AAH planning consultants

PHASE 1 CONTAMINATION STUDY

LAND EAST OF BOTTOM ROAD,

SUMMERHILL LL11 4TS

PROPOSED RESIDENTIAL DEVELOPMENT

APRIL 2016

JOB REFERENCE: 48048

PHASE 1 CONTAMINATION STUDY

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1.0 Introduction

1.1 AAH Planning Consultants have been commissioned to complete a Phase 1 Contamination Desk Study to accompany the outline planning application for the Proposed Development on a 2.8 hectare plot of land located immediately to the east of Bottom Road, Summerhill, grid reference SJ 310 543. The site is under the authority of Wrexham County Borough Council, with Welsh Water/Dŵr Cymru the drainage undertaker for the general area.

1.2 The objective of the study is to research the likely geotechnical and chemical characteristics of the soil and ground water environment. During the study, information was sought from:

- Wrexham County Borough Council
- National Resources Wales (NRW)
- British Geological Survey (BGS)
- Landmark Envirocheck Report, April 2016

2.0 Existing Site

2.1 The site is located to the north of the settlement of Summerhill, and 5.5km northwest of Wrexham, in the administrative area of Wrexham County Borough Council. Access to the site is from Bottom Road and the A451 Mold Road, which lies 500m to the east.

2.2 The site is 2.8ha, approximately rectangular in plan, and is bounded to west, north and south by agricultural land and to the south by the settlement of Summerhill. Farm steads and houses are sporadically positioned along Top and Bottom Roads, extending beyond the housing at Caer Haf and Summer Hill Park which back on to the site. The site is generally pasture land bordered by hedgerow and individual maturing trees. The land to the west extends towards a golf course (Moss Valley Golf Club) and to the east to the A451.

2.3 At the time of assessment a full topographic survey of the site was unavailable for scrutiny. OS Contour maps indicate that ground levels fall from approximately 140m Above Ordnance Datum (AOD) on Bottom Road to 120m AOD on the eastern site boundary.

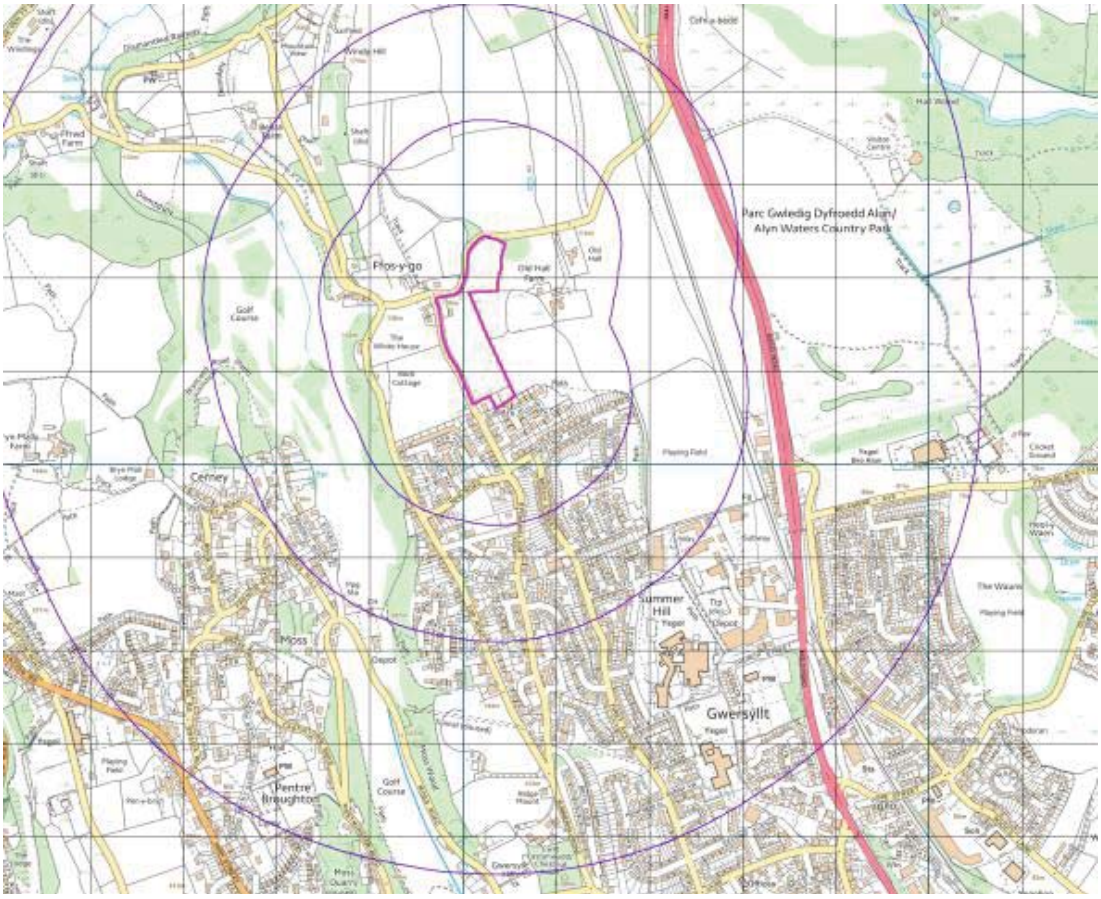


Fig 1 Site Location

3.0 Development Proposal

3.1 The site has an area of 2.8 hectares. It is proposed to develop the site at a density of 30 dwellings per hectare, which would give an indicative number of 84 dwellings maximum; although this assumes utilising the full extent of the field which wouldn't necessarily be the case, so in reality there would be less than 84. This proposed density allows for a spacious arrangement with provision for landscaping to ensure that the proposal is in keeping with the existing character of Summerhill.

3.2 The proposed housing styles are also not yet fixed, but an appraisal of surrounding housing types would suggest that a mixture of 2, 3, and 4 bedroom two storey dwellings in detached, semi-detached and terrace dwellings would form the basis of the development.

3.3 In addition to the built form of each dwelling house, there would be areas of private hardstanding utilised for driveways and pedestrian/patio hardstanding. It is probable that these areas could be constructed from pervious hardstanding materials. Highways within the development would be built to an adoptable standard and in all probability have a

traditional construction, thus forming part of the site impermeable/drained catchment area. For the purposes of this assessment it is anticipated that the built development on the site would be approximately 50% of the 2.8 ha developed area which equates to 1.4 ha.

4.0 Historical Site Uses

4.1 In appraising the site history, published Ordnance Survey maps have been reviewed dating from 1879 up to the present day. A selection of large scale maps used in this report is contained in Appendix C.

4.2 Inspection of the Ordnance Survey maps has revealed that between 1879 and the 1960's the general area was an active mining area, generally for coal but also for Fireclay and Sandstone. To assist in this, two railway lines and a canal were constructed, though all have now been dismantled. A sketch map (below) shows the presumed layout – little remains so the precise layout is uncertain. Photographs showing the remnants of these following dismantling are also shown below. The only remains of the canal were located 200m northwest of the site.



Fig 2 Dismantled canal 1



Fig 3 Dismantled canal 2

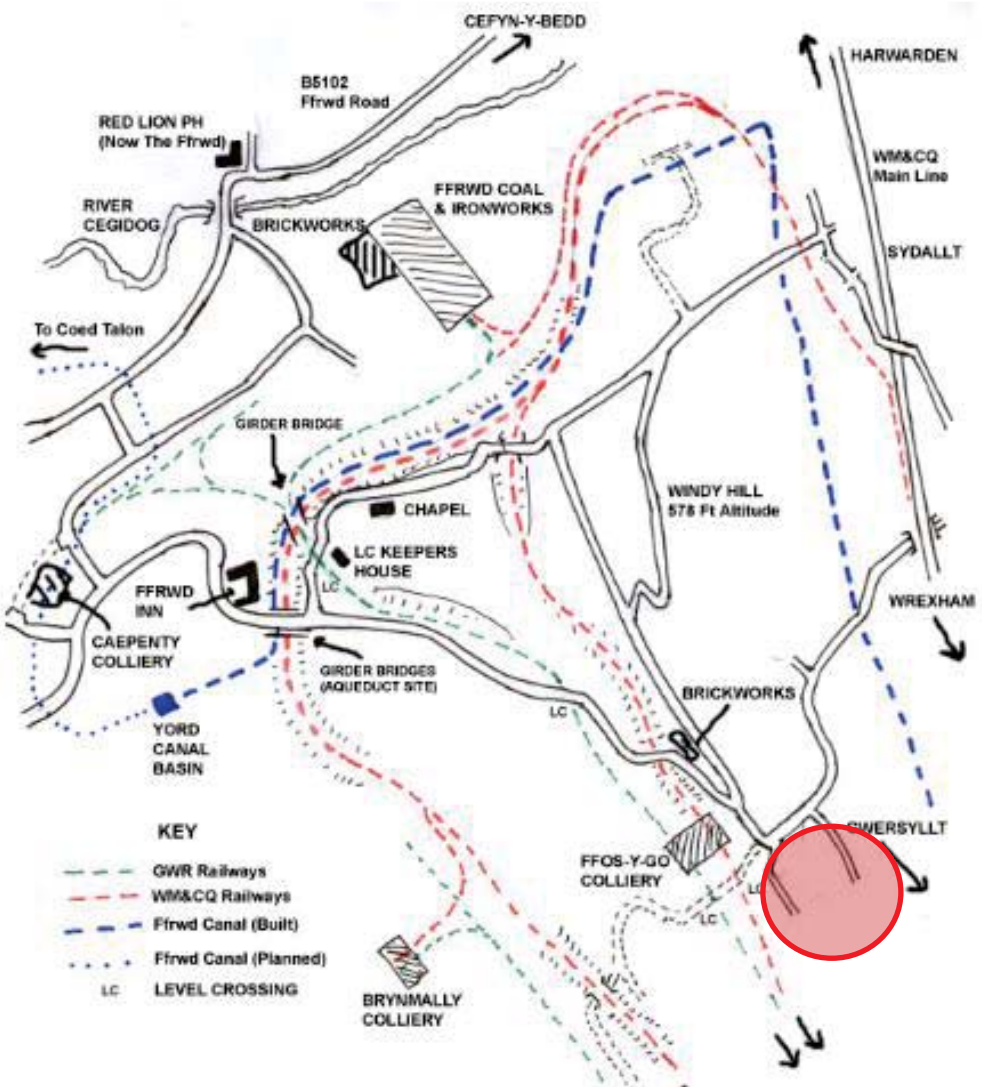


Fig 4 Sketch map showing original layout c. 1900

4.3 The Ffrwd Mine was opened by the Frood Iron Co around 1850 to supply their nearby Ironworks. It had a poor safety record and was closed in 1904. Ffrwd Ironworks and Colliery was worked from Pre 1796 until 1904. Ffos-Y-Go Collliery was worked from Post 1849 until 1917; Caepenty Colliery Closed C1920; Westminster Colliery was worked from 1846 until 1925.

4.4 WMCQR Ffos-Y-Go Branch Railway was closed and lifted by 1912; WMCQR Ffrwd Branch Railway was closed in 1930 and lifted by 1935 (Except for a siding at Ffrwd Junction) and the GWR Ffrwd Branch Closed in 1931. The GWR Moss Valley Railway (To Moss Crossing Halt) also closed to passengers in 1931, and to goods in 1935. Only a short section of dismantled

railway line was identified near the site on Windy Hill (at SJ 305549), and this is shown below:

	
Fig 5 Dismantled railway 1	**Fig 6 Dismantled railway 2**

4.5 The site itself has always been agricultural land, and there is no evidence of any significant contaminative risk to the proposed development.

5.0 Hydrology

Fluvial Flooding

5.1 Natural Resources Wales (NRW) Development Advice Maps (DAM) are based on the best available information considered sufficient to determine when flood risk issues need to be taken into account in planning future development. Three development advice zones are described on the maps, based on Environment Agency's extreme flood outlines (Zone C) and the British Geological Survey (BGS) drift data (Zone B).

5.2 The DAM shows that the site is designated at a strategic level as Flood Zone 1 and is therefore considered to be at a low risk of flooding from rivers and the sea. The annual probability of flooding (APF) to the site from fluvial and tidal flooding is quantified as less than 1 in 1000 years / 0.1%.

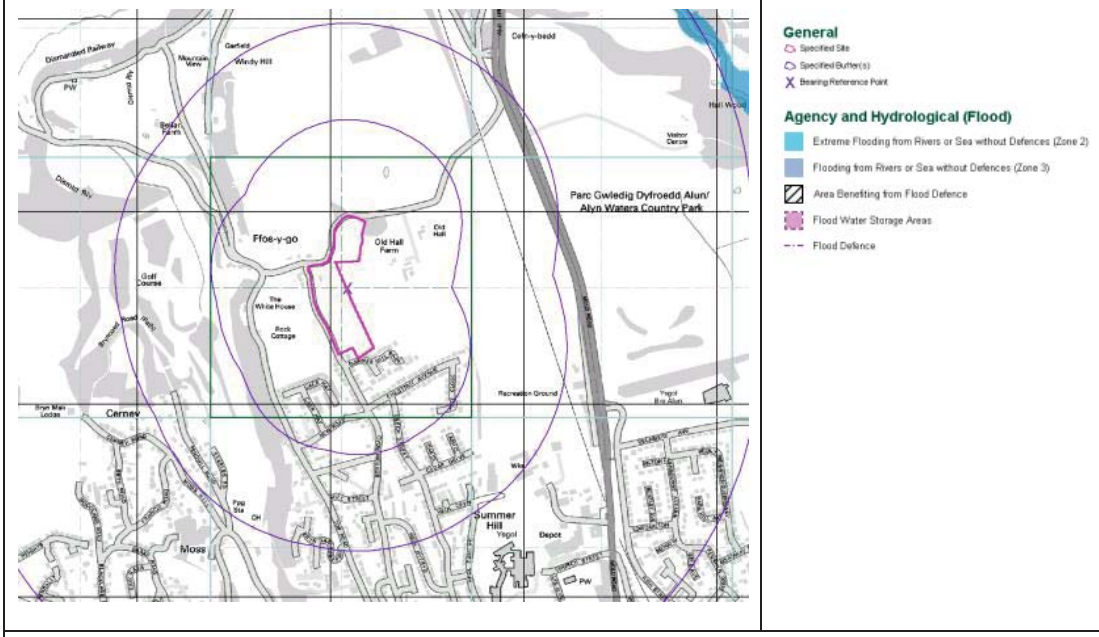


Fig 7 Natural Resources Wales Flood Risk Map

5.3 The surface water flood risk map shows the site is also at a very low risk of flooding from this source.



Fig 8 Natural Resources Wales Flood Risk Map for Surface Water

Discharge and Abstraction Consents

5.4 8 discharge consents and no water abstraction licences have been identified within 1000m of the site. These are detailed in full in the appendices.

6.0 Geology

BGS Records

6.1 A desktop survey of mapped geological records has been undertaken as part of the Flood Risk Assessment process. Evaluation of the British Geological Survey (BGS) Geology of Britain Viewer shows the site has Bedrock of Cefn Rock sandstone, with superficial deposits of Devensian Till. No intrusive investigation has been undertaken for this study, but borehole records suggest (BGS ID: 154884) greyish brown to yellow brown sandy and stony clay to a depth of 2.8m over 0.9m of coarse and fine sandy gravel.

6.2 Based on the published geology of the site it is likely that infiltration will not be feasible. The clay layer above the sand and gravel would require the soakaway to be 2-3m deep, which would be likely to be uneconomically deep. However, before the use of infiltration can be formally ruled out it will be necessary for onsite percolation testing to be undertaken to determine ground permeability. The commission of percolation tests, to be undertaken in accordance with the BRE365 design methodology should be placed as a condition of consent on the planning decision notice.

6.3 BGS records include the following ground stability hazards within 250m of the Site:

- Collapsible ground stability: Very Low
- Compressible ground: No Hazard – Very Low
- Ground dissolution: No Hazard
- Landslide: Very Low – Moderate
- Running sand: No Hazard – Very Low
- Shrinking & Swelling: No Hazard – Very Low

Coal Authority Records

6.4 A Coal Authority Mining Report has been obtained, and is reproduced in full in the appendices. In summary, the report indicates that the property is in the likely zone of influence from workings in 11 seams of coal at shallow to 300m depth, and last worked in

1935. Any ground movement from these coal workings should have stopped by now. The property is not within a surface area that could be affected by present underground mining.

6.5 The property is not in an area where the Coal Authority has plans to grant a licence to remove coal using underground methods, nor where a licence has been granted to remove or otherwise work coal using underground methods. The property is not in an area likely to be affected from any planned future underground coal mining. However, reserves of coal exist in the local area which could be worked at some time in the future. No notices have been given, under section 46 of the Coal Mining Subsidence Act 1991, stating that the land is at risk of subsidence.

6.6 There are no known coal mine entries within 20 metres of the boundary of the property. The Authority is not aware of any evidence of damage arising due to geological faults or other lines of weakness that have been affected by coal mining. The property is not within the boundary of an opencast site from which coal has been removed by opencast methods, and does not lie within 200 metres of the boundary of an opencast site from which coal is being removed by opencast methods. There are no licence requests outstanding to remove coal by opencast methods within 800 metres of the boundary, and the property is not within 800 metres of the boundary of an opencast site for which a licence to remove coal by opencast methods has been granted.

6.7 The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres, since 31st October 1994. There is no current Stop Notice delaying the start of remedial works or repairs to the property, the Coal Authority is not aware of any request having been made to carry out preventive works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991.

6.8 The Coal Authority has no record of a mine gas emission requiring action. The property has not been subject to remedial works, by or on behalf of the Authority, under its Emergency Surface Hazard Call Out procedures.

6.9 The property lies outside the Cheshire Brine Compensation District.

6.10 In view of the mining circumstances a prudent developer would seek appropriate technical advice relating to both the investigation of former coal mines and their treatment before beginning work on site. No development should be undertaken that disturbs or interferes with any coal or mines of coal without the permission of the Coal Authority. Developers

should be aware that the investigation of coal seams/former mines of coal may have the potential to generate and/or displace underground gases and these risks both under and adjacent to the development should be fully considered in developing any proposals. The need for effective measures to prevent gases entering into public properties either during investigation or after development also needs to be assessed and properly addressed. This is necessary due to the public safety implications of any development in these circumstances.

6.11 It should be noted that all mining activities within 1000m of the site have ceased – the closest site, Ffos-Y-Go Collliery, closed in 1917, almost 100 years ago. It seems reasonable to assume that any generation and/or displacement of underground gases has therefore already taken place.

7.0 Hydrogeology

7.1 The vulnerability of groundwater around the site is illustrated below. The site lies in an area defined as a minor aquifer of variable permeability.

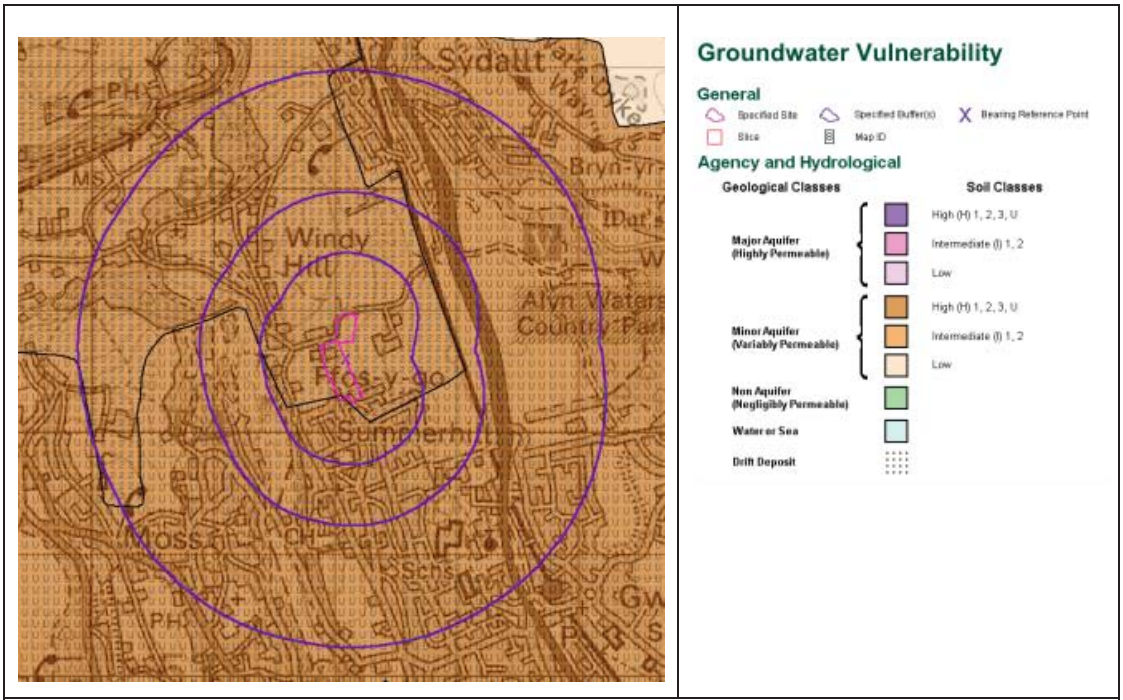


Fig 9 Groundwater Vulnerability

7.2 The Sandstone bedrock is designated as a Secondary A Aquifer, and the superficial Devensian Till as unproductive strata. No Source Protection Zones are indicated within 1km of the site. This is illustrated further in the Appendices.

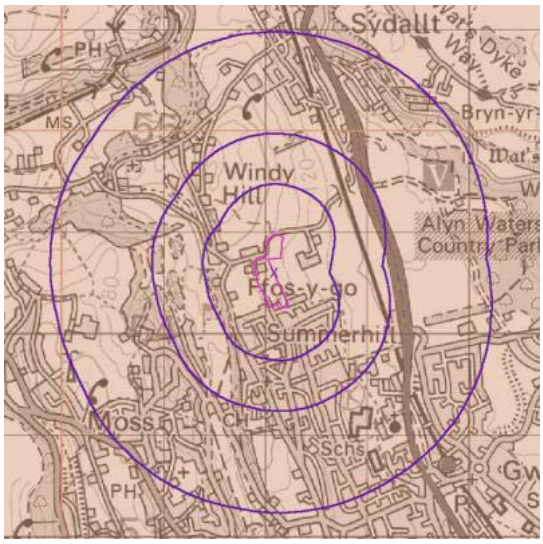


Fig 10 Bedrock: Secondary A Aquifer

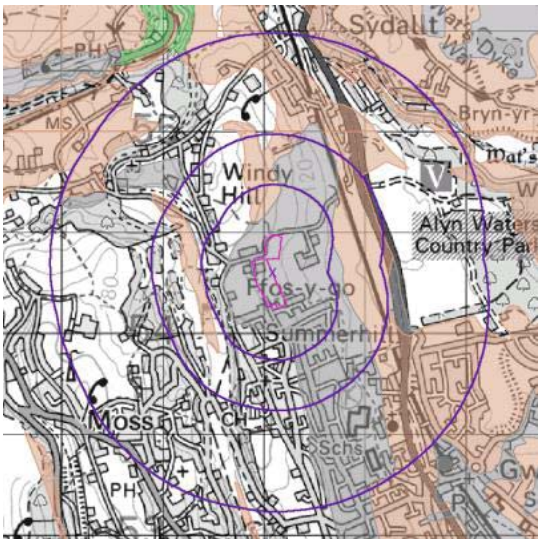


Fig 11 Superficial: Unproductive Strata

7.3 No Nitrate Vulnerable Zones (NVZ) are indicated, nor are any other sensitivities noted in the vicinity of the site.

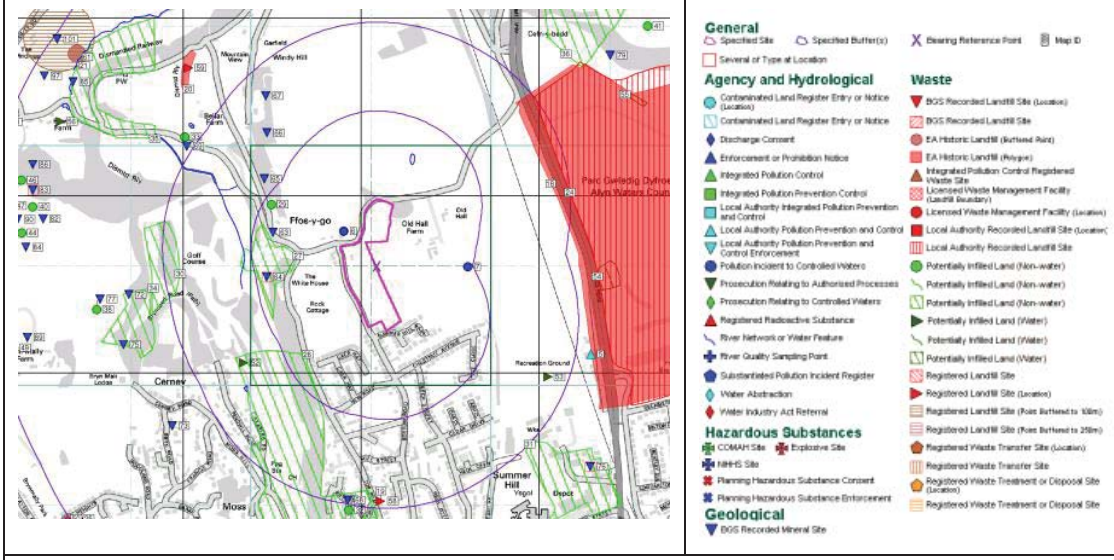


Fig 12 Site Sensitivity Map

8.0 Potential Contaminative Land Uses and Statutory Registers

Contamination

8.1 One Local Authority Pollution Prevention and Control is recorded within 1km of the site, relating to a Service Station. Thirteen pollution incidents to controlled waters are noted, two within 250m of the site. Ten of these are minor, and three significant, though the closest significant incident occurred in 1991 a distance of 883m from the site boundary. There are 55 Contemporary Trade Directory Entries and 40 Points of Interest recorded within 1,000m of the Site boundary, details of which shown in the appendices. Most of these are located within the Alyn Industrial Estate, almost 1000m from the site and separated from it by topography and the River Alyn. None of the following have been recorded:

- Contaminated Land Register Entries and Notices
- Enforcement and Prohibition Notices
- Integrated Pollution Controls
- Local Authority Integrated Pollution Prevention And Control
- Local Authority Pollution Prevention and Control Enforcements
- Prosecutions Relating to Authorised Processes
- Prosecutions Relating to Controlled Waters
- Registered Radioactive Substances
- Substantiated Pollution Incident Register
- Water Industry Act Referrals

Landfill Waste

8.2 Six Historic Landfill Sites have been recorded, two less than 500m and four less than 1000m from the site. Three Local Authority Recorded Landfill Sites are noted, one over 480m and two over 900m from the site and all now closed. There are 25 Potentially Infilled Sites (non-water), probably related to old mine workings and 6 Potentially Infilled Sites (water), probably related to the now-removed canal within 1000m of the site, and four Registered Landfill Sites between 250-1000m from the site. The three closest Potentially Infilled Sites (non-water) are 122m, 189m and 229m from the site respectively and classified as unknown filled ground.

