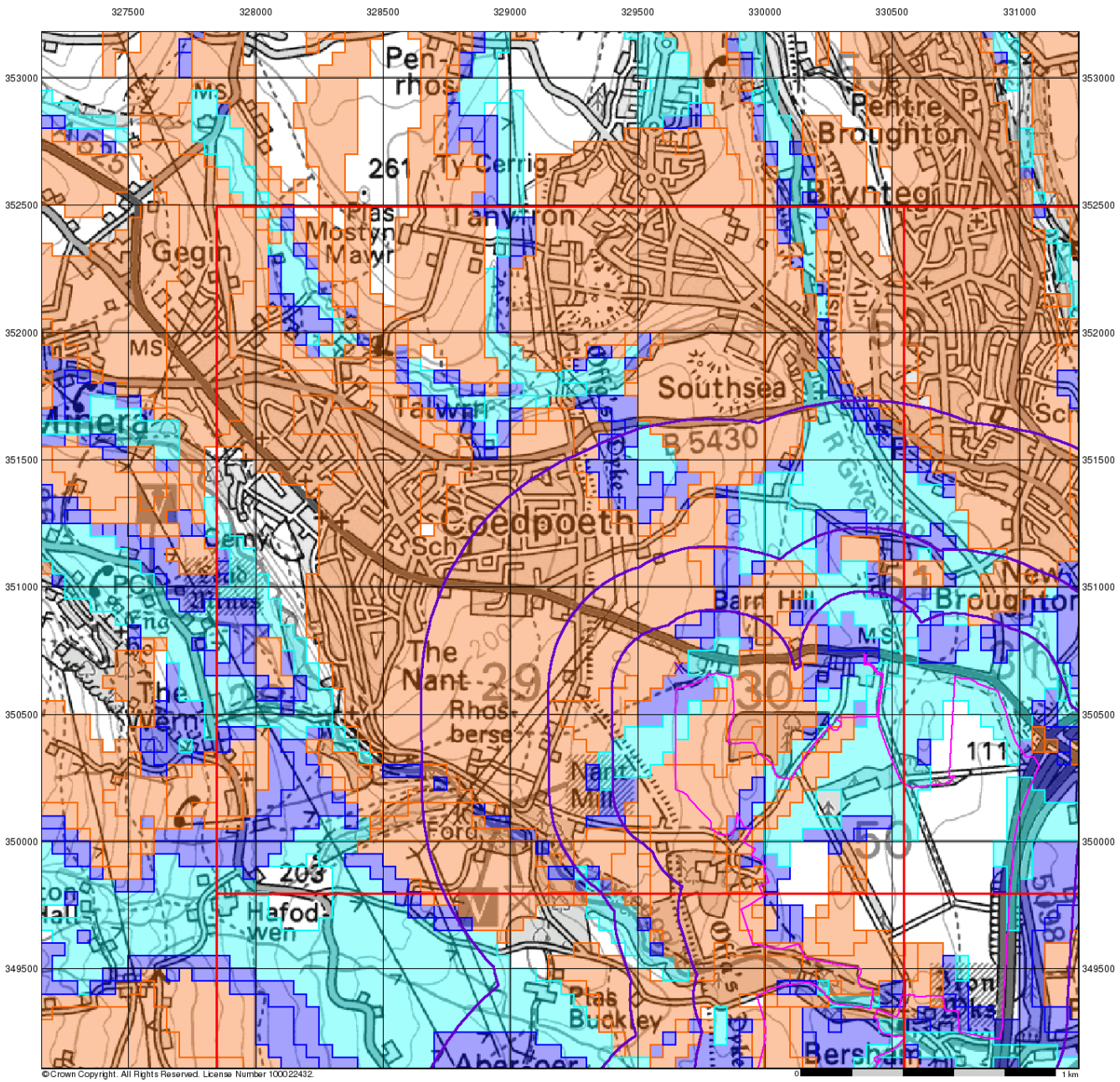

## Order Details

| | |
|---|---|
| Order Number: | 291151542_1_1 |
| Customer Ref: | JER8537 |
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| Slice: | C |
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## BGS Flood GFS Data

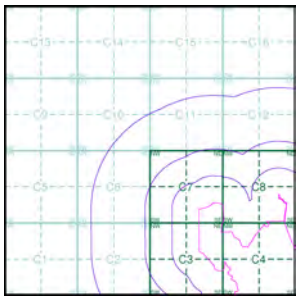
### General

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 C




## Order Details

| | |
|---|---|
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