8.3 There are 46 BGS Recorded Mineral sites within 1000m of the site boundary. Of these, 32 are deep coal from the Pennine Coal Measures Group, 1 is surface mined coal from the

Pennine Lower Coal Measures Group. The remaining 13 are sandstone (7) from Cefn Rock, sand from Glaciofluvial deposits (1) and fireclay from Pennine Middle Coal Measures Formation (5). Fireclays are sedimentary mudstones that occur as the fossil soils on which coal-forming vegetation once grew. None of these mineral sites are recorded closer than 197m of the site boundary, and all had ceased operating by 1966. None of the following have been recorded within 1000m of the site:

- Integrated Pollution Control Registered Waste Sites
- Licenced Waste Management Facilities
- Registered Waste Transfer Sites

Environmental Setting

8.4 None of the following are reported within 1000m of the site boundary:

- Ancient Woodland
- Areas of Adopted /Unadopted Green Belt
- Areas of Oustanding Natural Beauty
- Environmentally Sensitive Areas
- Forest Parks
- Local Nature Reserves
- Marine Nature Reserves
- National Nature Reserves
- National Parks
- Ramsar Sites
- Sites of Special Scientific Interest
- Special Areas of Conservation
- Special Protection Areas

Estimated Soil Chemistry

8.5 DEFRA/EA Soil Guideline Values (SGVs) are indicators of levels of contamination in the soil that may present unacceptable risks to human health (should there be any contact), as well as providing guidance to Local Authorities to determine contaminated land under Part 2A. However, these are merely indicative values in which exceedance may simply require further site-specific investigation as opposed to definitive remedial works. The estimated site soil

chemistry is summarised below, along with the Contaminated Land Exposure Assessment (CLEA) Soil Guideline Values for residential land use:

Table 1 Estimated Soil Chemistry			
Heavy Metal	**Concentration (mg/kg)**	**CLEA SGV (mg/kg)**	**Year Published**
Arsenic	< 15	32	2009
Cadmium	< 1.8	10	2009
Chromium	60 – 90	130	2002
Lead	100 - 200	450	2002
Nickel	15 - 30	130	2009

8.6 The estimated heavy metal concentrations on site are all shown to be below the published CLEA SGVs and may be confirmed should a soil assessment be required at the detailed design stage. The estimated Arsenic concentration in the soil is constant within 1km of the site at < 15 mg/kg. Similarly, the estimated concentration of Cadmium is < 1.8 mg/kg, and that of Lead between 100 and 200 mg/kg. The estimated concentration of Nickel is between 15-30 mg/kg and the concentration of Chromium is 60-90 mg/kg.

9.0 Site Conceptual Model

9.1 Guidance has been published by DEFRA 'Environmental Protection Act 1990: Part 2A – Contaminated Land Statutory Guidance' (April 2012).

9.2 Under Part 2A, for a relevant risk to exist there needs to be one or more contaminant-pathway-receptor linkage – "contaminant linkage" – by which a relevant receptor might be affected by the contaminants in question. In other words, for a risk to exist there must be contaminants present in, on or under the land in a form and quantity that poses a hazard, and one or more pathways by which they might significantly harm people, the environment, or property; or significantly pollute controlled waters. For the purposes of this Guidance:

- A "contaminant" is a substance which is in, on or under the land and which has the potential to cause significant harm to a relevant receptor, or to cause significant pollution of controlled waters.
- A "receptor" is something that could be adversely affected by a contaminant, for example a person, an organism, an ecosystem, property, or controlled waters. The various types of receptors that are relevant under the Part 2A regime are explained in later sections.
- A "pathway" is a route by which a receptor is or might be affected by a contaminant.

9.3 The term “contaminant linkage” means the relationship between a contaminant, a pathway and a receptor. All three elements of a contaminant linkage must exist in relation to particular land before the land can be considered potentially to be contaminated land under Part2A, including evidence of the actual presence of contaminants. The term “significant contaminant linkage”, as used in this Guidance, means a contaminant linkage which gives rise to a level of risk sufficient to justify a piece of land being determined as contaminated land. The term “significant contaminant” means the contaminant which forms part of a significant contaminant linkage.

9.4 This means that each of the following must be identified:

- Contaminant
- Pathway
- Receptor

and either:

- The Contaminant is causing Significant Harm to that Receptor, or
- There is a Significant Possibility of such harm being caused by the Contaminant to the Receptor.

9.5 Where any of the three elements of the SPR are not present, there is no risk and therefore land cannot be classified as statutory 'contaminated land'.

9.6 Section 78A (9) defines the pollution of controlled waters as: 'The entry into controlled waters of any poisonous, noxious or polluting matter or any solid waste matter'. Land should not be designated as contaminated land where:

- A substance is already present in controlled waters;
- Entry into controlled waters of that substance from land has ceased; and
- It is not likely that further entry will take place.

9.7 Substances should be regarded as having entered controlled waters where:

- They are dissolved or suspended in those waters; or
- If they are immiscible with water they have direct contact with those waters on or beneath the surface of the water.

9.8 In 2004 the Environment Agency published the ‘Model Procedures for the Management of Land Contamination’, CLR11, which provides the technical framework for applying a risk management process, based on the ‘suitable for use’ approach, when dealing with land affected by contamination.

9.9 In 2008, to enable the practical application of good practice of the EA's Model Procedures CLR11, R&D Publication 66 'Guidance for the Safe Development of Housing on Land Affected by Contamination' was published by the National House Builders Council (NHBC), the EA and the Chartered Institute of Environmental Health. Whilst written to be relevant to housing development it is also applicable to other forms of development where sites are land affected by contamination. The guidance describes in detail the process and activities involved for the identification and assessment of hazards for a Phase 1 assessment.

9.10 At Phase 1 stage, it is necessary to develop an initial conceptual site model to understand the possible relationships between contaminants, pathways and receptors. If a hazardous source, via an exposure pathway to a potential receptor can be established then there is a 'pollutant linkage', which is assessed using parameters summarised below. At this stage, the conceptual model is prepared without site specific soils, groundwater or gas testing and as such, the findings should be treated only as first and general indications of possible SPR linkages.

9.11 The potential sources of contamination to the site include agricultural use, coal and other mineral extraction, the Alyn Industrial Estate and the railway lines and canal. However, the railway lines and canal, though close to the site, were lower and have long since been dismantled. Over much of their route they were separated from the site by the valley now occupied by the Moss Valley Golf Club. These are thought unlikely to pose any threat to the site. The site is protected from the industrial estate by topography, the River Alyn and the A451 Mold Road, which break the pathway between source and receptor. The closest sandstone mine was 479m north of the northern site boundary, close to Windy Hill, and thought to be too distant to pose a threat. The closest fireclay mine was 899m northeast of the site, where the industrial estate is now and therefore too distant and too low to pose a threat. The primary potential sources of contamination to the site are therefore:

Agricultural Use	-	Soil and Water Contamination
Coal Extraction	-	Soil and Water Contamination

9.12 The potential receptors at the site are:

- End users / site occupiers
- Adjacent users / occupiers
- Controlled waters
- Flora and fauna

- Buildings & construction materials

9.13 The potential pathways at the site are primarily:

- Direct ingestion of soil / water / fruit or vegetable
- Inhalation of dust / vapours
- Direct skin contact with the ground / water
- Regression of plant growth due to phytotoxic contamination
- Vertical and lateral migration of contamination

Table 2 Conceptual Site Model

Source	Pathway	Receptor	Comment	Risk and Mitigation
Contaminated Soils **On-site:** Agricultural **Off-site:** Agricultural Coal mining	Direct Ingestion & skin contact	Site workers & occupiers	Predominantly undeveloped site. Agricultural use may have included the use of pesticides and fertilizers which pose a minor potential contamination threat.	**Medium Risk** Appropriate PPE such as gloves & a targeted remedial strategy treating any soil contaminants if found.
	Inhalation of dust		Predominantly undeveloped site. On and off site land uses do not suggest a significant potential for dust inhalation.	**Low Risk** None Necessary
	Vertical & lateral migration		Predominantly undeveloped site situated on a Secondary A Aquifer with soils of unknown leaching potential.	**Medium Risk** Appropriate PPE such as gloves & a targeted remedial strategy treating any soil contaminants if found.
	Direct uptake	Flora	Predominantly undeveloped site. On-site use encourages plant growth.	**Low Risk** None Necessary
	Direct contact	Building materials	Predominantly undeveloped site. Agricultural land uses are not considered to have a detrimental impact on building materials.	**Low Risk** None Necessary

Table 2 Conceptual Site Model (cont)				
Source	Pathway	Receptor	Comment	Risk and Mitigation
Contaminated Groundwater **On-site:** Agricultural **Off-site:** Agricultural Coal Extraction	Direct ingestion and skin contact	Site workers & occupiers	Site is situated on high ground above a Secondary A Aquifer. Groundwater flow into site is a very low possibility. The site is not in a Groundwater Protection Zone	**Low Risk** None Necessary
	Vertical & lateral migration	Controlled Waters	Groundwater flow into site is a low possibility (small catchment) however none of the sources have the potential to detrimentally impact on the proposed site, nearby mines closed c.100 years ago. Controlled fertilizer application (NVZ).	
	Direct uptake	Flora		
	Direct contact	Building Materials		
	Lateral migration	Adjacent occupiers	Site is situated on high ground above a Secondary A Aquifer. Groundwater flow from site is possible, but no development downstream.	

10.0 Conclusions

10.1 A review of readily available site environmental data, including historical mapping and statutory registers has identified some potentially contaminative land uses in the vicinity of the site. Agriculture carries risks of typical contaminants such as nitrogen, potassium and phosphorous contained within fertilisers, chemicals from pesticides and herbicides, coliform and non-coliform bacteria from livestock waste and manure application and hydrocarbons (oil and fuel leakages from machinery). No evidence of this has been found. It should be noted that the site lies within a nitrate vulnerable zone, where there are restrictions on the application of fertilizers and pesticides.

10.2 The potential sources of contamination to the site include agricultural use, coal and other mineral extraction, the Alyn Industrial Estate and the railway lines and canal. However, the railway lines and canal, though close to the site, were lower and have long since been dismantled. Over much of their route they were separated from the site by the valley now occupied by the Moss Valley Golf Club. These are thought unlikely to pose any threat to the site. The site is protected from the industrial estate by topography, the River Alyn and the A451 Mold Road, which break the pathway between source and receptor. The closest sandstone mine was 479m north of the northern site boundary, close to Windy Hill, and thought to be too distant to pose a threat. The closest fireclay mine was 899m northeast of

the site, where the industrial estate is now and therefore too distant and too low to pose a threat.

10.3 The primary potential sources of contamination to the site are therefore from the agricultural use of the site itself and the coal extraction from nearby mines. The Coal Report indicates that there is no known risk from present or future underground coal mining, or from past, present or future opencast coal mining. There are no known mine entries within 20m of the site, nor any known damage due to geological faults affected by coal mining.

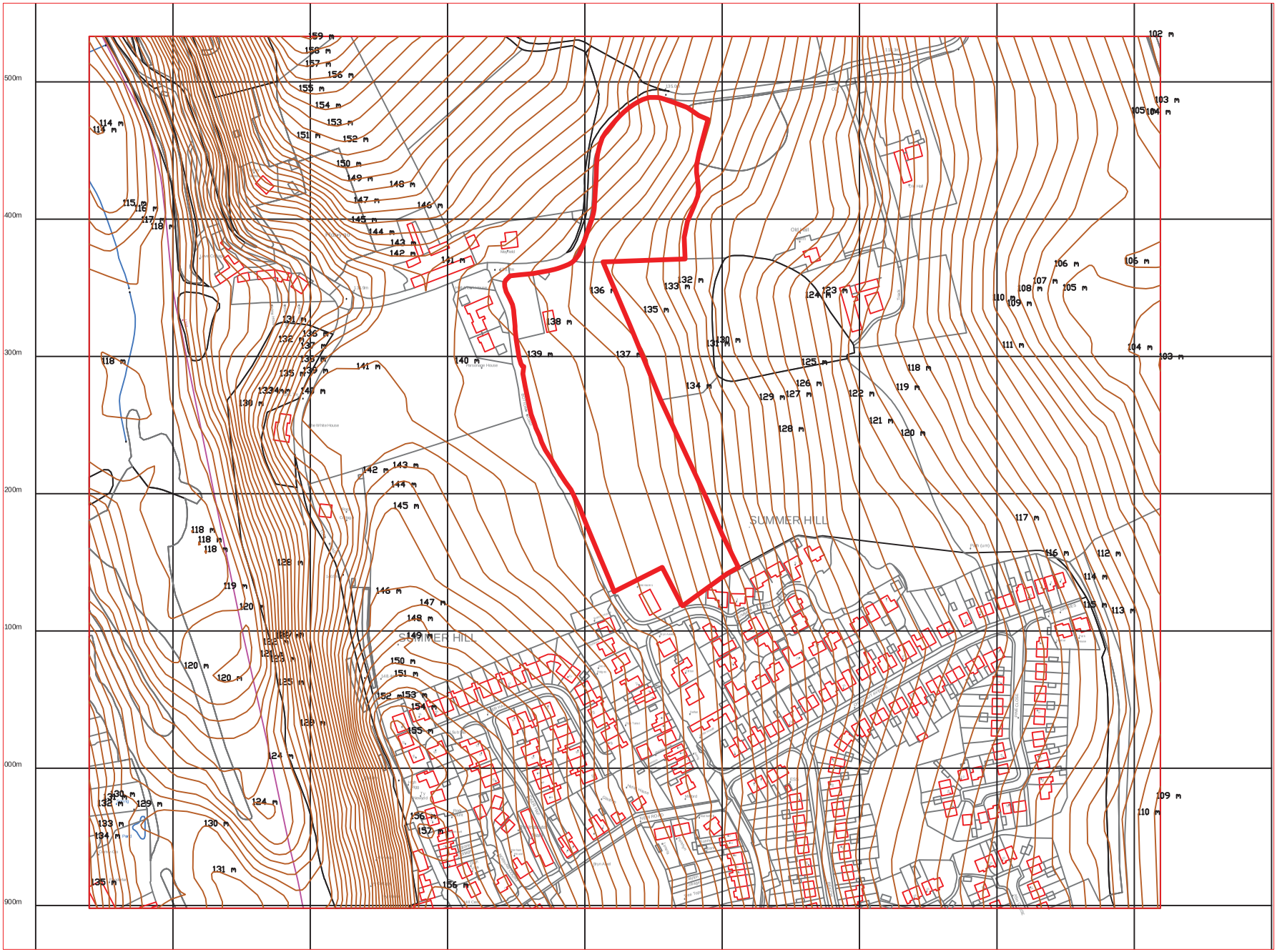
10.4 There is no evidence of any coal mining subsidence nor of any mine gas emission requiring action. There have been no remedial works to the site carried by or on behalf of the Coal Authority under its Emergency Surface Hazard Call Out procedures. The property is in a surface area that could be affected by underground mining in 11 seams of coal at shallow to 300m depth last worked in 1935. However the nearest mine, and therefore the one most likely to pose a risk, is the Ffos-y-go Colliery which closed in 1917, and was in the valley now occupied by the Moss Valley Golf Club at about 120m AOD or 20m below the site. Therefore it is assumed that any subsurface gas emissions likely to affect the site have already occurred.

10.5 The study has identified little evidence of any soil contamination in or adjacent to the site. The estimated heavy metal concentrations on Site are all shown to be below the published CLEA SGVs and may be confirmed should a soil assessment be required at the detailed design stage. The estimated Arsenic concentration in the soil is constant within 1km of the site at < 15 mg/kg. Similarly, the estimated concentration of Cadmium is < 1.8 mg/kg, and that of Lead between 100 and 200 mg/kg. The estimated concentration of Nickel is between 15-30 mg/kg and the concentration of Chromium is 60-90 mg/kg.

10.6 The overall contaminative risk at the site is therefore considered to be low, and we are satisfied that following the proposed development the site will be suitable for use, safe and not determinable as contaminated land under Part 2A of the Environmental Protection Act.

APPENDIX A:

CONTOUR PLAN



A4 @ 1:100

APPENDIX B:

ENVIROCHECK DATA

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

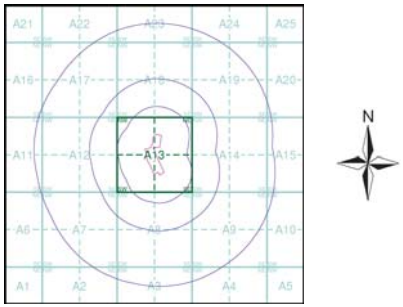
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community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

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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Flintshire	1:10,560	1879	2
Denbighshire	1:10,560	1879	3
Denbighshire	1:10,560	1900	4
Flintshire	1:10,560	1900	5
Denbighshire	1:10,560	1914 - 1915	6
Denbighshire	1:10,560	1938 - 1954	7
Denbighshire	1:10,560	1938 - 1954	8
Denbighshire	1:10,560	1954	9
Ordnance Survey Plan	1:10,000	1963 - 1964	10
Ordnance Survey Plan	1:10,000	1968	11
Ordnance Survey Plan	1:10,000	1974 - 1976	12
Ordnance Survey Plan	1:10,000	1981 - 1987	13
Ordnance Survey Plan	1:10,000	1988	14
Ordnance Survey Plan	1:10,000	1990 - 1992	15
Ordnance Survey Plan	1:10,000	1992	16
10K Raster Mapping	1:10,000	2000	17
Historical Aerial Photography	1:10,000	2001	18
10K Raster Mapping	1:10,000	2006	19
VectorMap Local	1:10,000	2016	20

Historical Map - Slice A



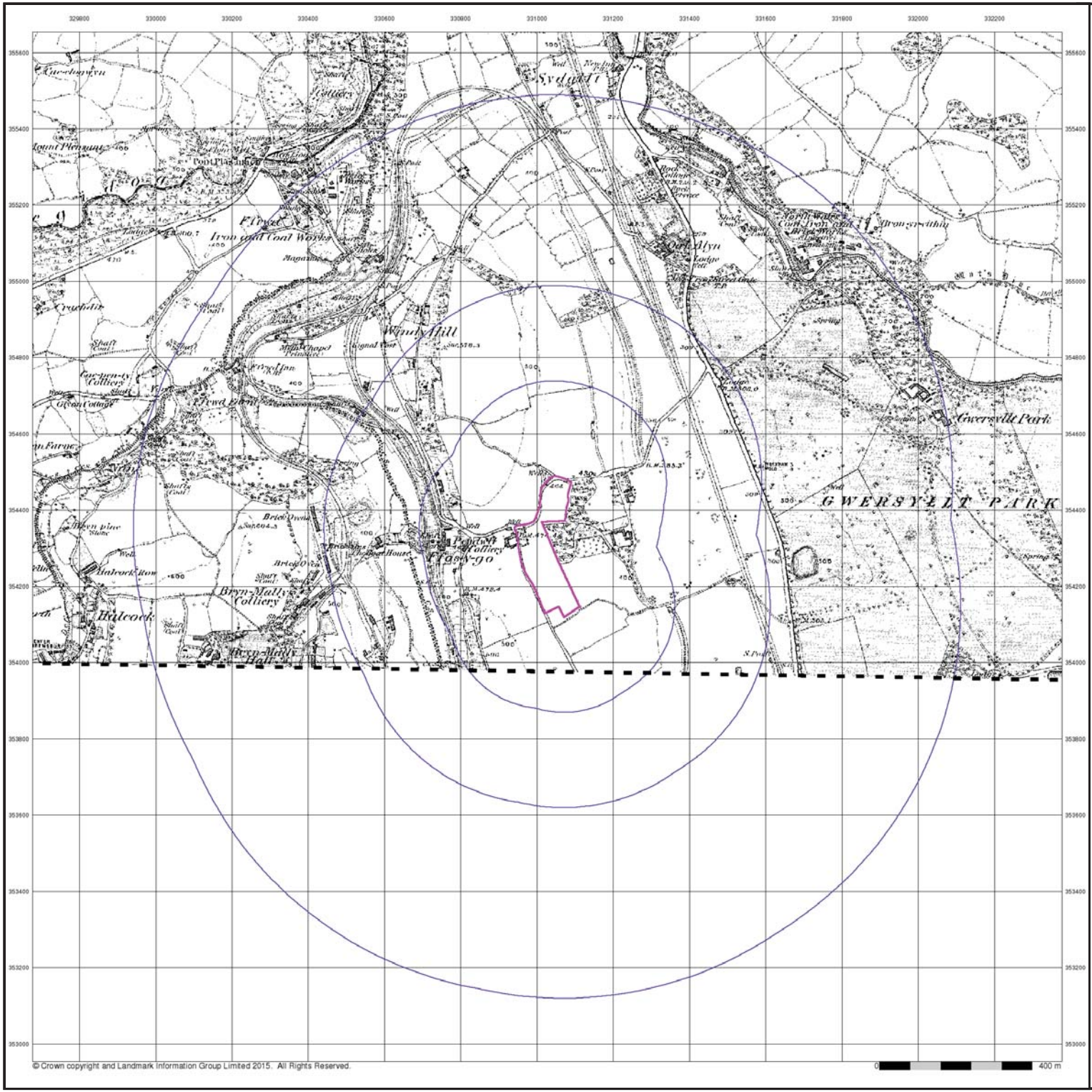
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Customer Ref: 48048
National Grid Reference: 331040, 354300
Slice: A
Site Area (Ha): 2.95
Search Buffer (m): 1000

Site Details

Land east of Bottom Road, Summerhill,
WREXHAM, Clwyd, LL11 4TS

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Flintshire

Published 1879

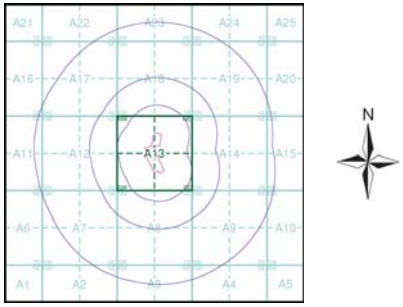
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Map Name(s) and Date(s)



Historical Map - Slice A



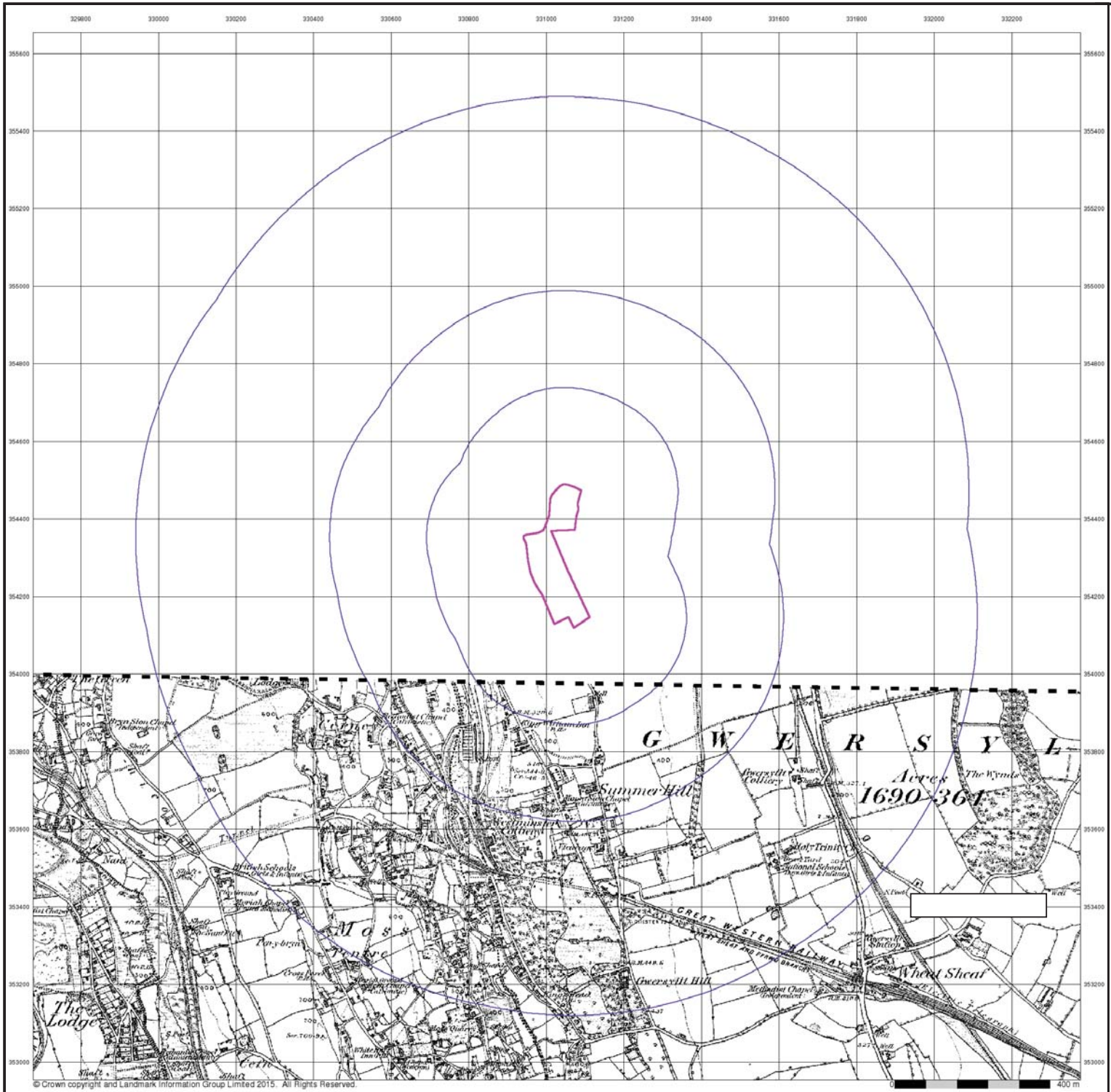
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Denbighshire

Published 1879

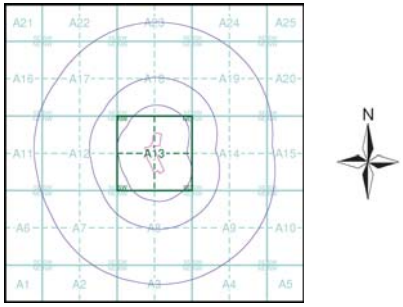
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A

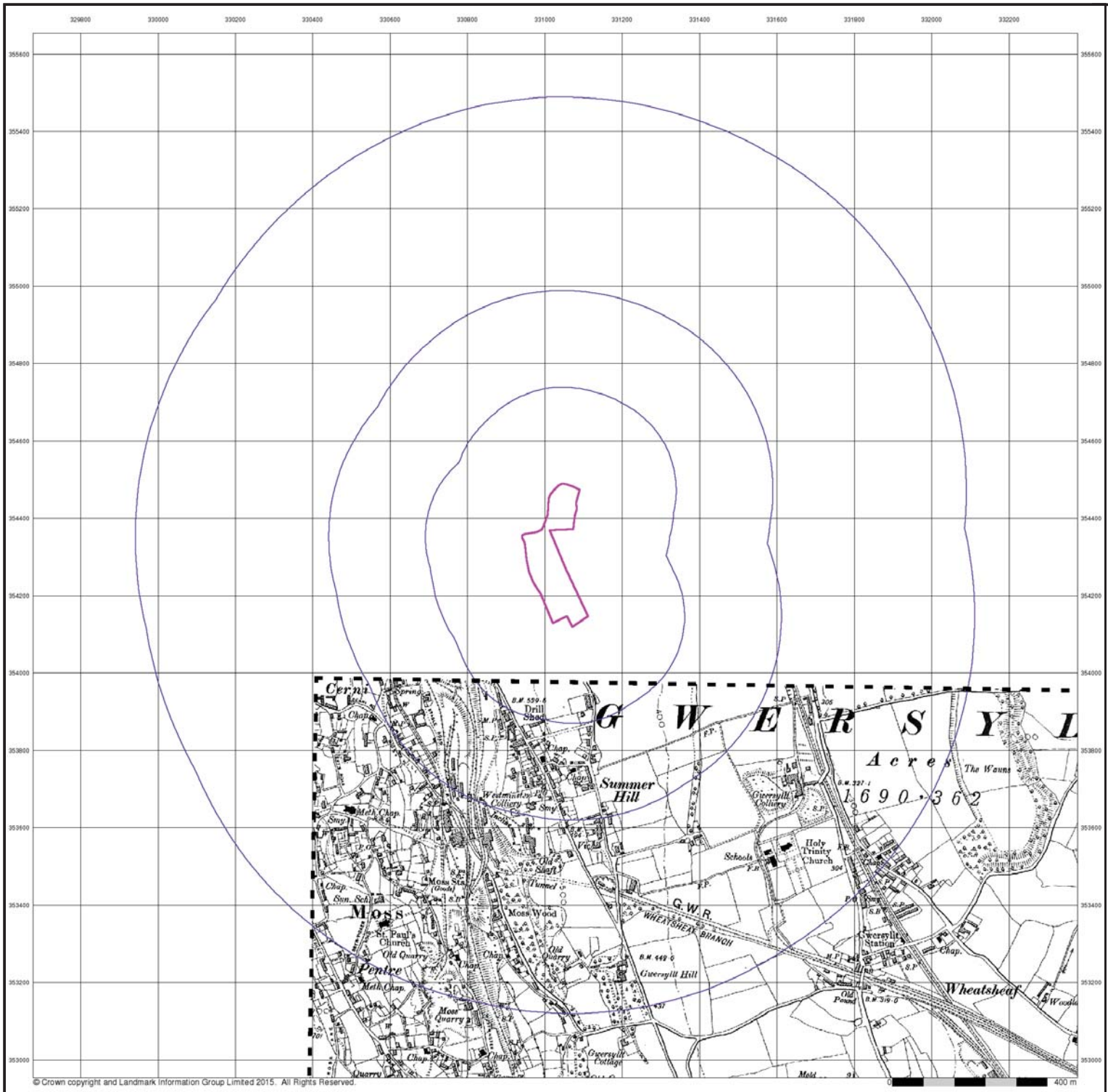


Order Details

Order Number:	84701701_1_1
Customer Ref:	48048
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Slice:	A
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Site Details

Land east of Bottom Road, Summerhill,
WREXHAM, Clwyd, LL11 4TS



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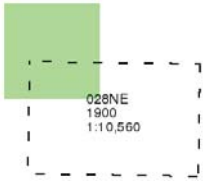
Denbighshire

Published 1900

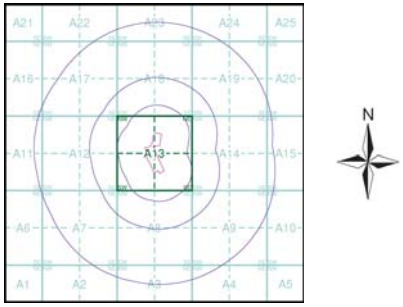
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Map Name(s) and Date(s)



Historical Map - Slice A



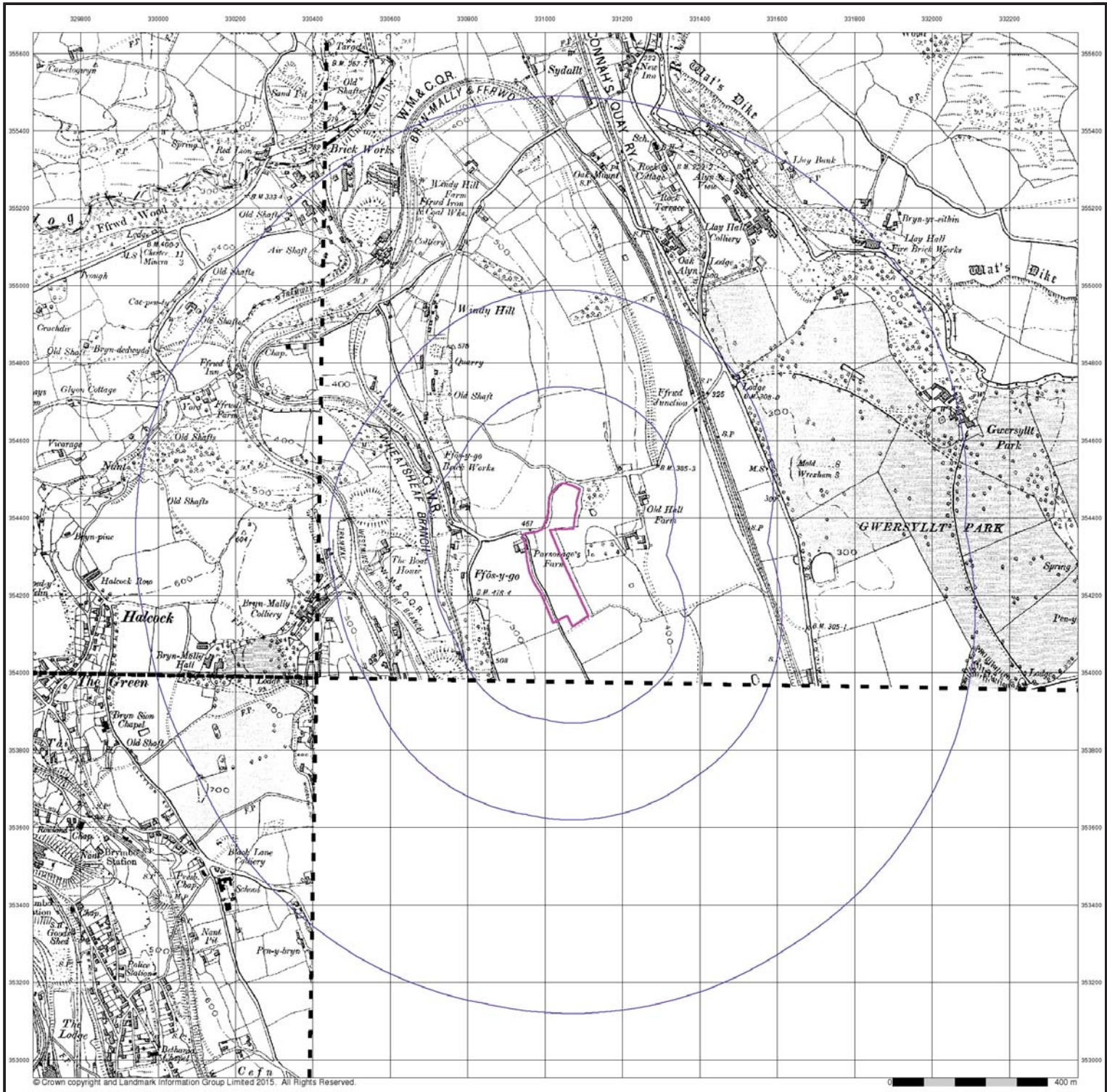
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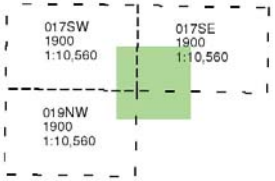
Flintshire

Published 1900

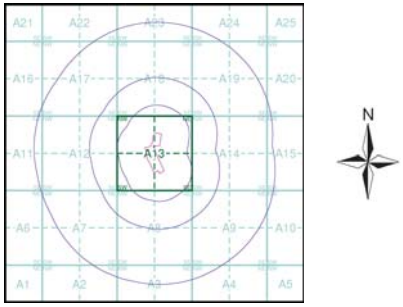
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A



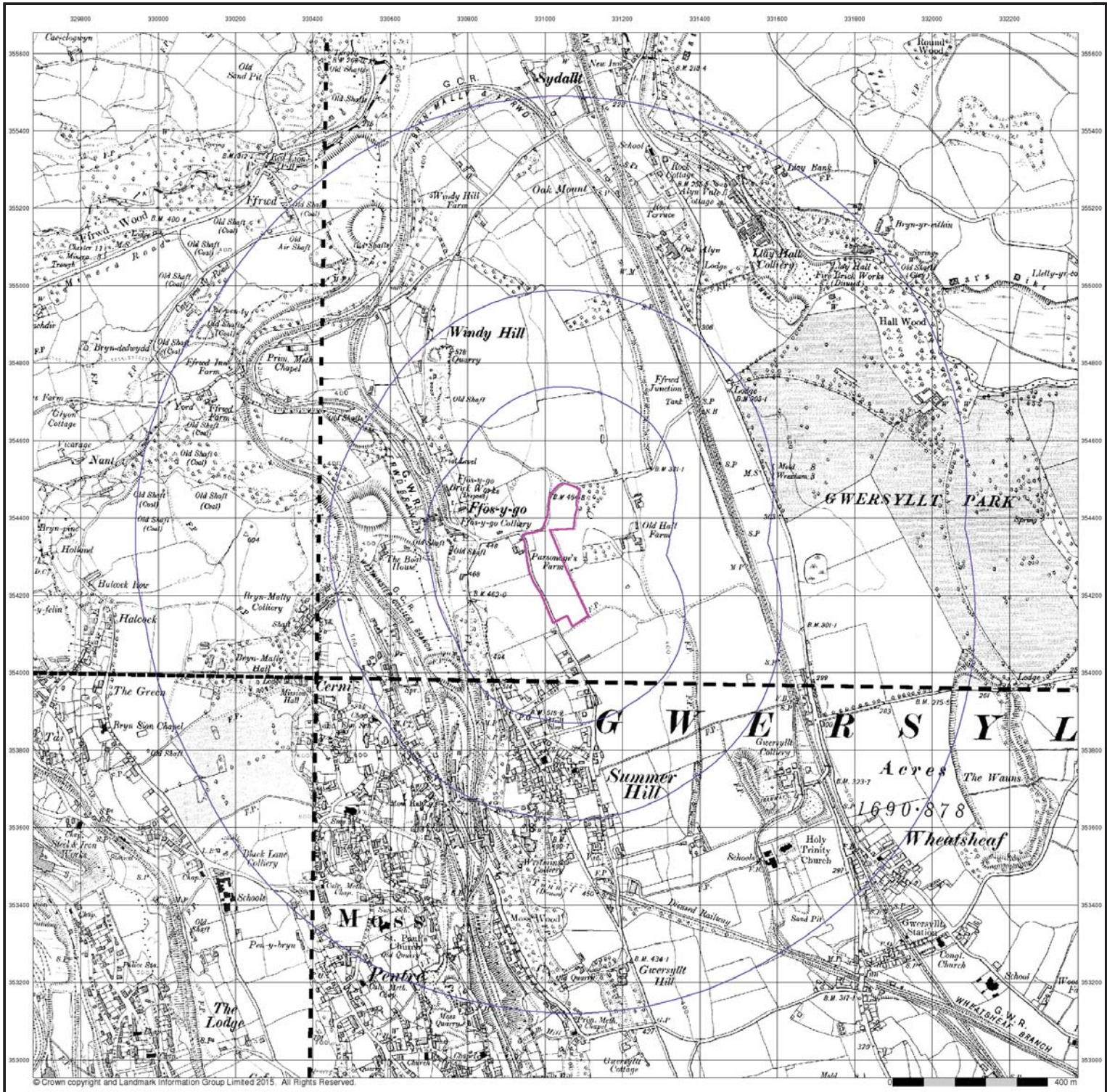
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Slice:	A
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Site Details

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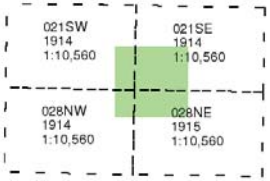
Denbighshire

Published 1914 - 1915

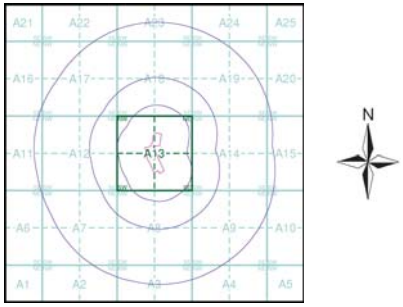
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

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Slice:	A
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Site Details

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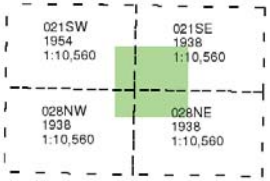
Denbighshire

Published 1938 - 1954

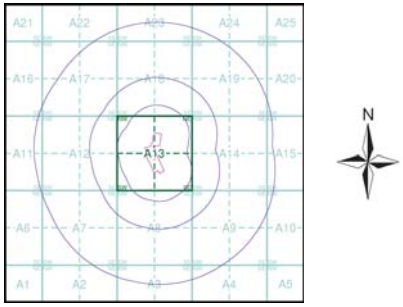
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A



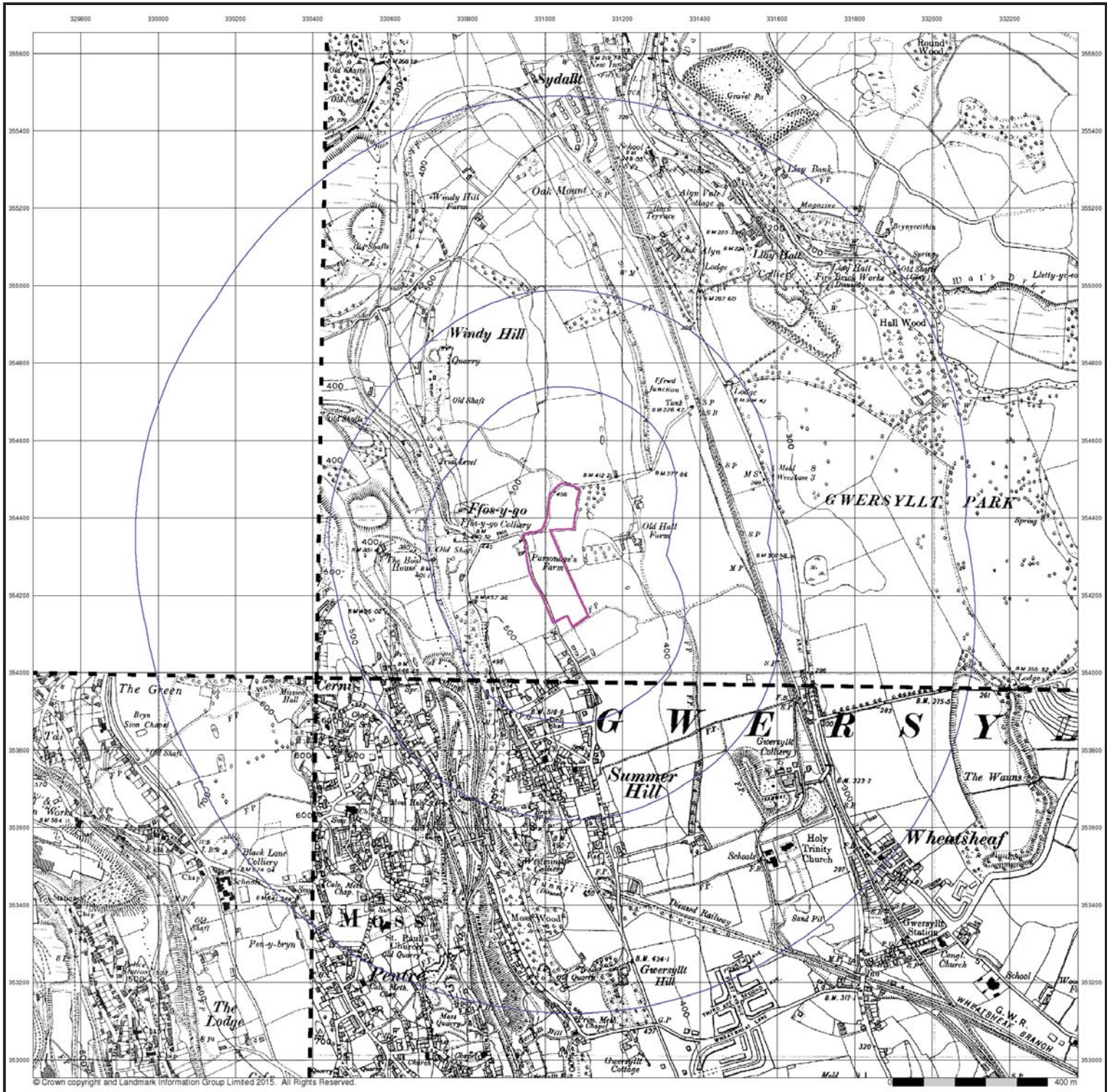
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Site Area (Ha):	2.95
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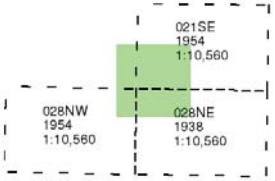
Denbighshire

Published 1938 - 1954

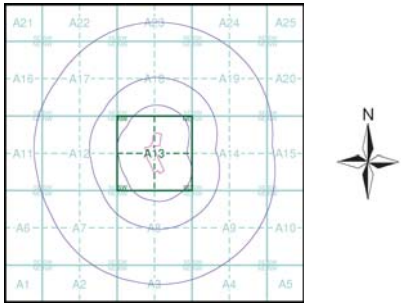
Source map scale - 1:10,560

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Historical Map - Slice A



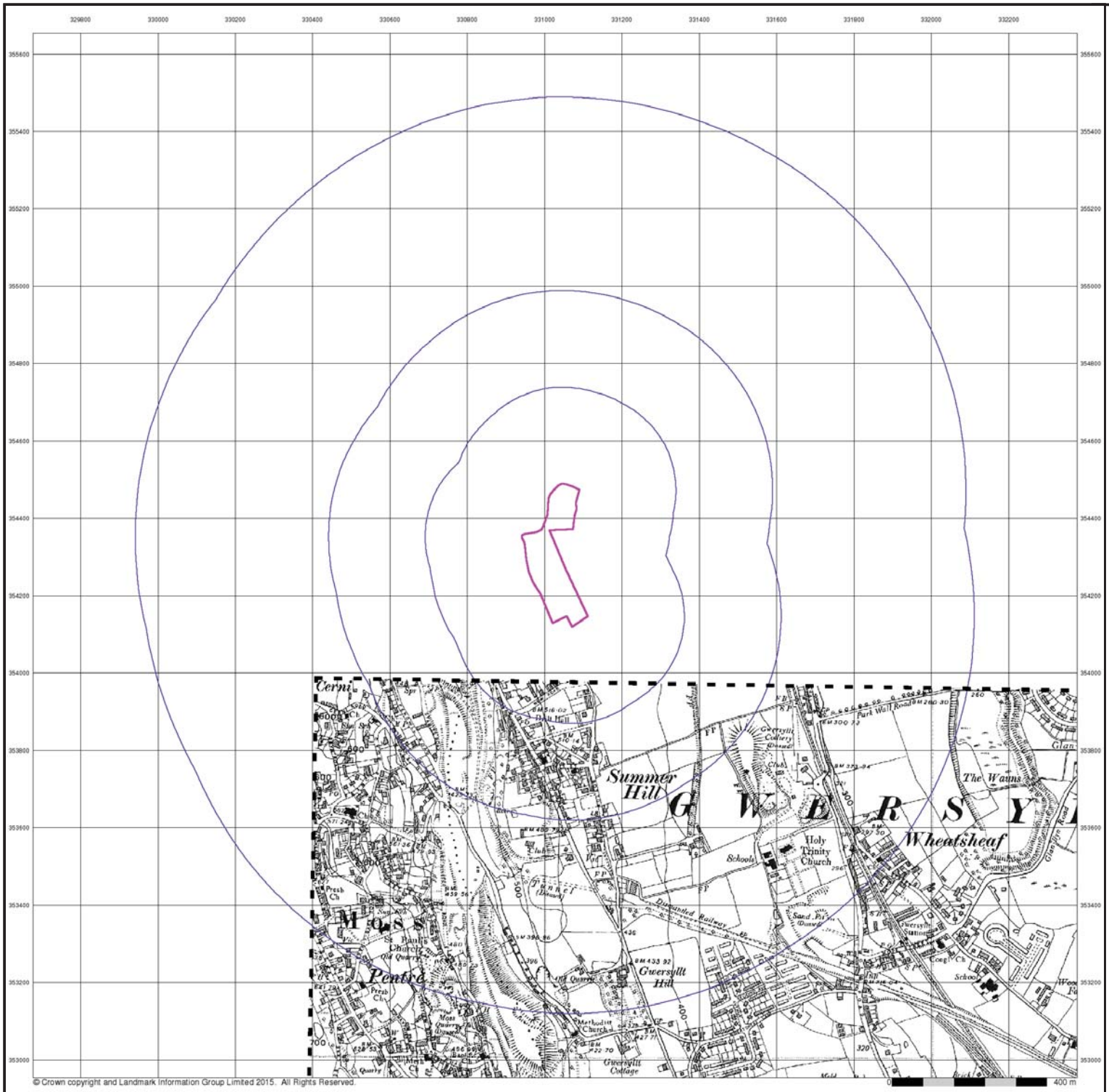
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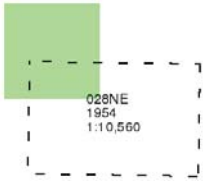
Denbighshire

Published 1954

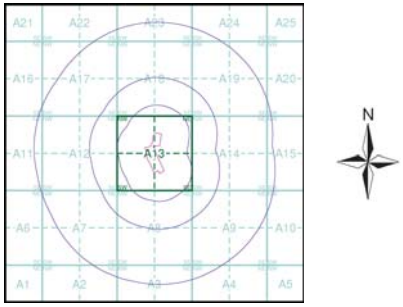
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Map Name(s) and Date(s)



Historical Map - Slice A



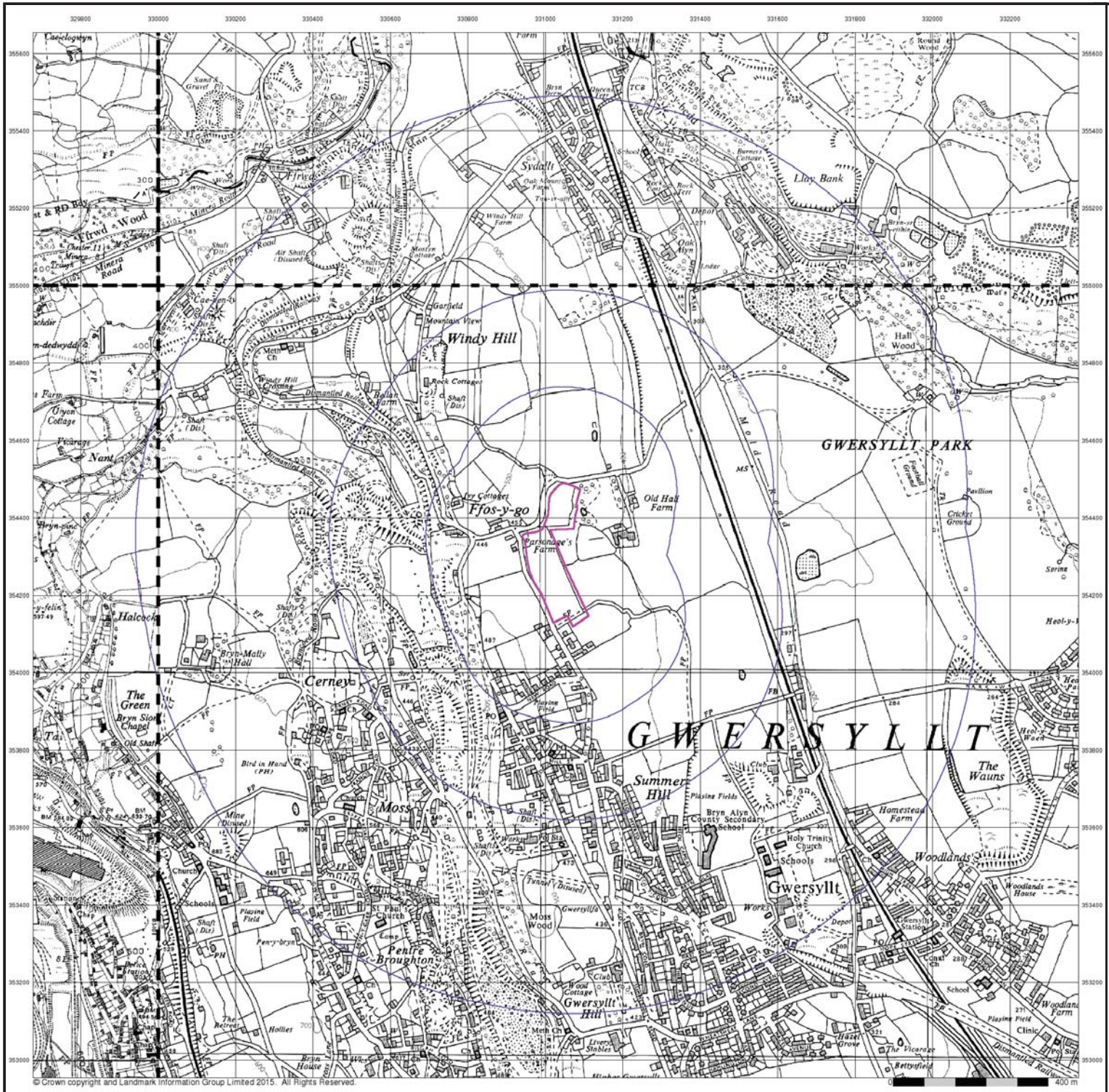
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Ordnance Survey Plan

Published 1963 - 1964

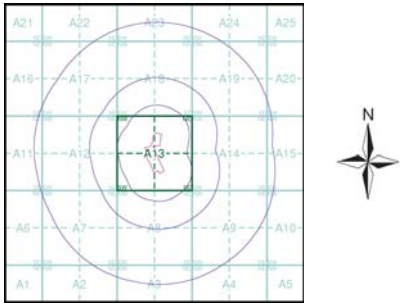
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Map Name(s) and Date(s)

SJ25NE 1963 1:10,560	SJ35NW 1964 1:10,560
SJ25SE 1963 1:10,560	SJ35SW 1964 1:10,560

Historical Map - Slice A



Order Details

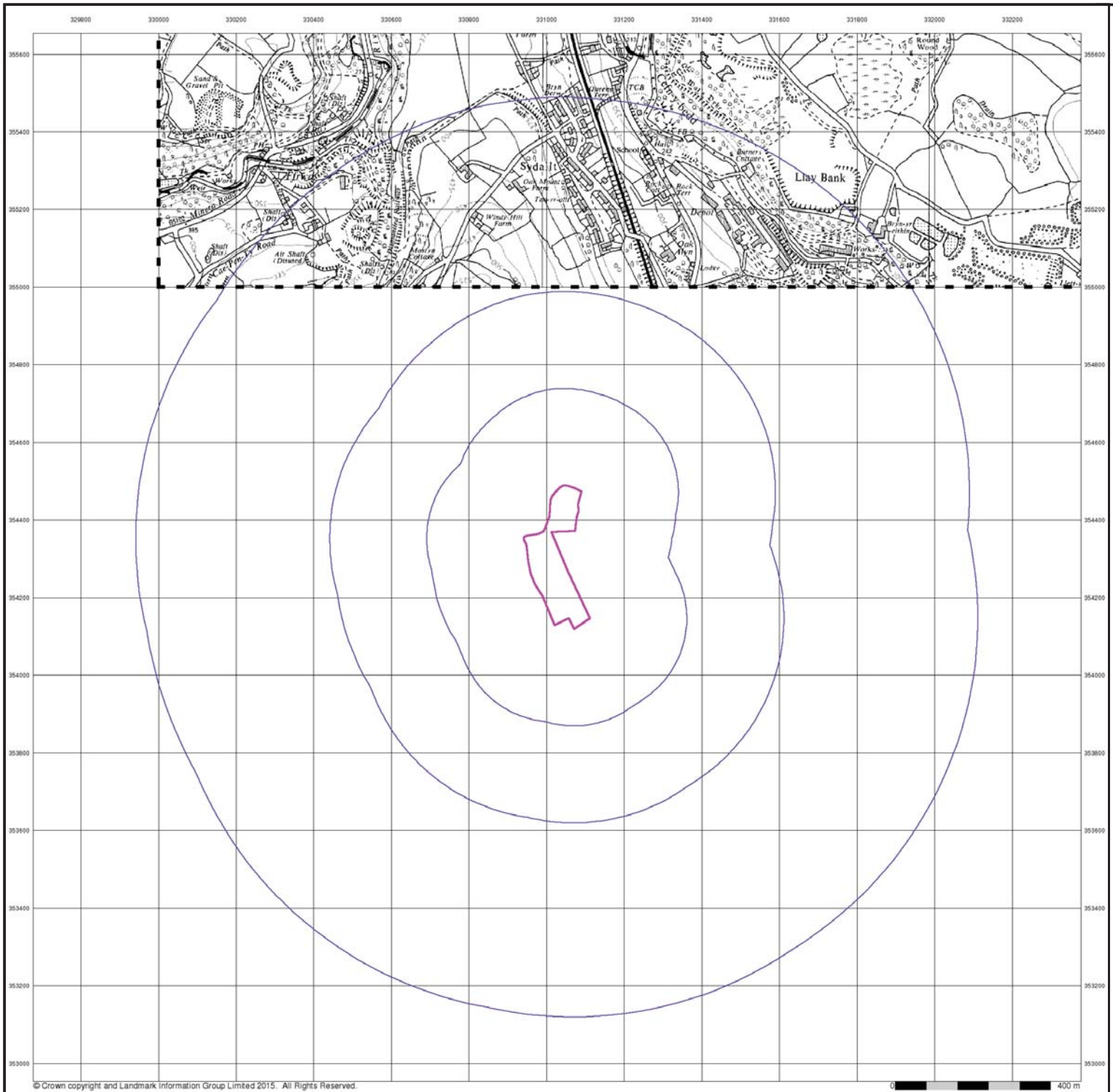
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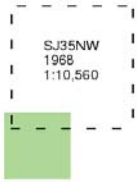
Ordnance Survey Plan

Published 1968

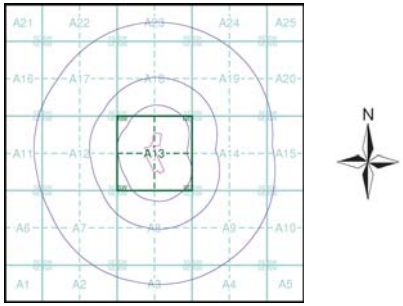
Source map scale - 1:10,000

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



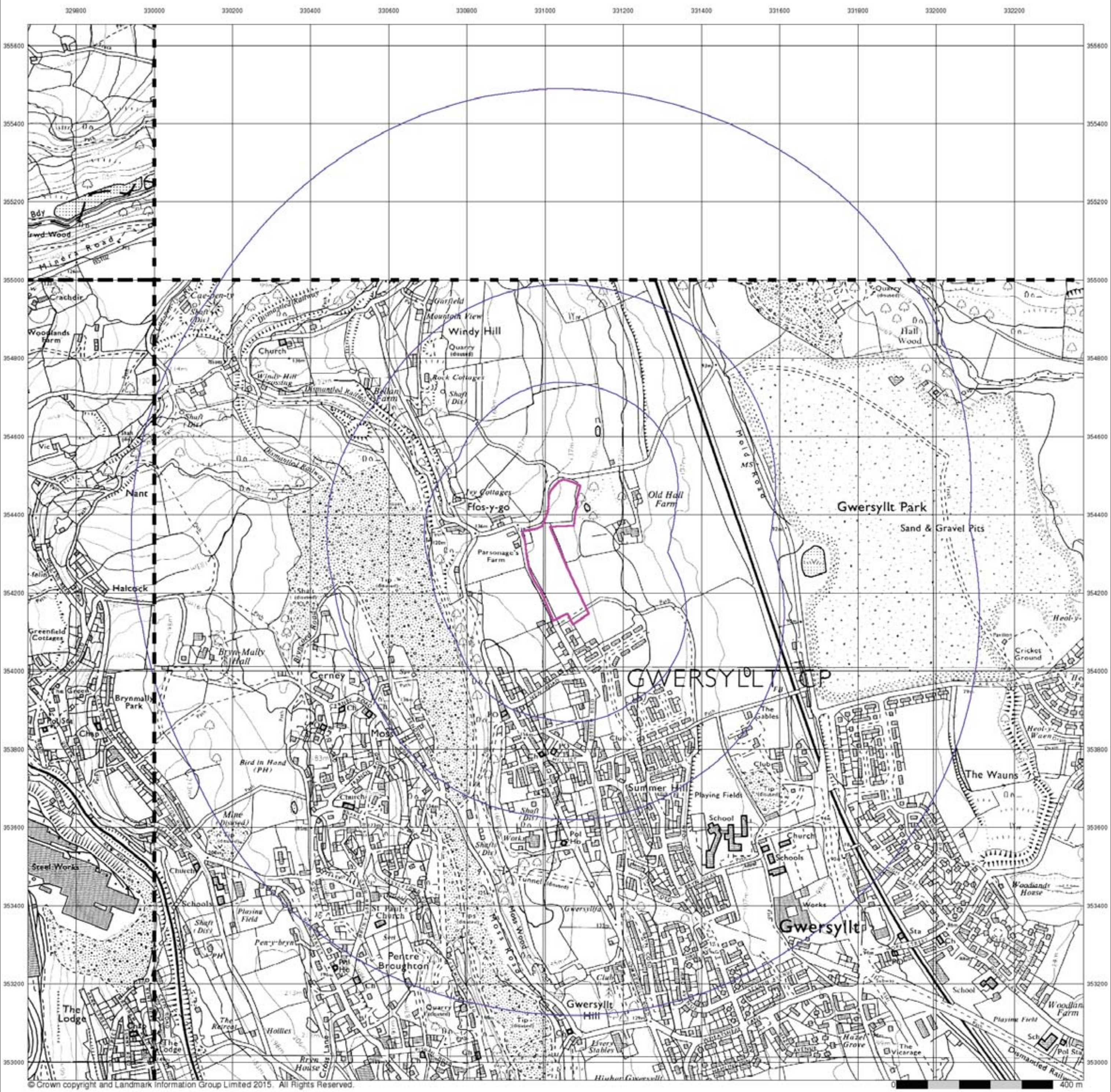
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Order Number:	84701701_1_1
Customer Ref:	48048
National Grid Reference:	331040, 354300
Slice:	A
Site Area (Ha):	2.95
Search Buffer (m):	1000

Site Details

Land east of Bottom Road, Summerhill,
WREXHAM, Clwyd, LL11 4TS

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Ordnance Survey Plan

Published 1974 - 1976

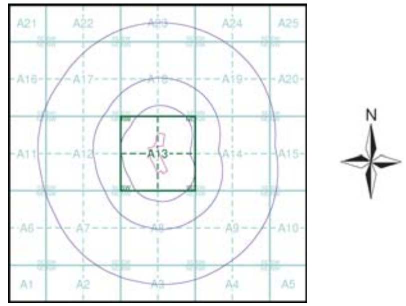
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps.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

SJ25NE 1975 1:10,000
SJ25SE 1976 1:10,000
SJ35SW 1974 1:10,000

Historical Map - Slice A



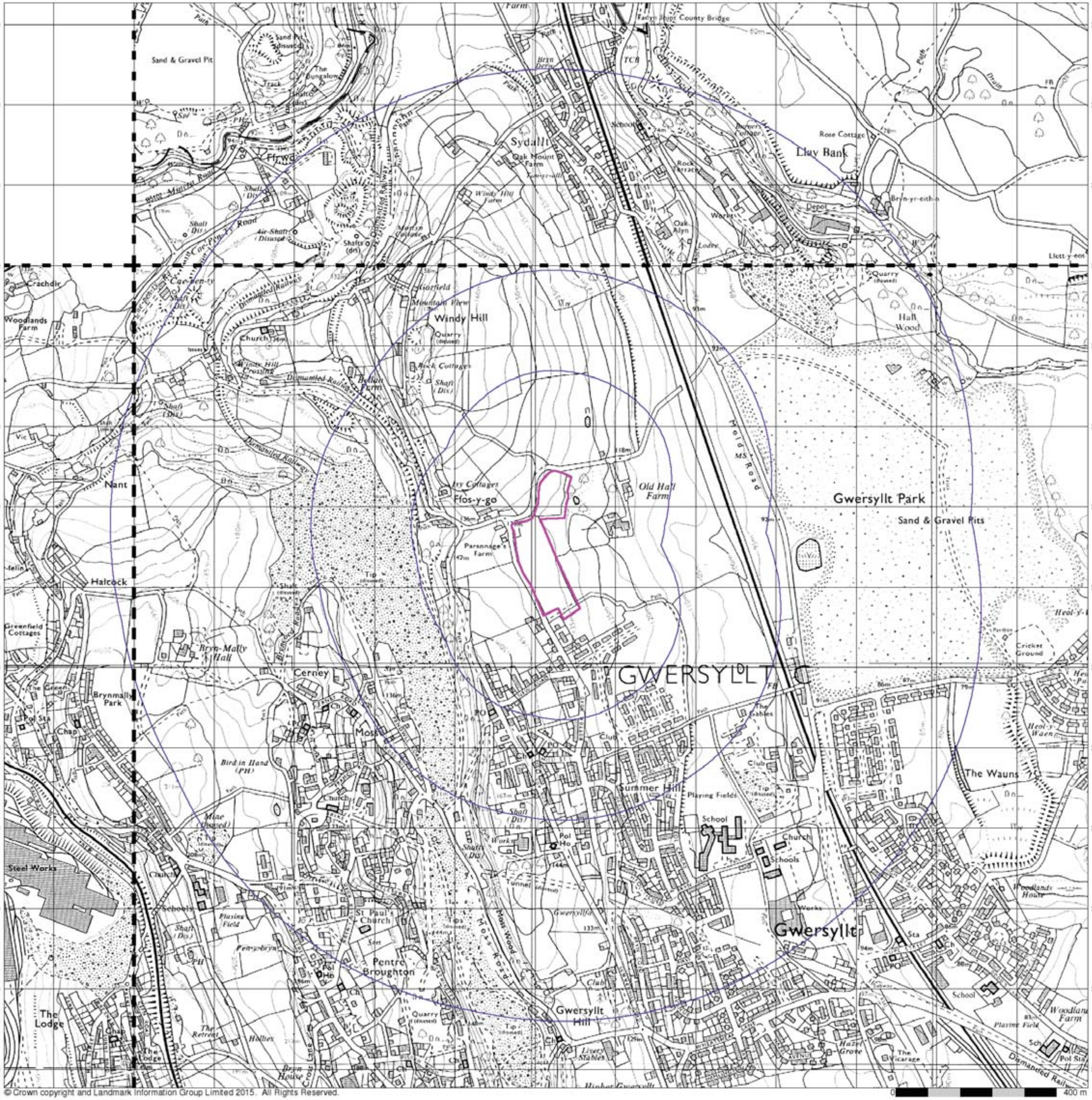
Order Details

Order Number: 84701701_1_1
Customer Ref: 48048
National Grid Reference: 331040, 354300
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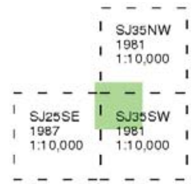
Ordnance Survey Plan

Published 1981 - 1987

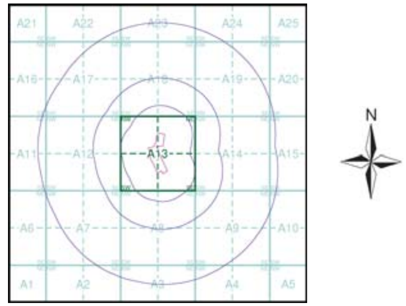
Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

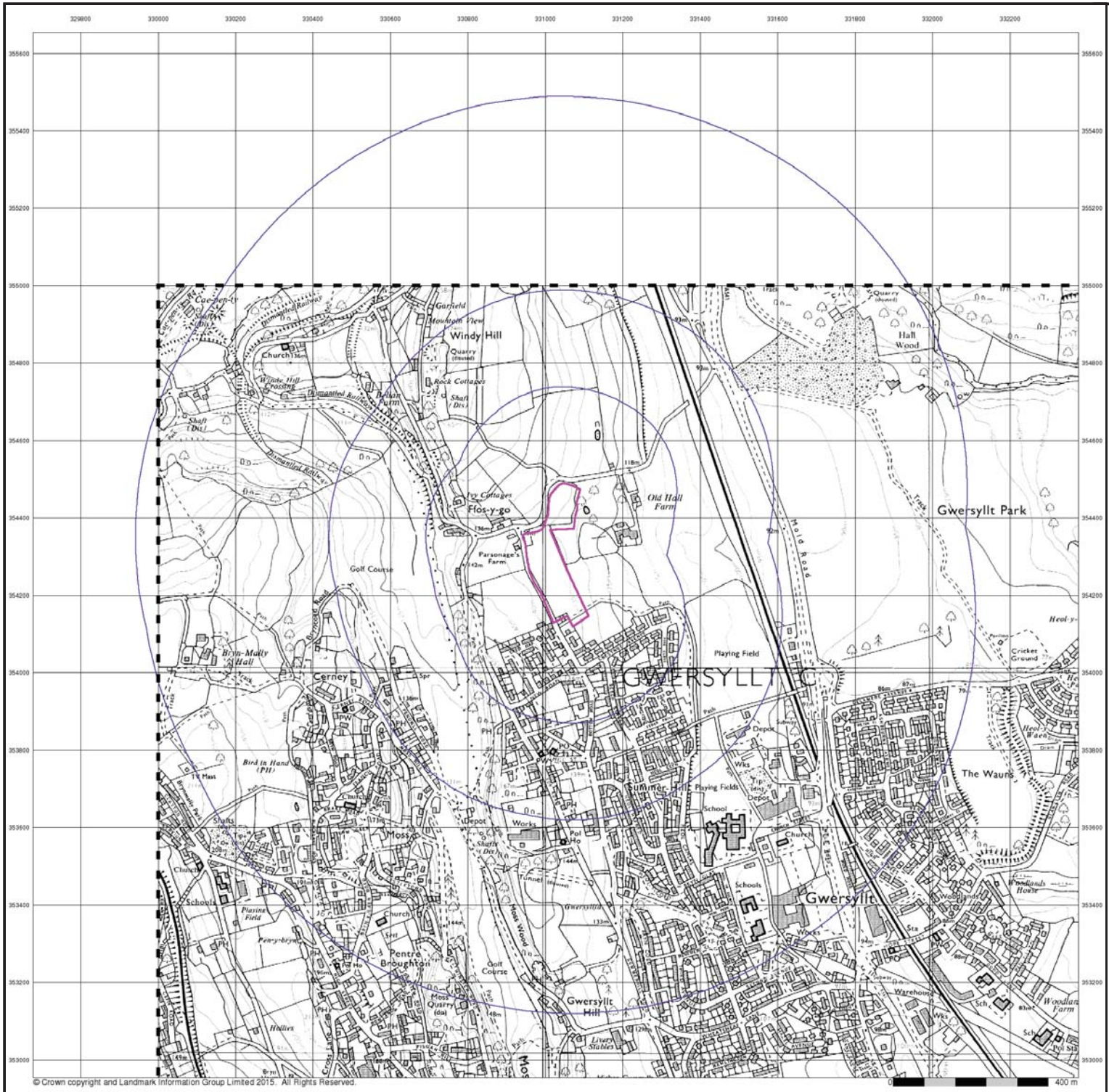
Order Number: 84701701_1_1
Customer Ref: 48048
National Grid Reference: 331040, 354300
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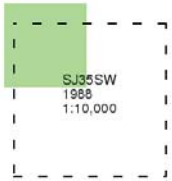
Ordnance Survey Plan

Published 1988

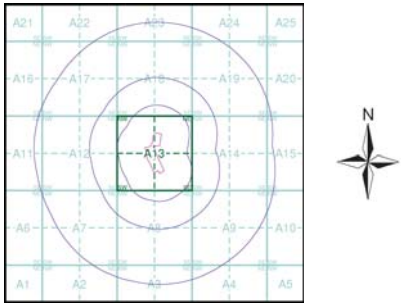
Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice A



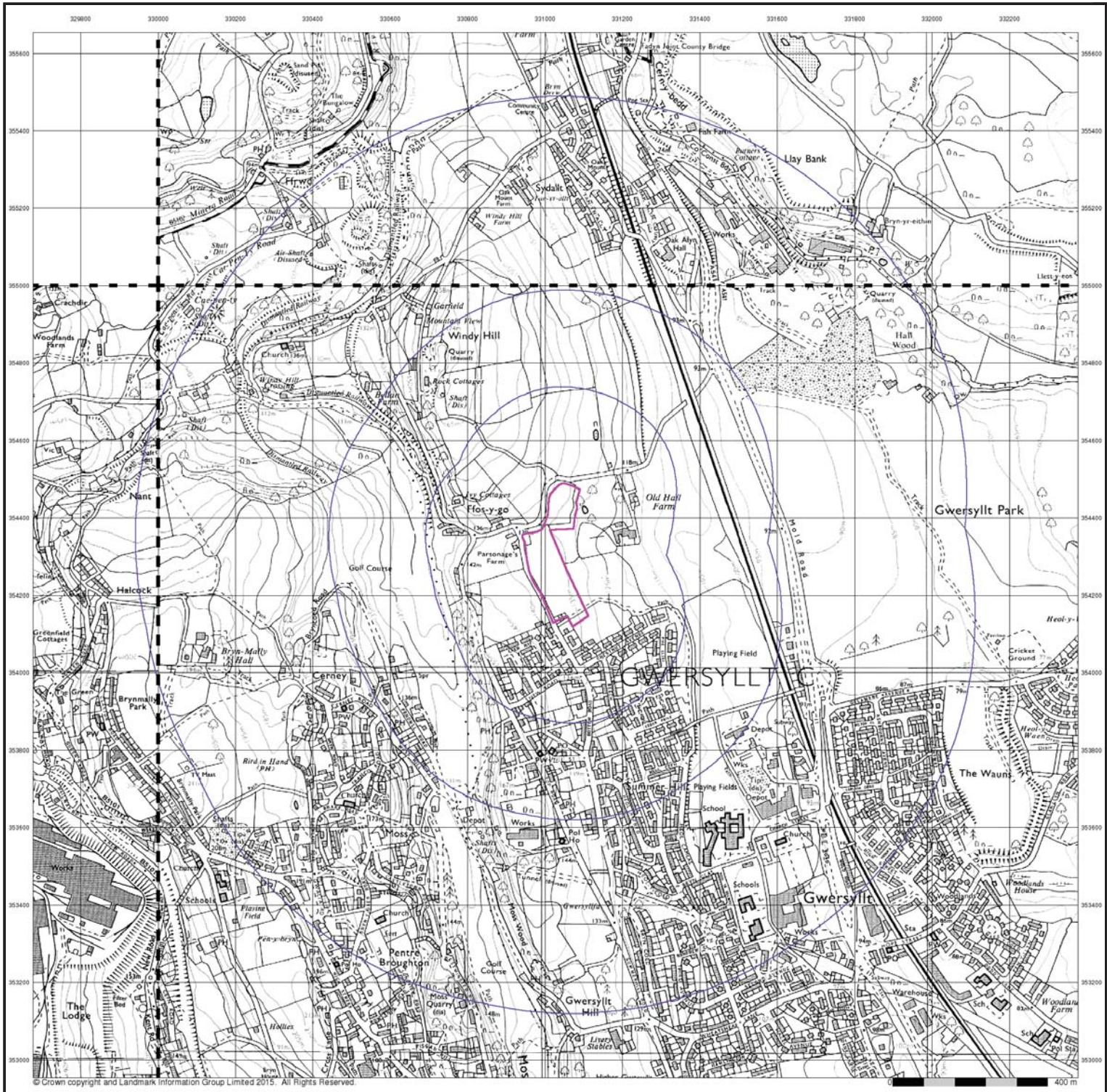
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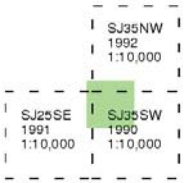
Ordnance Survey Plan

Published 1990 - 1992

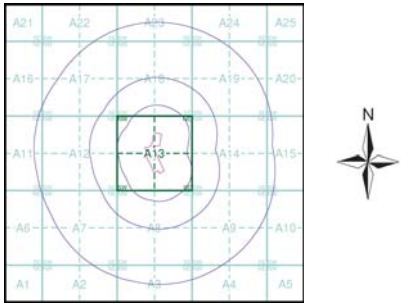
Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice A



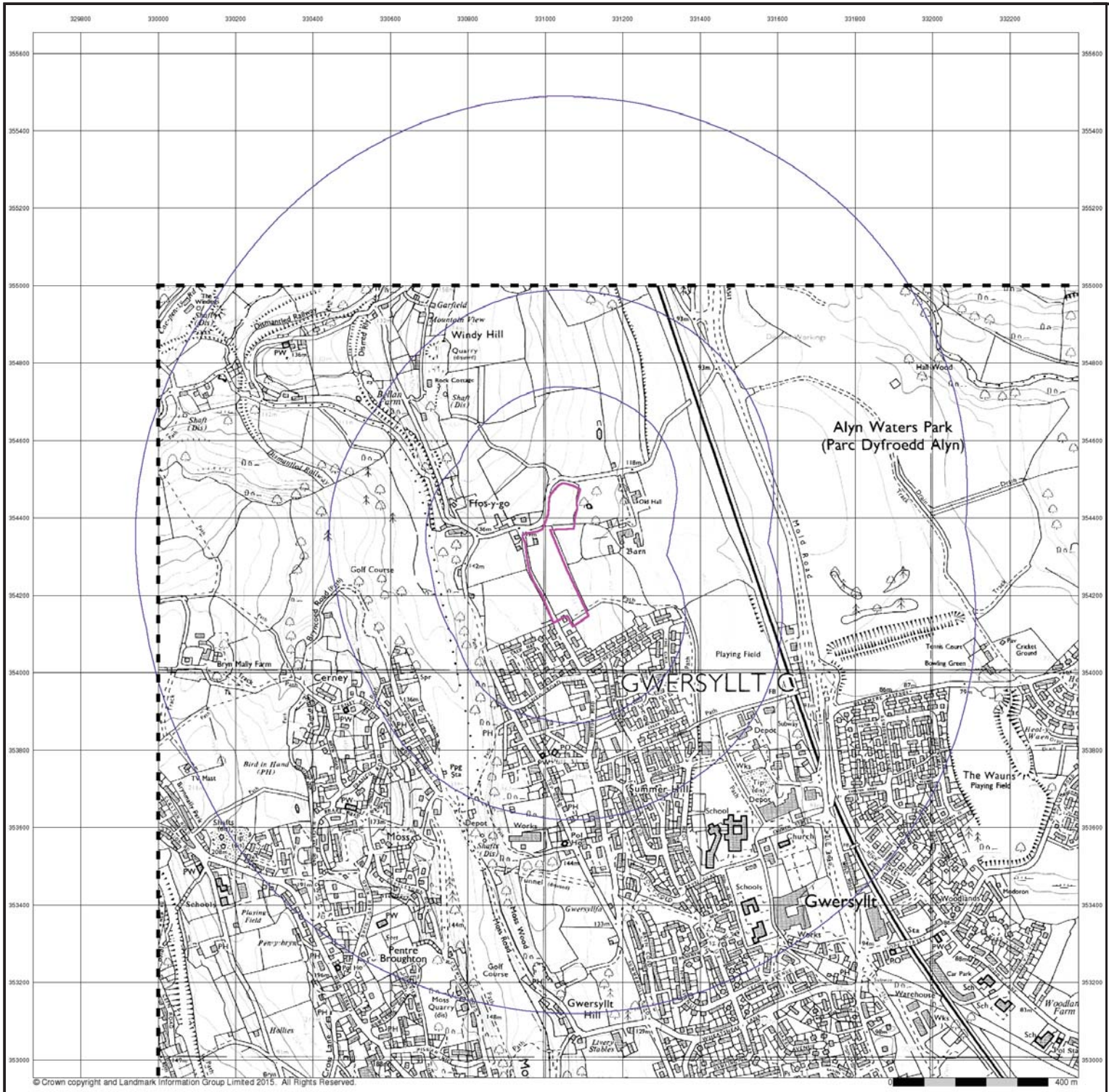
Order Details

Order Number:	84701701_1_1
Customer Ref:	48048
National Grid Reference:	331040, 354300
Slice:	A
Site Area (Ha):	2.95
Search Buffer (m):	1000

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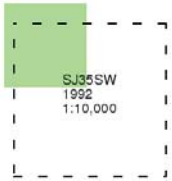
Ordnance Survey Plan

Published 1992

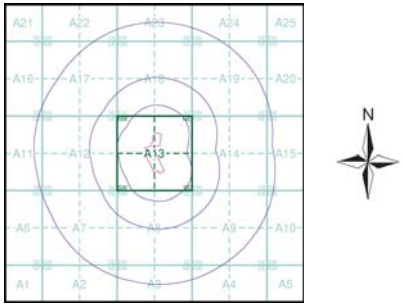
Source map scale - 1:10,000

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:	84701701_1_1
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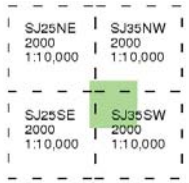
10k Raster Mapping

Published 2000

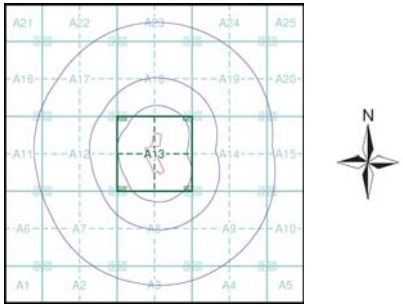
Source map scale - 1:10,000

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:	84701701_1_1
Customer Ref:	48048
National Grid Reference:	331040, 354300
Slice:	A
Site Area (Ha):	2.95
Search Buffer (m):	1000

Site Details

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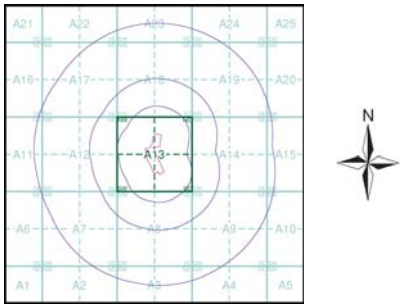
Envirocheck®

Historical Aerial Photography

Published 2001

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

Historical Aerial Photography - Slice A



Order Details

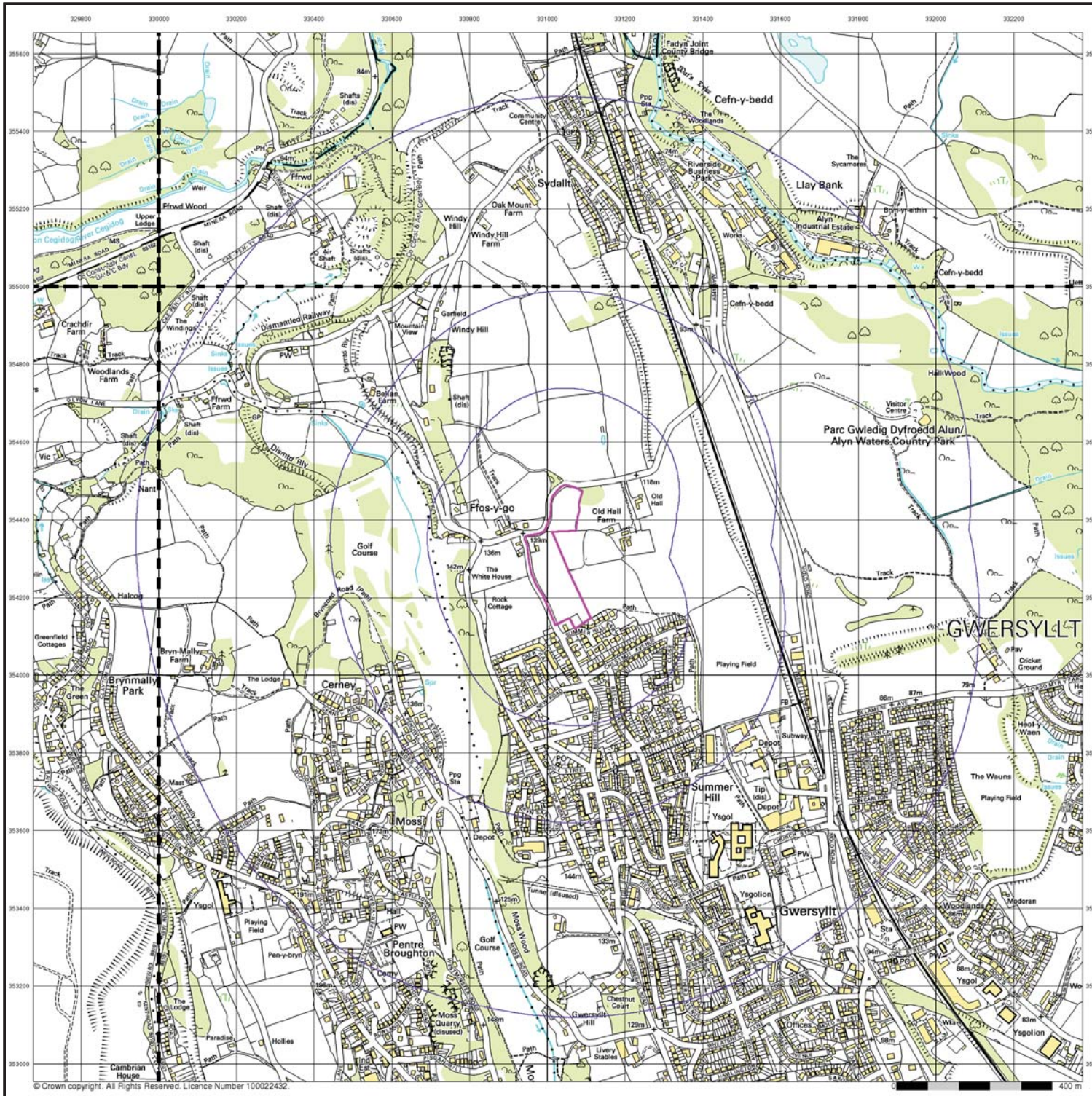
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Customer Ref:	48048
National Grid Reference:	331040, 354300
Slice:	A
Site Area (Ha):	2.95
Search Buffer (m):	1000

Site Details

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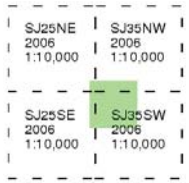
10k Raster Mapping

Published 2006

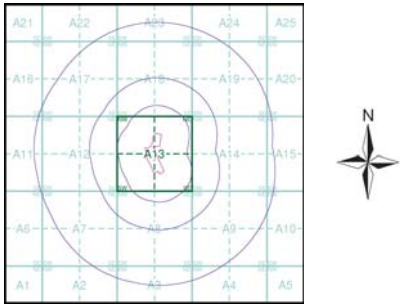
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

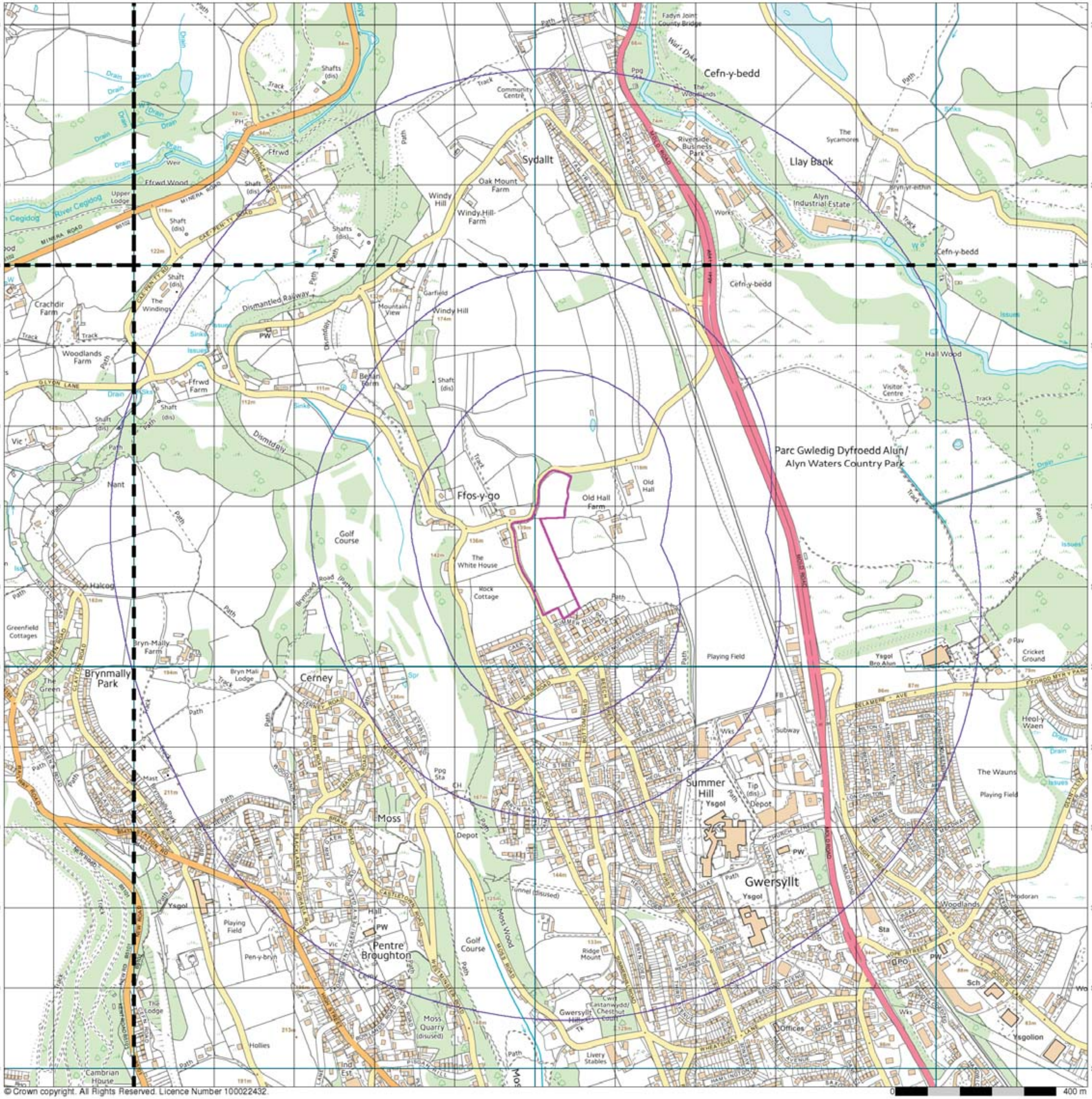
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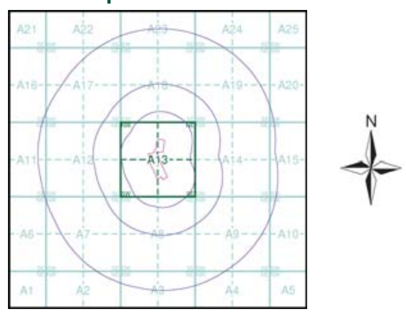
VectorMap Local
Published 2016
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SJ25NE 2016 Variable	SJ35NW 2016 Variable
SJ25SE 2016 Variable	SJ35SW 2016 Variable

Historical Map - Slice A



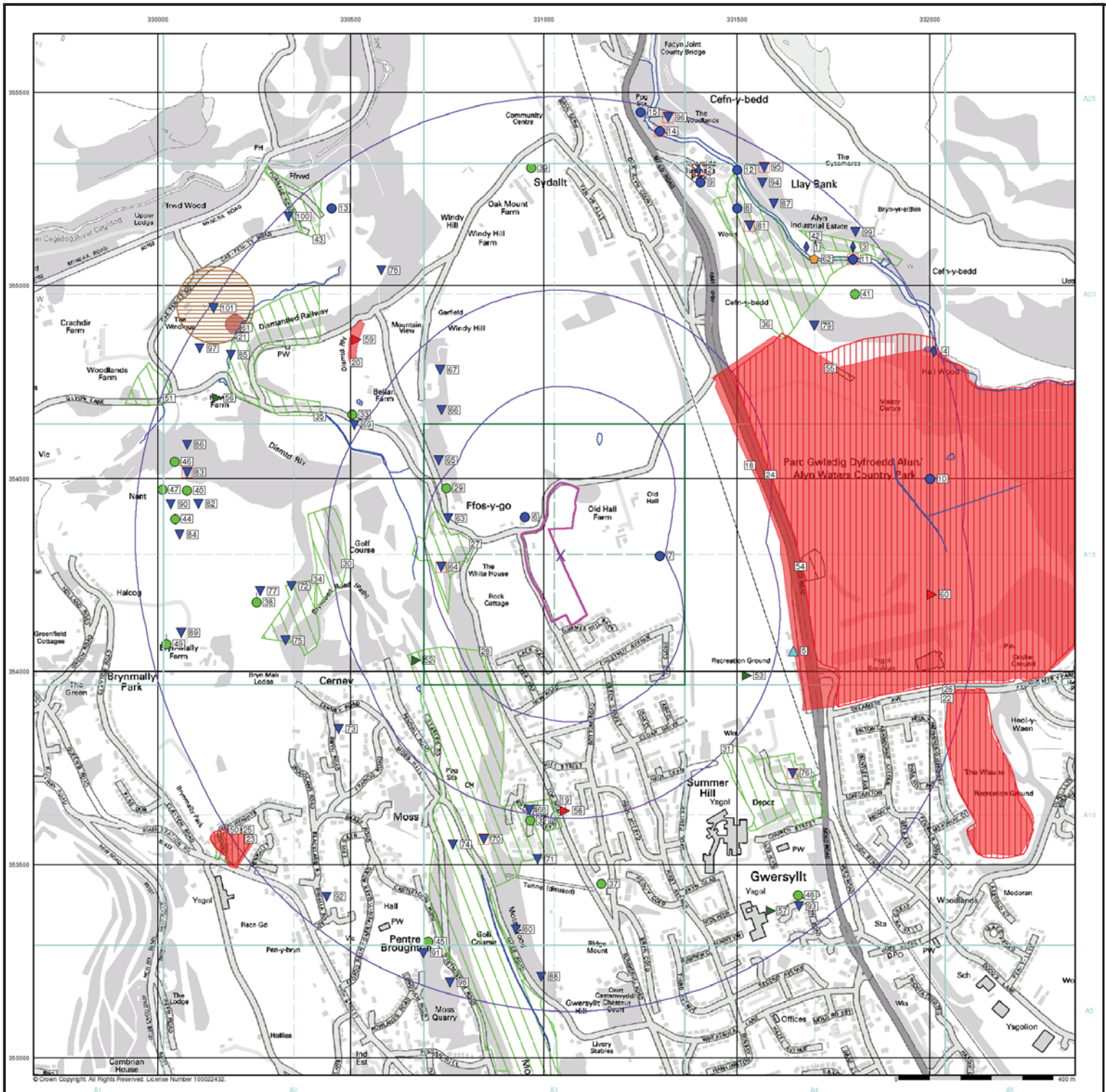
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Site Details

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General

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

Agency and Hydrological

- 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
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Waste

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

Hazardous Substances

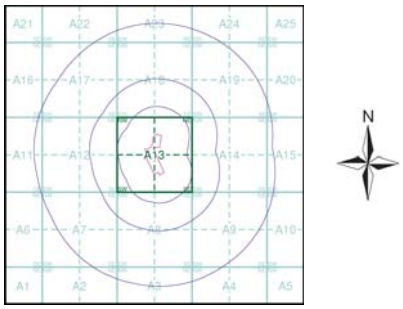
- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Geological

- BGS Recorded Mineral Site

Land east of Bottom Road, Summerhill, WREXHAM, Clwyd, LL11 4TS

Site Sensitivity Map - Slice A



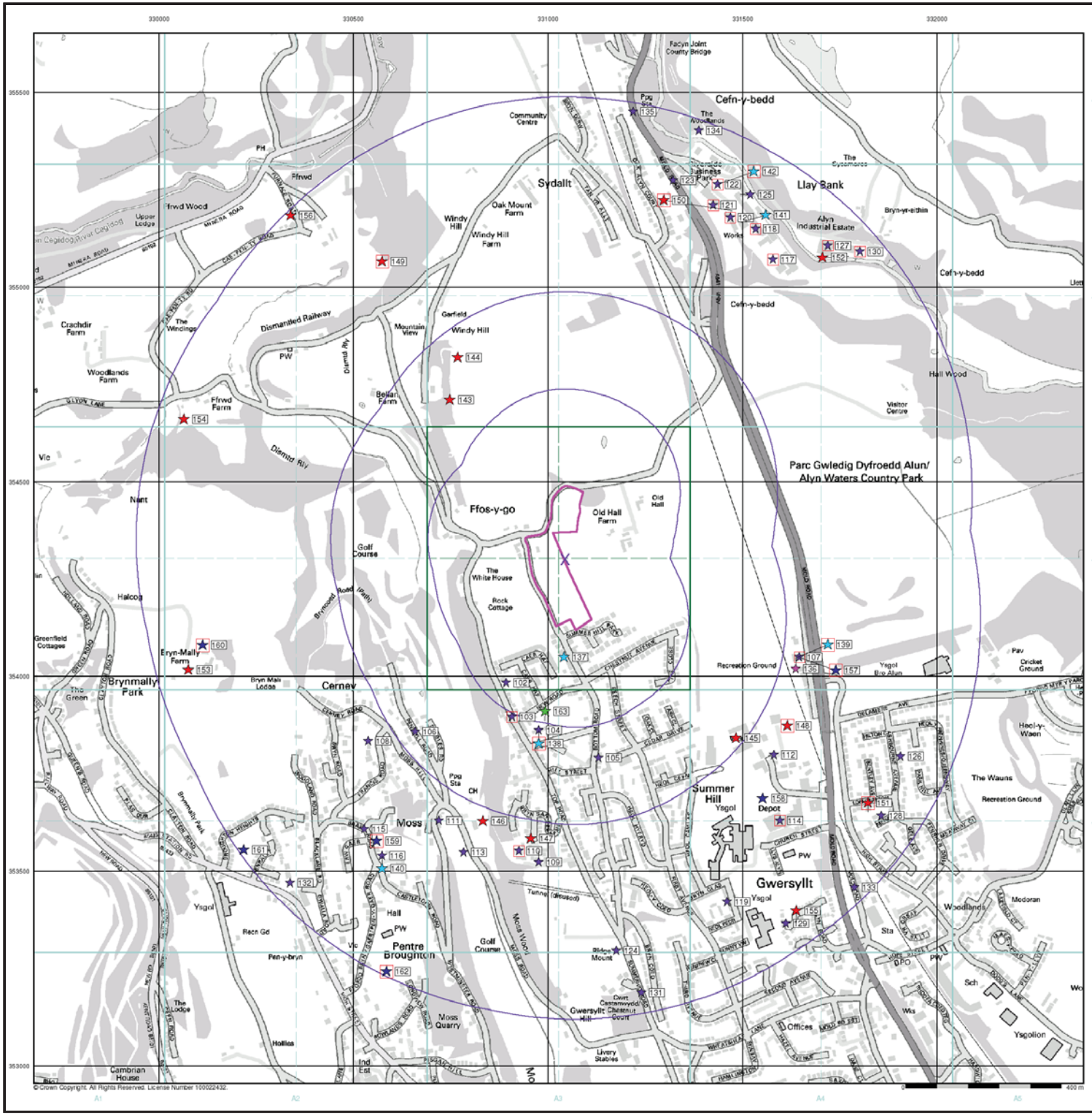
Order Details

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Industrial Land Use Map

General

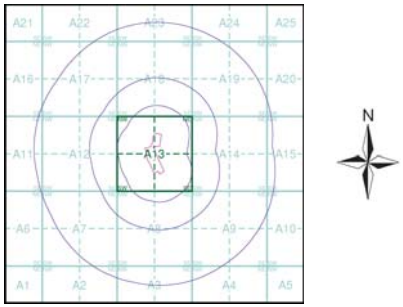
Specified Site | Specified Buffer(s) | Bearing Reference Point

Slice | Map ID

Industrial Land Use

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

Industrial Land Use Map - Slice A



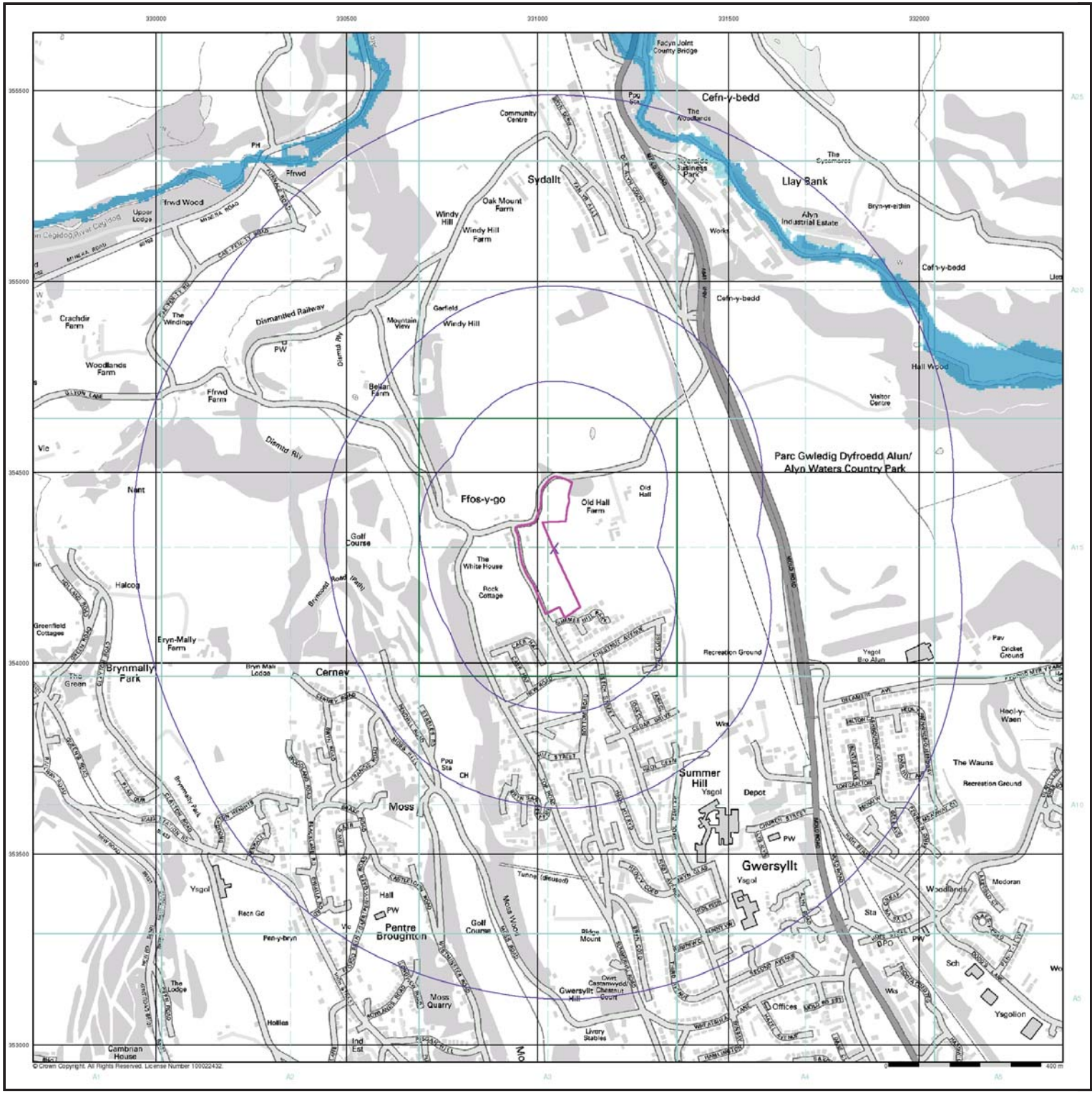
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Fax: 0844 844 9951
Web: www.envirocheck.co.uk



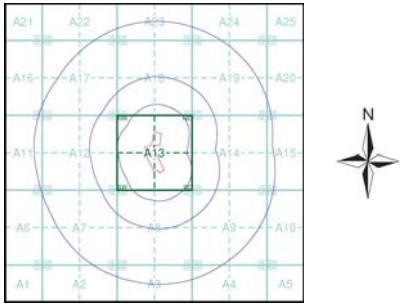
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A



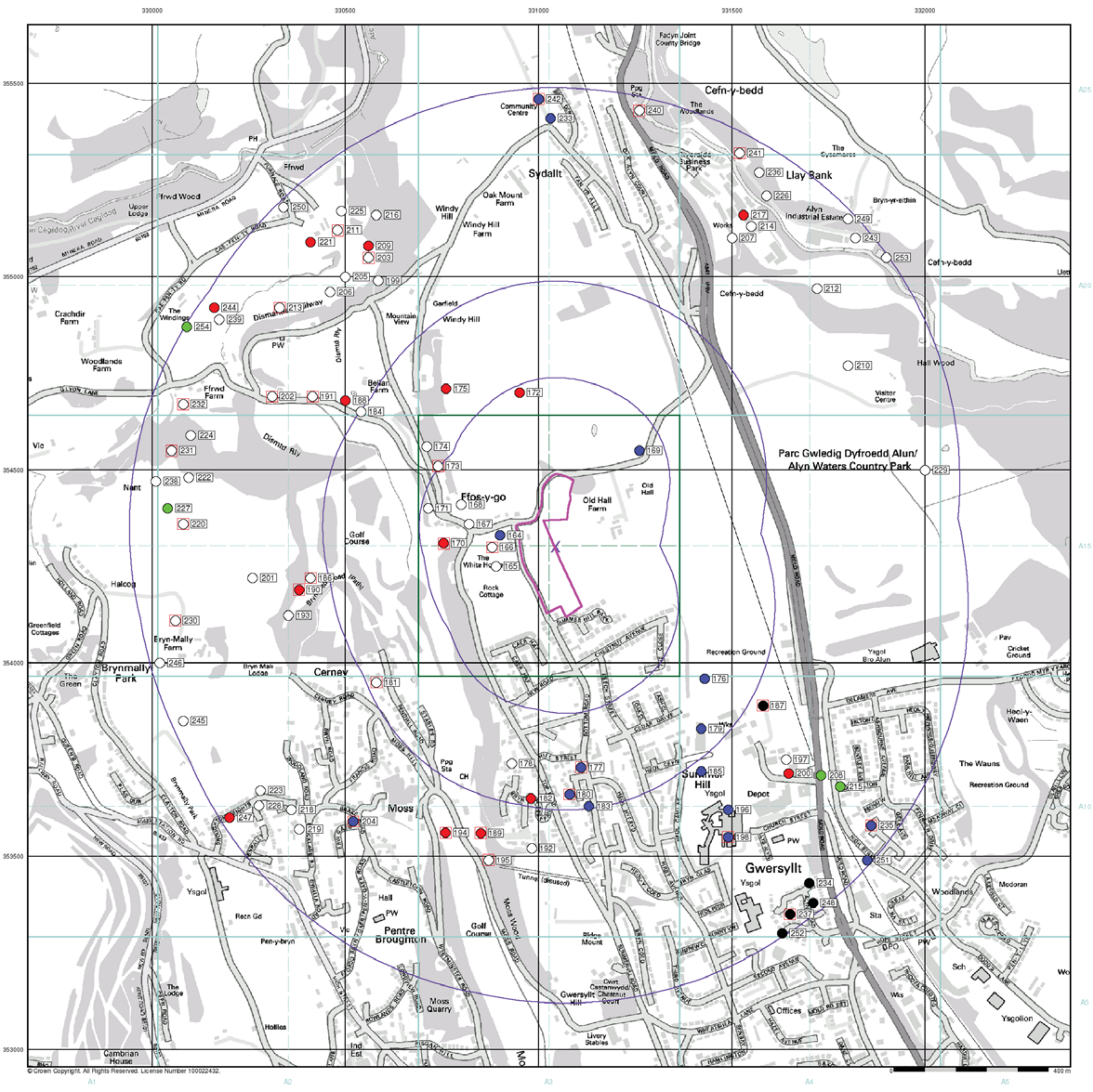
Order Details

Order Number:	84701701_1_1
Customer Ref:	48048
National Grid Reference:	331040, 354300
Slice:	A
Site Area (Ha):	2.95
Search Buffer (m):	1000

Site Details

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General

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

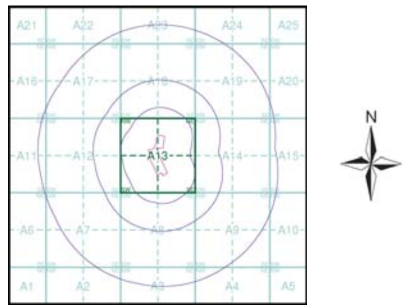
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A



Order Details

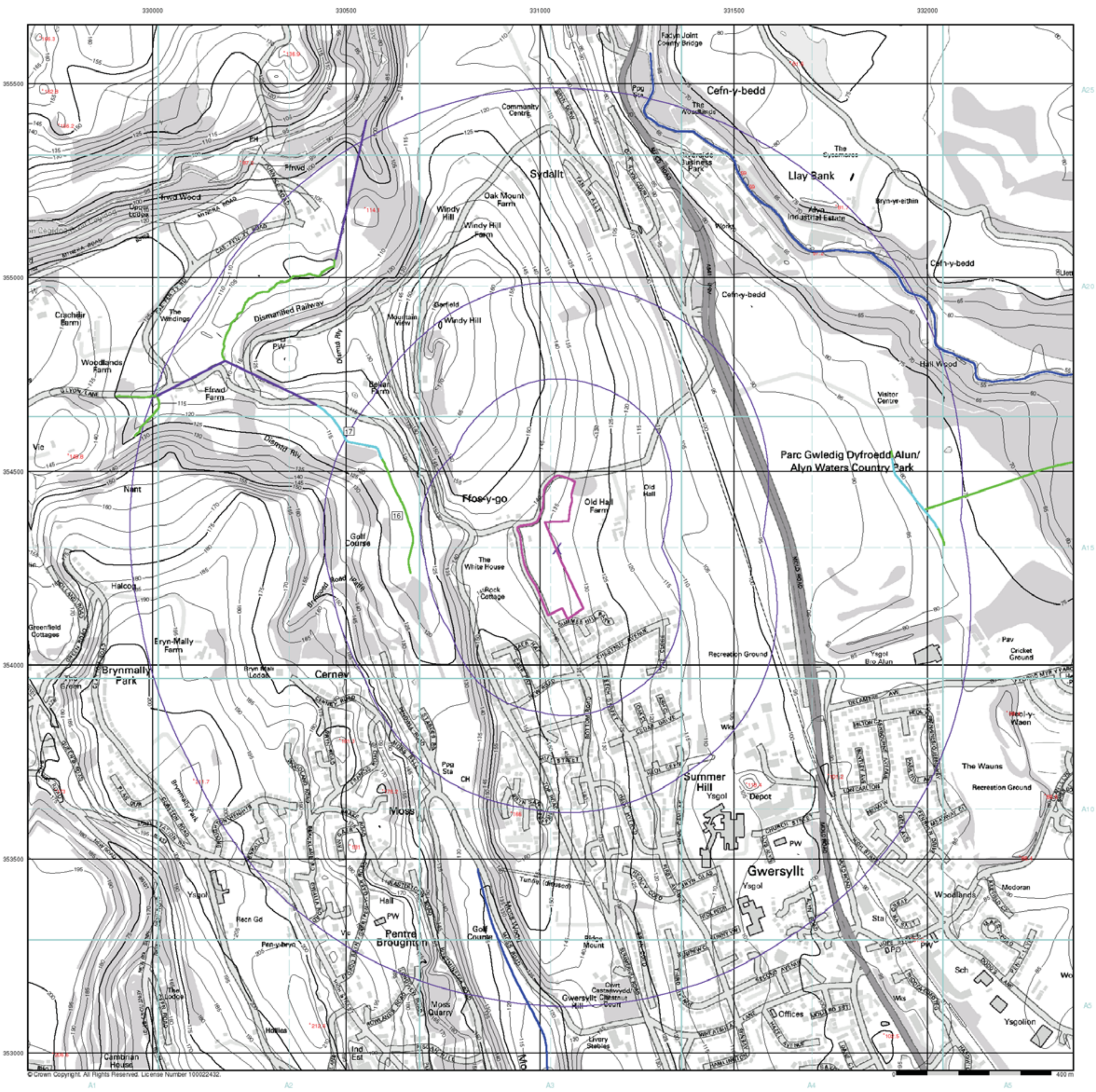
Order Number:	84701701_1_1
Customer Ref:	48048
National Grid Reference:	331040, 354300
Slice:	A
Site Area (Ha):	2.95
Search Buffer (m):	1000

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General

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

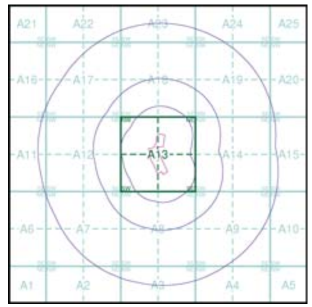
Detailed River Network Data

- Primary River
- Secondary River
- Tertiary River
- Canal
- Canal Tunnel
- Undefined River
- Lake/Reservoir
- Offline Drainage Feature
- Extended Culvert (greater than 50m)
- Underground River (inferred)
- Underground River (local knowledge)
- Downstream of High Water Mark
- Downstream of Seaward Extension
- Not assigned River feature

Contours (height in metres)

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

EA/NRW Detailed River Network Map - Slice A



Order Details

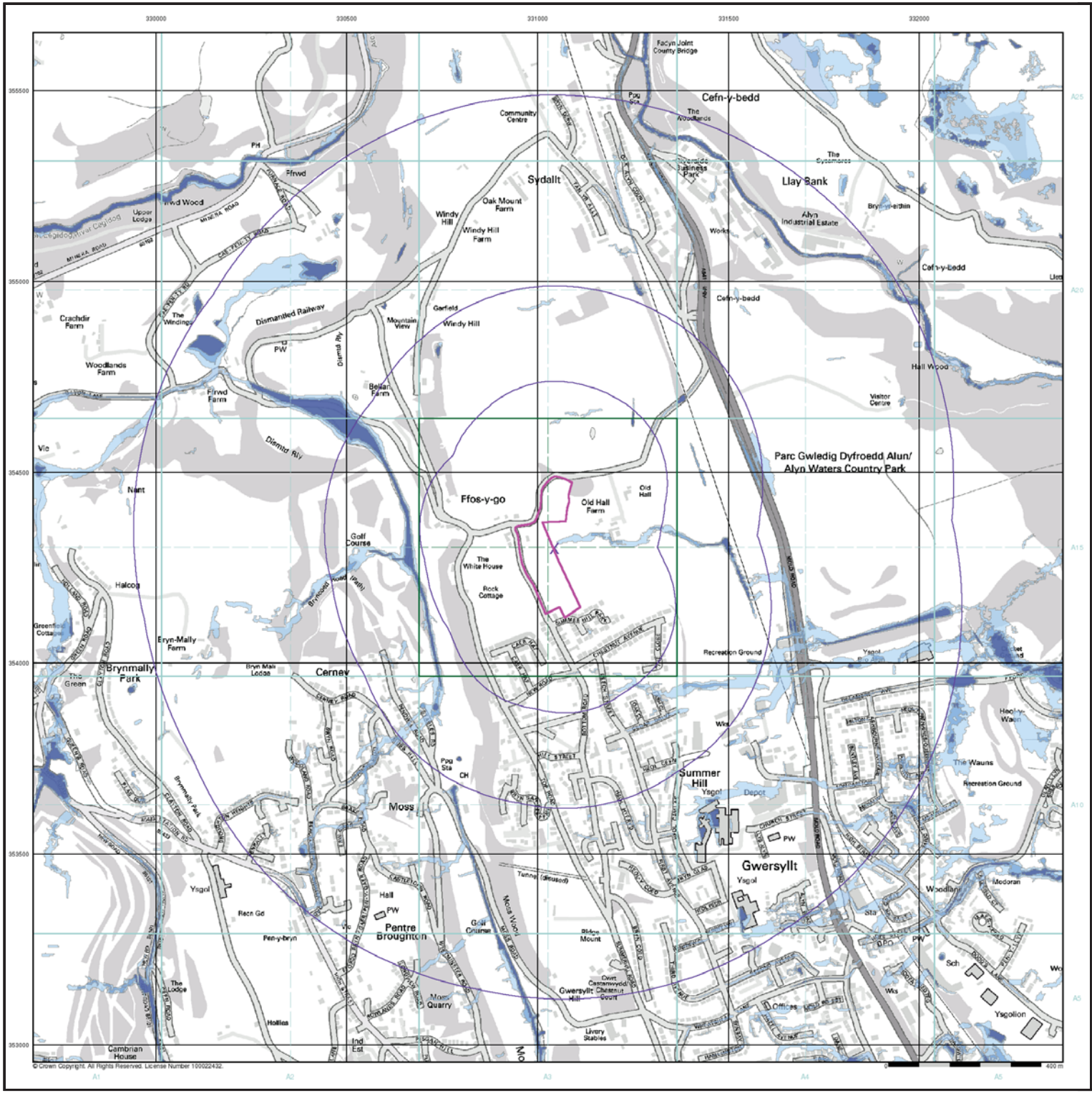
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Customer Ref: 48048
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Slice: A
Site Area (Ha): 2.95
Search Buffer (m): 1000

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

Risk of Flooding from Surface Water

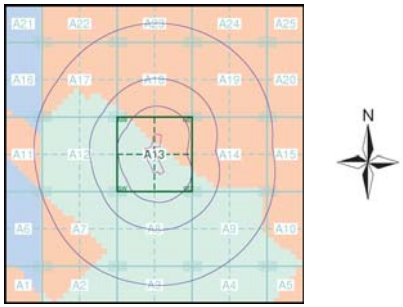
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

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

EA/NRW Suitability Map - Slice A



Order Details

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Site Details

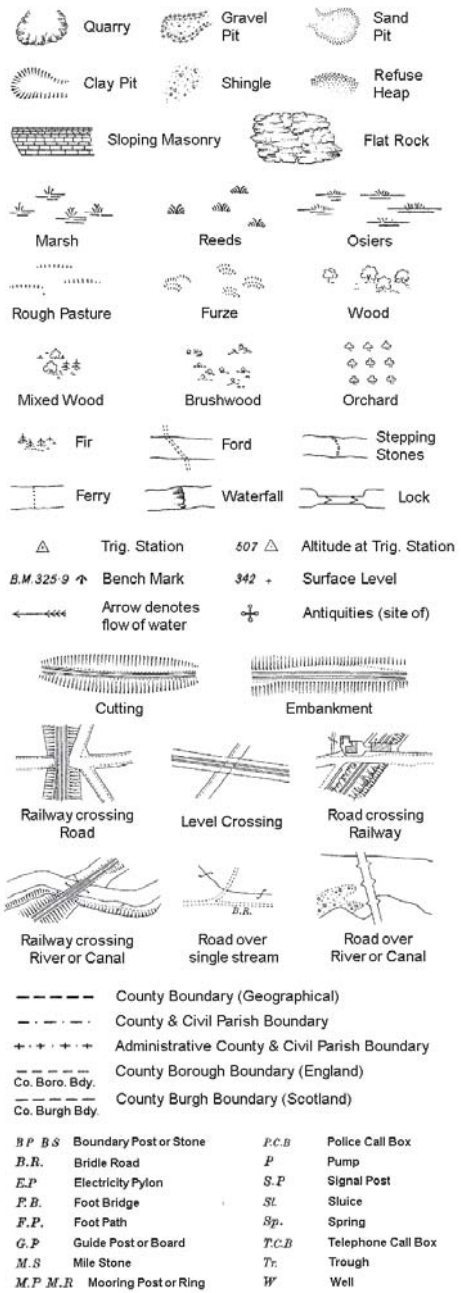
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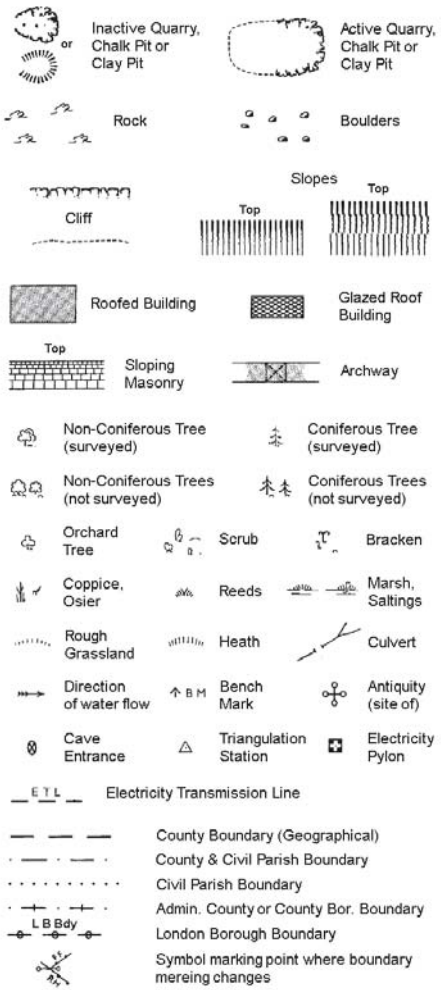
Historical Mapping Legends

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



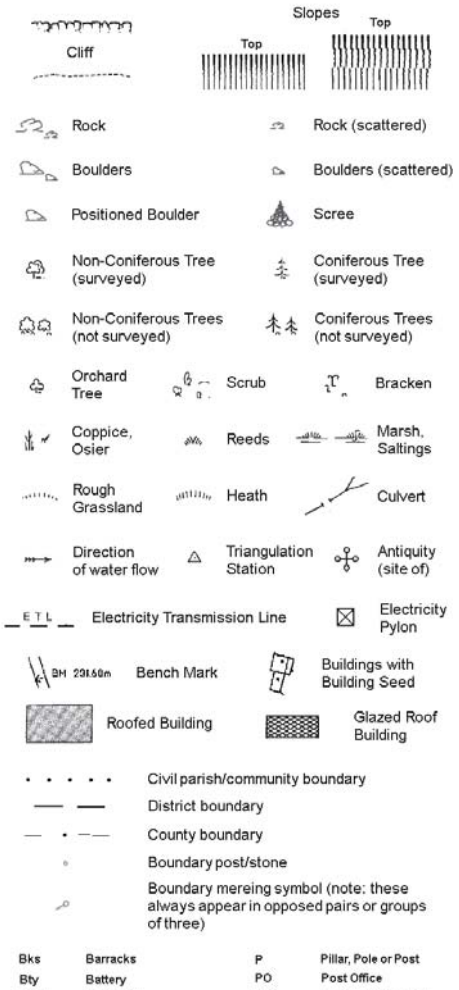
B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

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



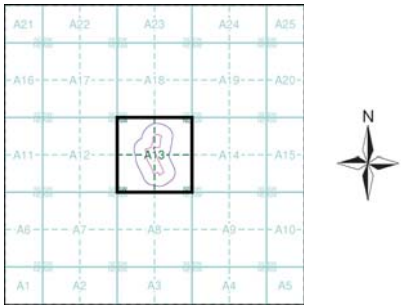
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity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

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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Flintshire	1:2,500	1871	2
Denbighshire	1:2,500	1873 - 1879	3
Flintshire	1:2,500	1899	4
Denbighshire	1:2,500	1899 - 1900	5
Denbighshire	1:2,500	1912	6
Denbighshire	1:2,500	1939	7
Ordnance Survey Plan	1:2,500	1962	8
Additional SIMs	1:2,500	1962 - 1984	9
Ordnance Survey Plan	1:2,500	1970	10
Supply of Unpublished Survey Information	1:2,500	1973	11
Ordnance Survey Plan	1:2,500	1976	12
Additional SIMs	1:2,500	1985 - 1990	13
Ordnance Survey Plan	1:2,500	1986	14
Additional SIMs	1:2,500	1990	15
Large-Scale National Grid Data	1:2,500	1993	16
Large-Scale National Grid Data	1:2,500	1995	17
Large-Scale National Grid Data	1:2,500	1996	18

Historical Map - Segment A13



Order Details

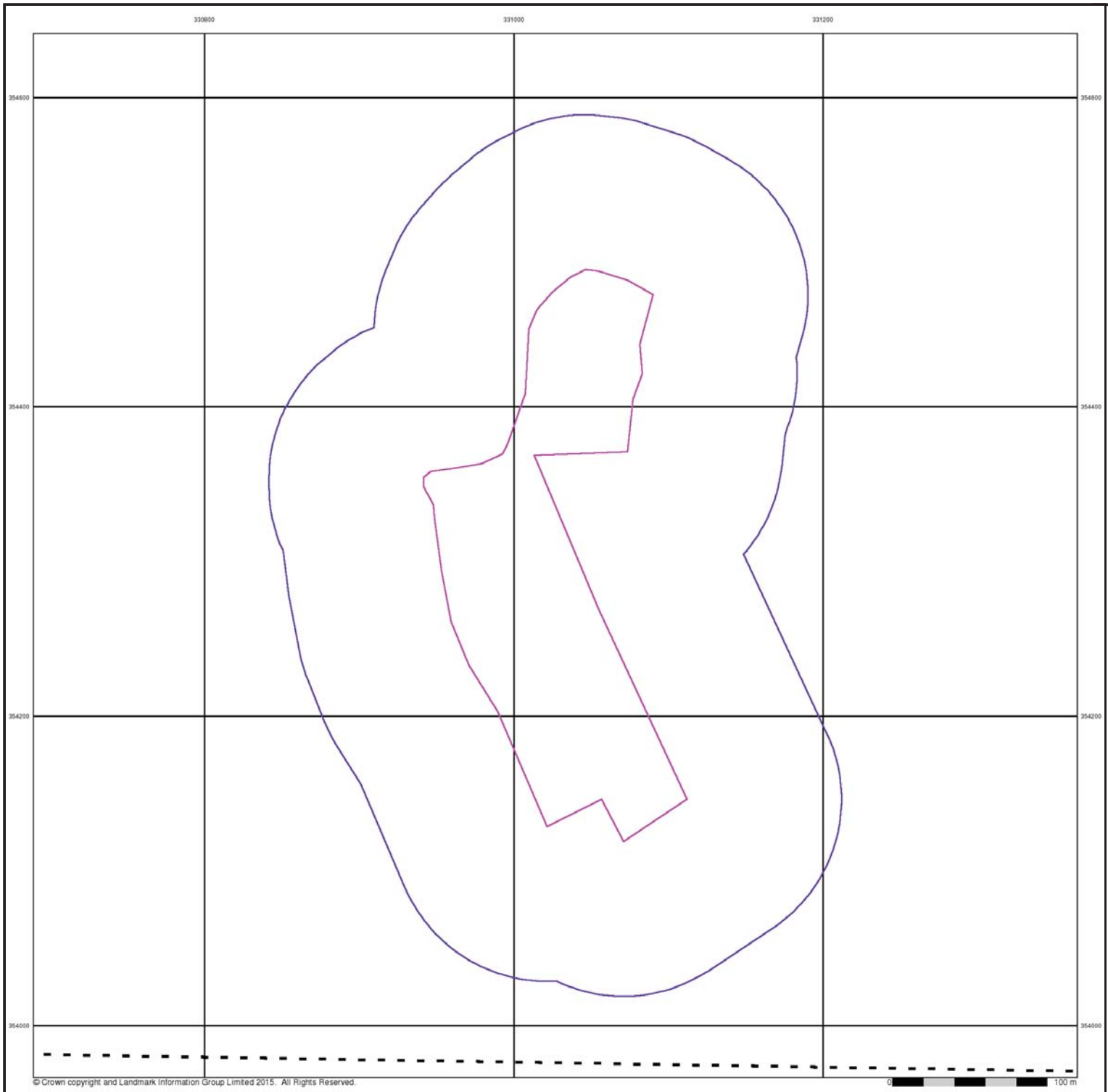
Order Number:	84701701_1_1
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Site Details

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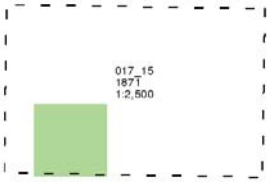
Flintshire

Published 1871

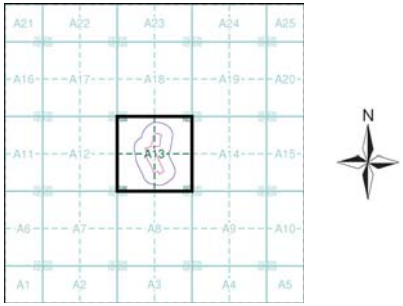
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



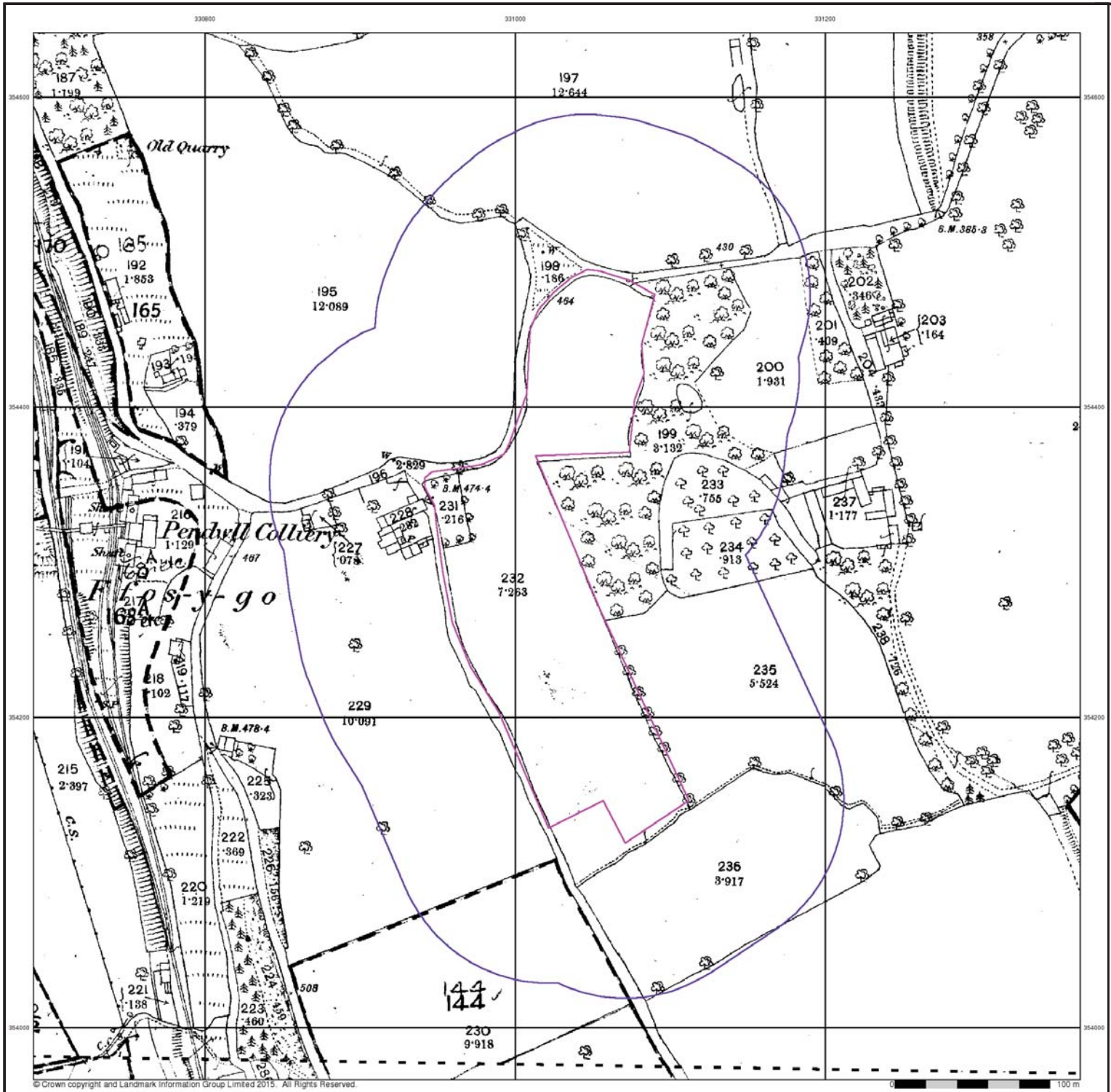
Order Details

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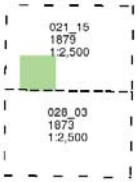
Denbighshire

Published 1873 - 1879

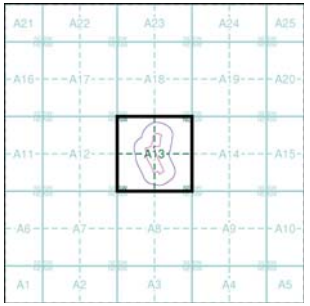
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13



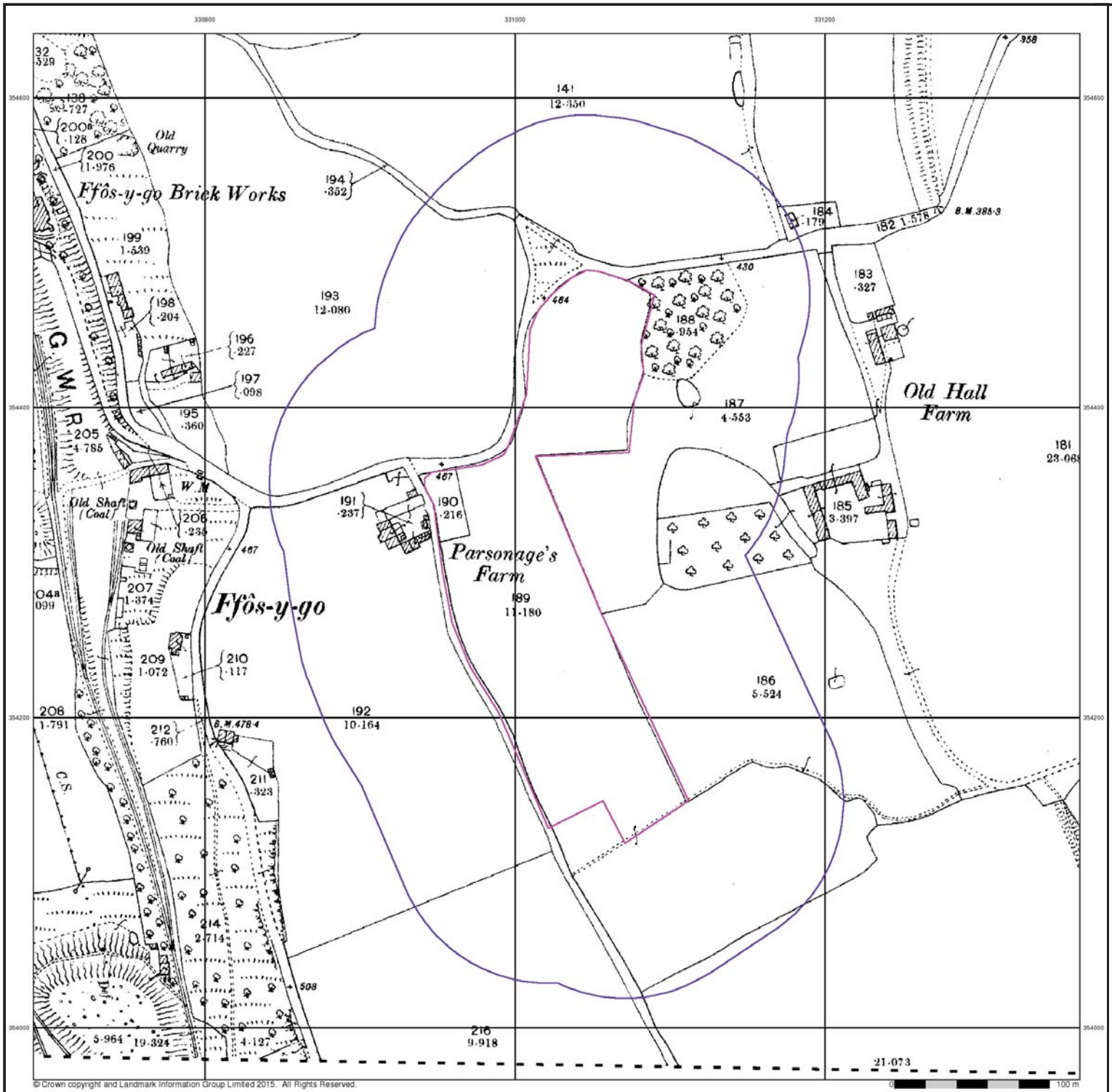
Order Details

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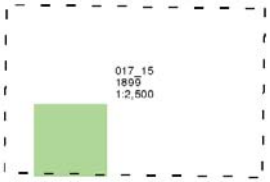
Flintshire

Published 1899

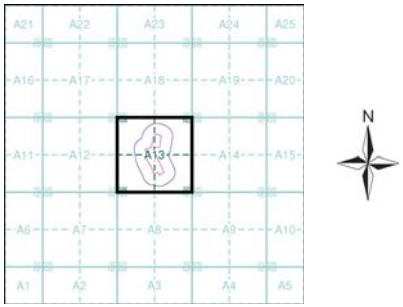
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered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

Map Name(s) and Date(s)



Historical Map - Segment A13



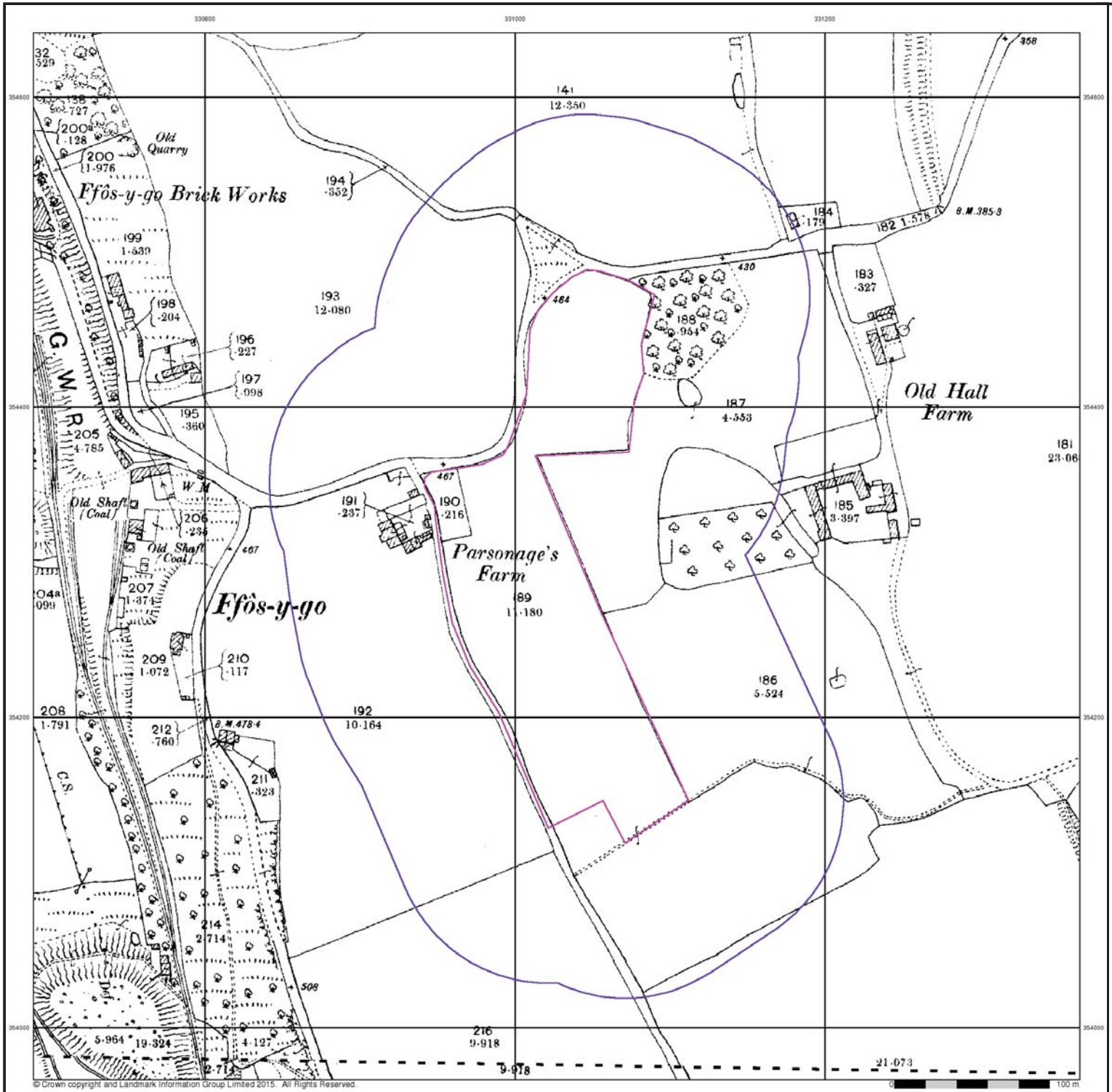
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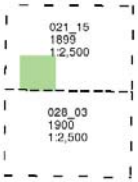
Denbighshire

Published 1899 - 1900

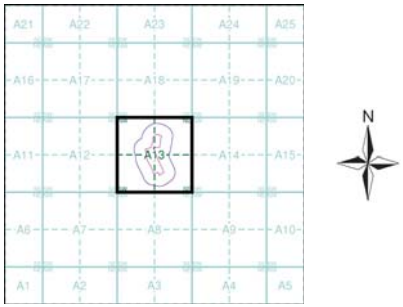
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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

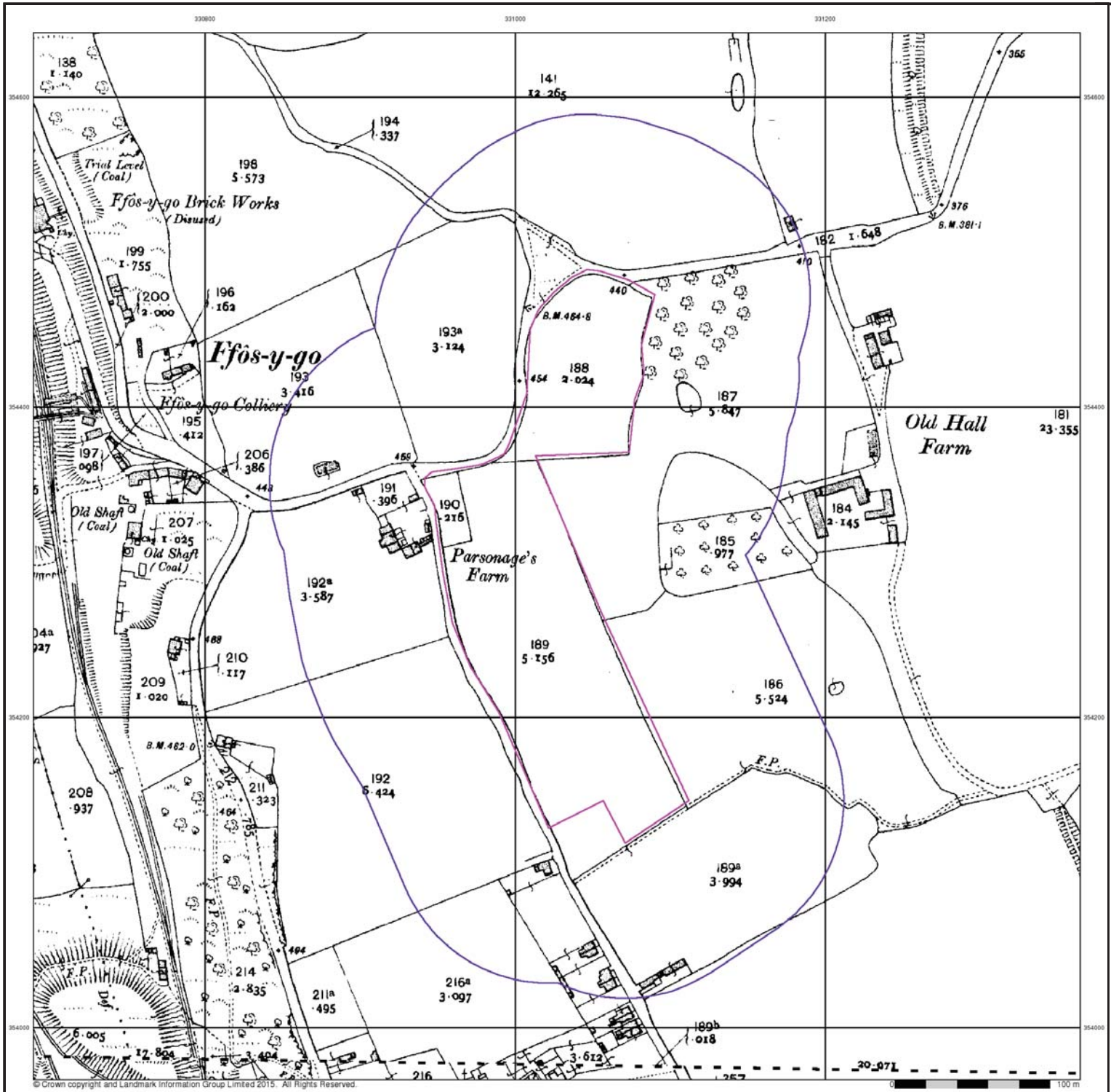
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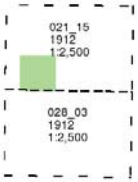
Denbighshire

Published 1912

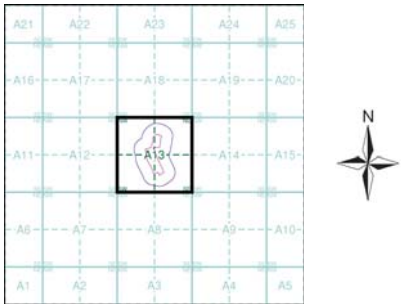
Source map scale - 1:2,500

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Historical Map - Segment A13



Order Details

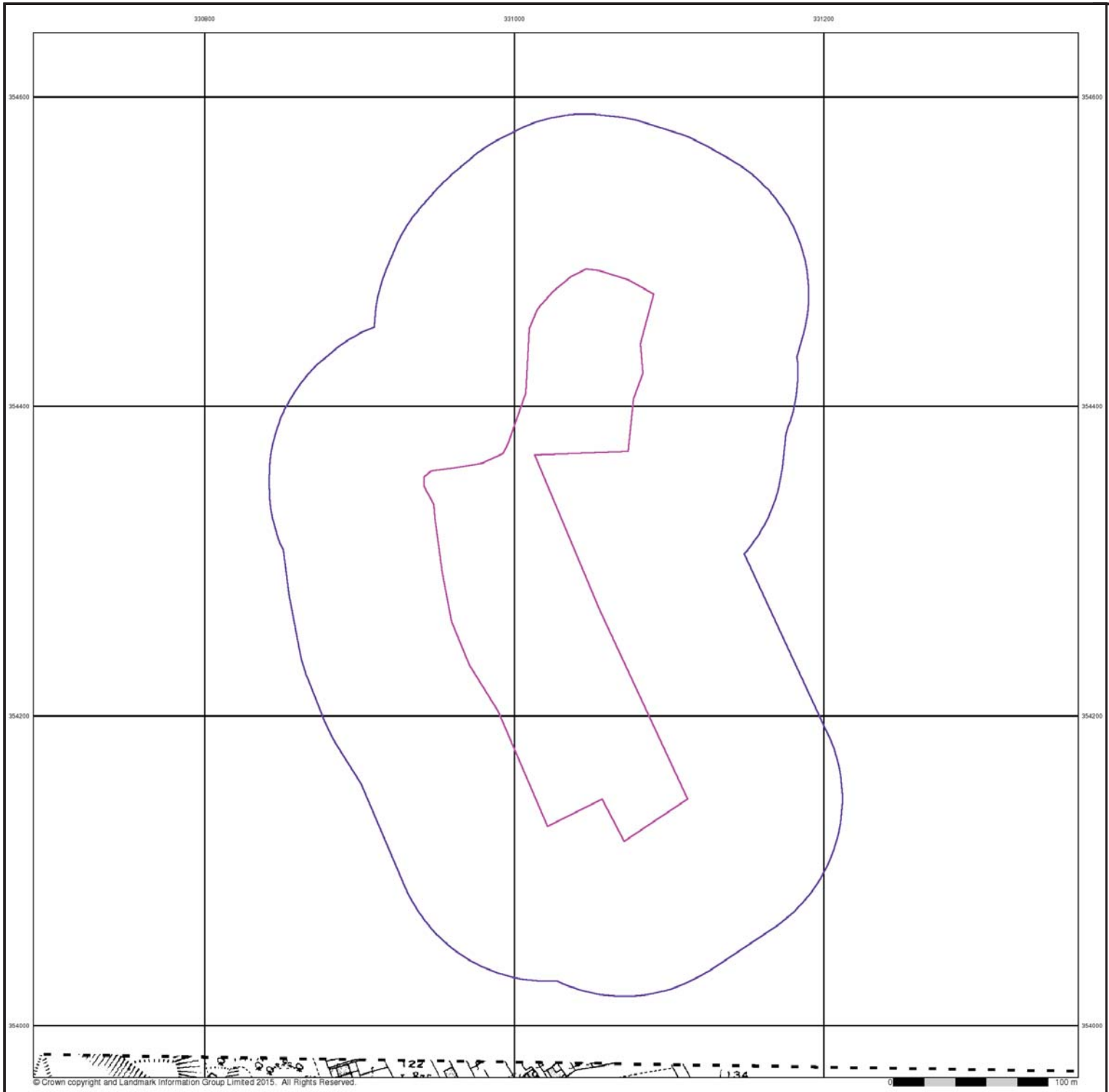
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Denbighshire

Published 1939

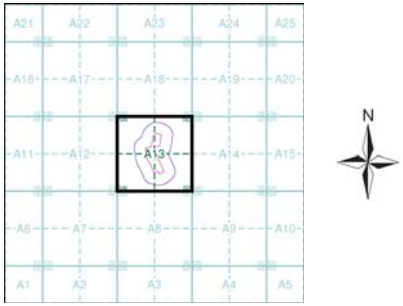
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13



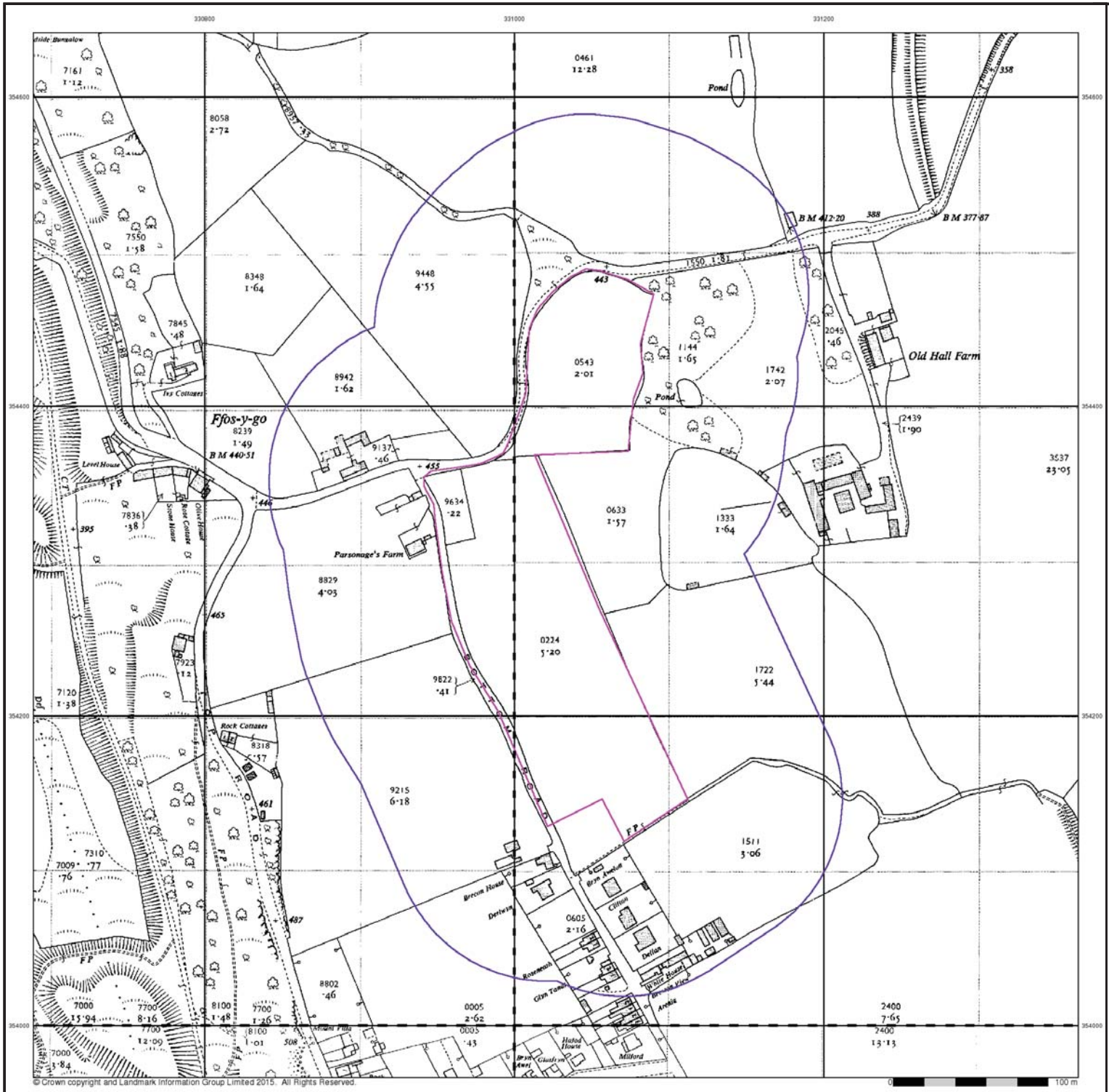
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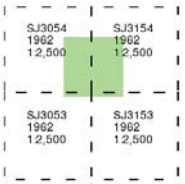
Ordnance Survey Plan

Published 1962

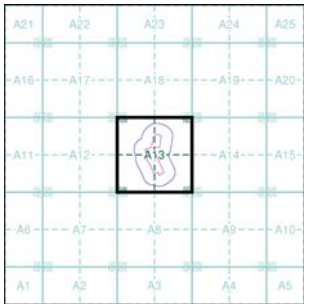
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	84701701_1_1
Customer Ref:	48048
National Grid Reference:	331040, 354300
Slice:	A
Site Area (Ha):	2.95
Search Buffer (m):	100

Site Details

Land east of Bottom Road, Summerhill, WREXHAM, Clwyd, LL11 4TS

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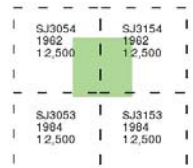
Additional SIMs

Published 1962 - 1984

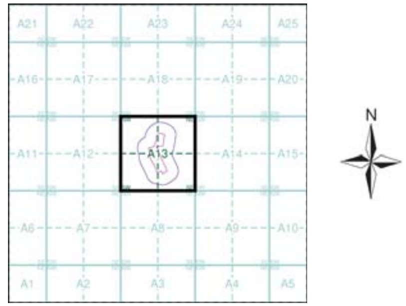
Source map scale - 1:2,500

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Map Name(s) and Date(s)



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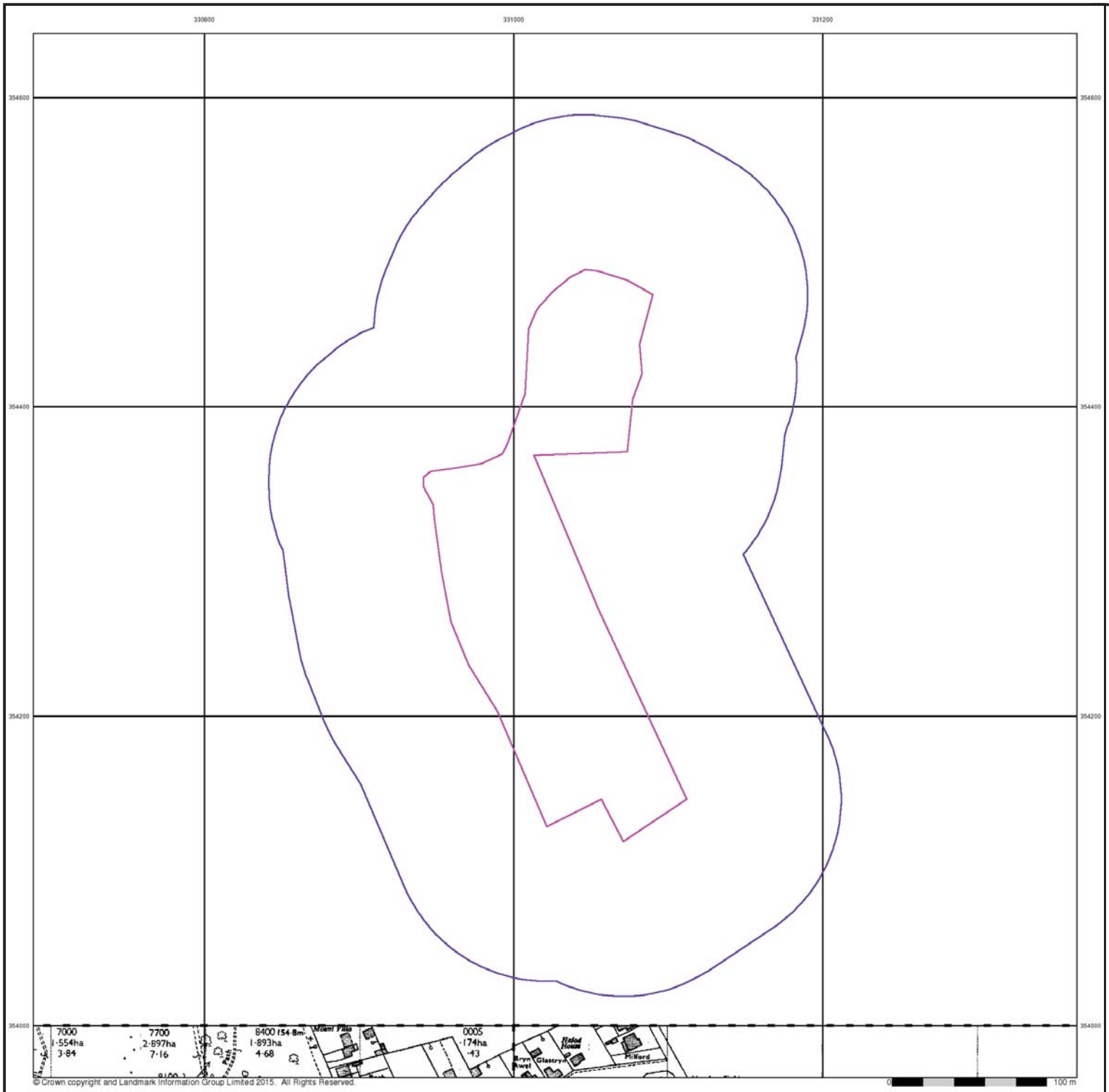
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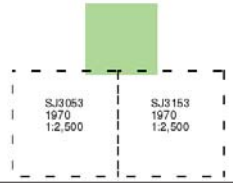
Ordnance Survey Plan

Published 1970

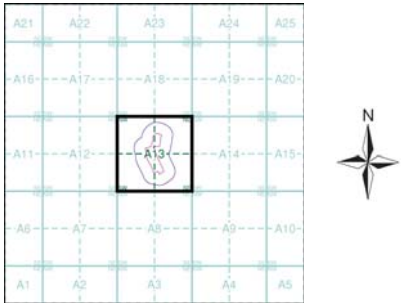
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13



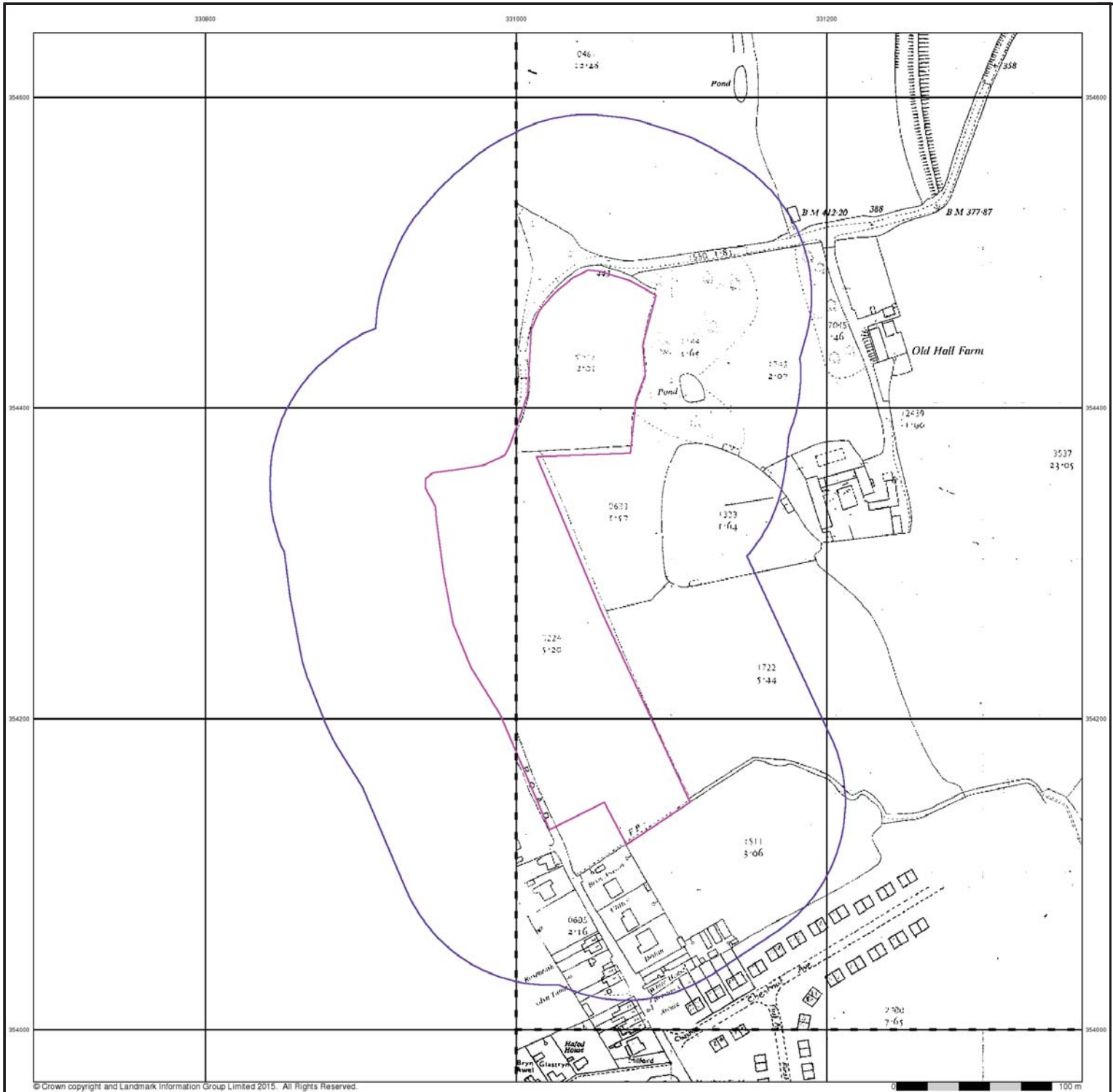
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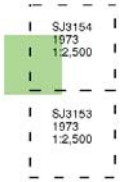
Supply of Unpublished Survey Information

Published 1973

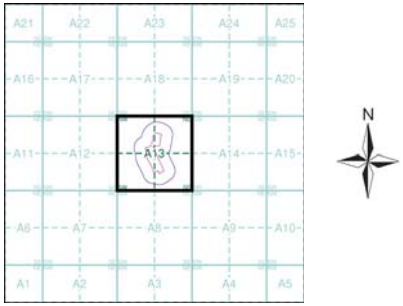
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



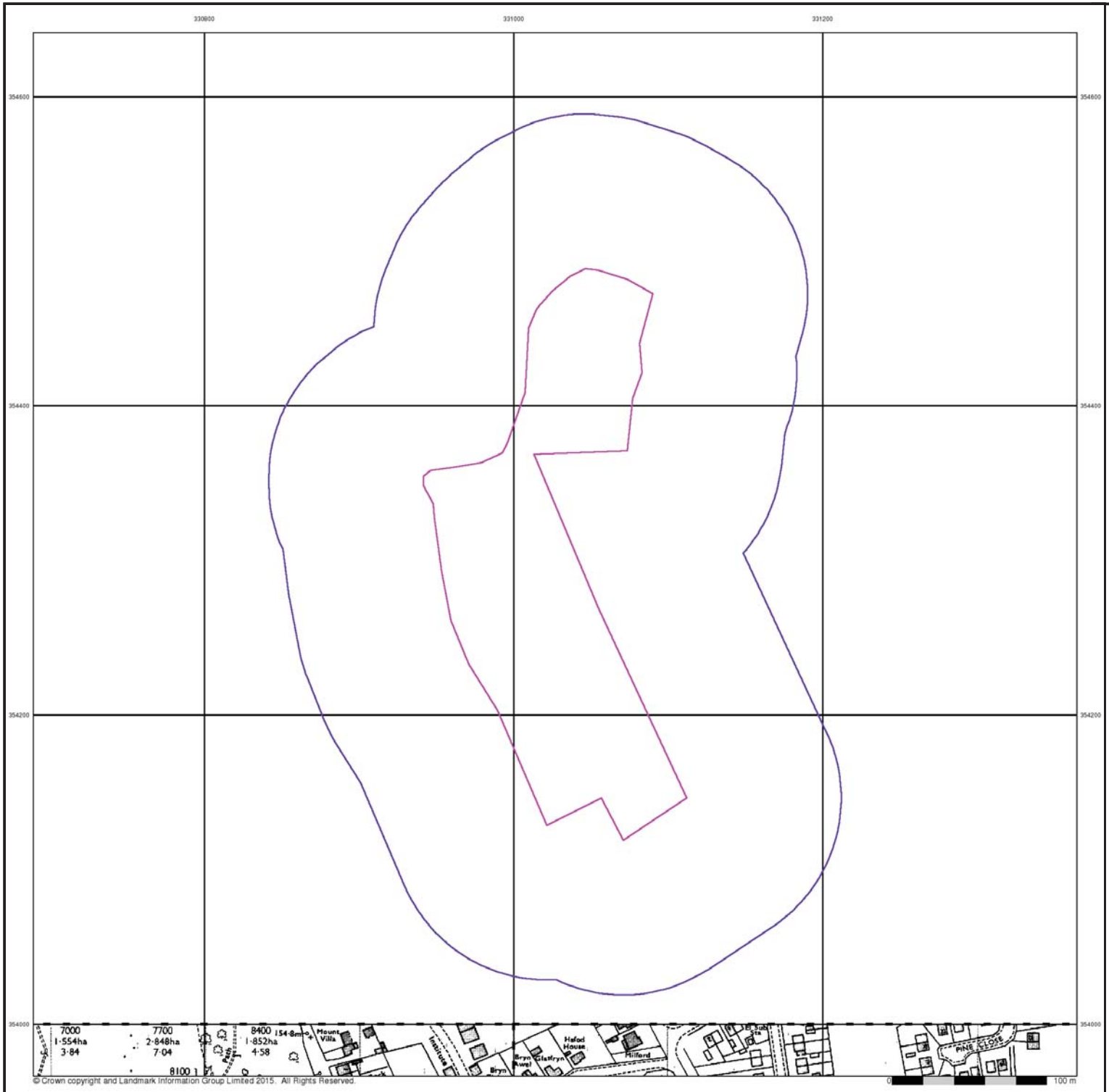
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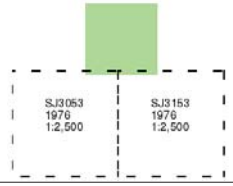
Ordnance Survey Plan

Published 1976

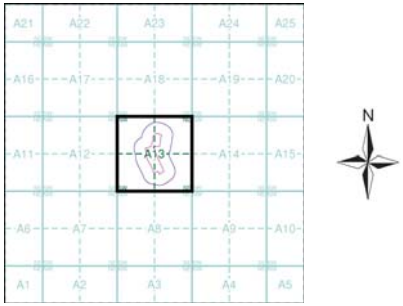
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13



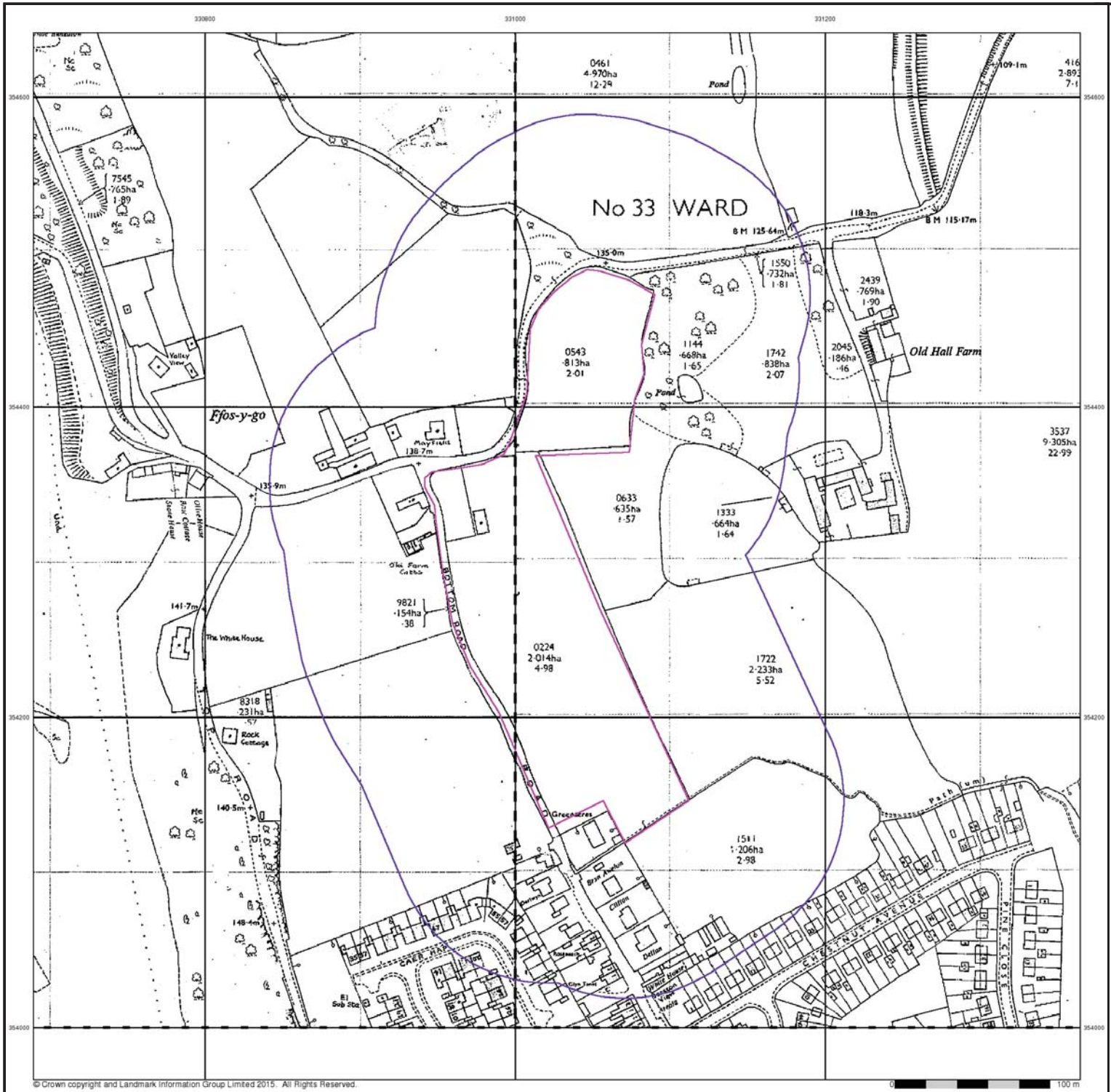
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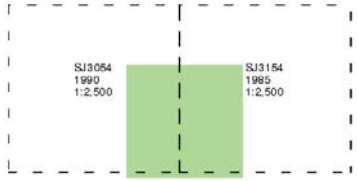
Additional SIMs

Published 1985 - 1990

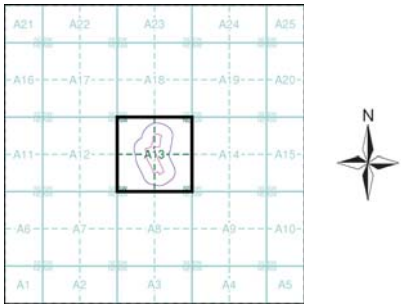
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



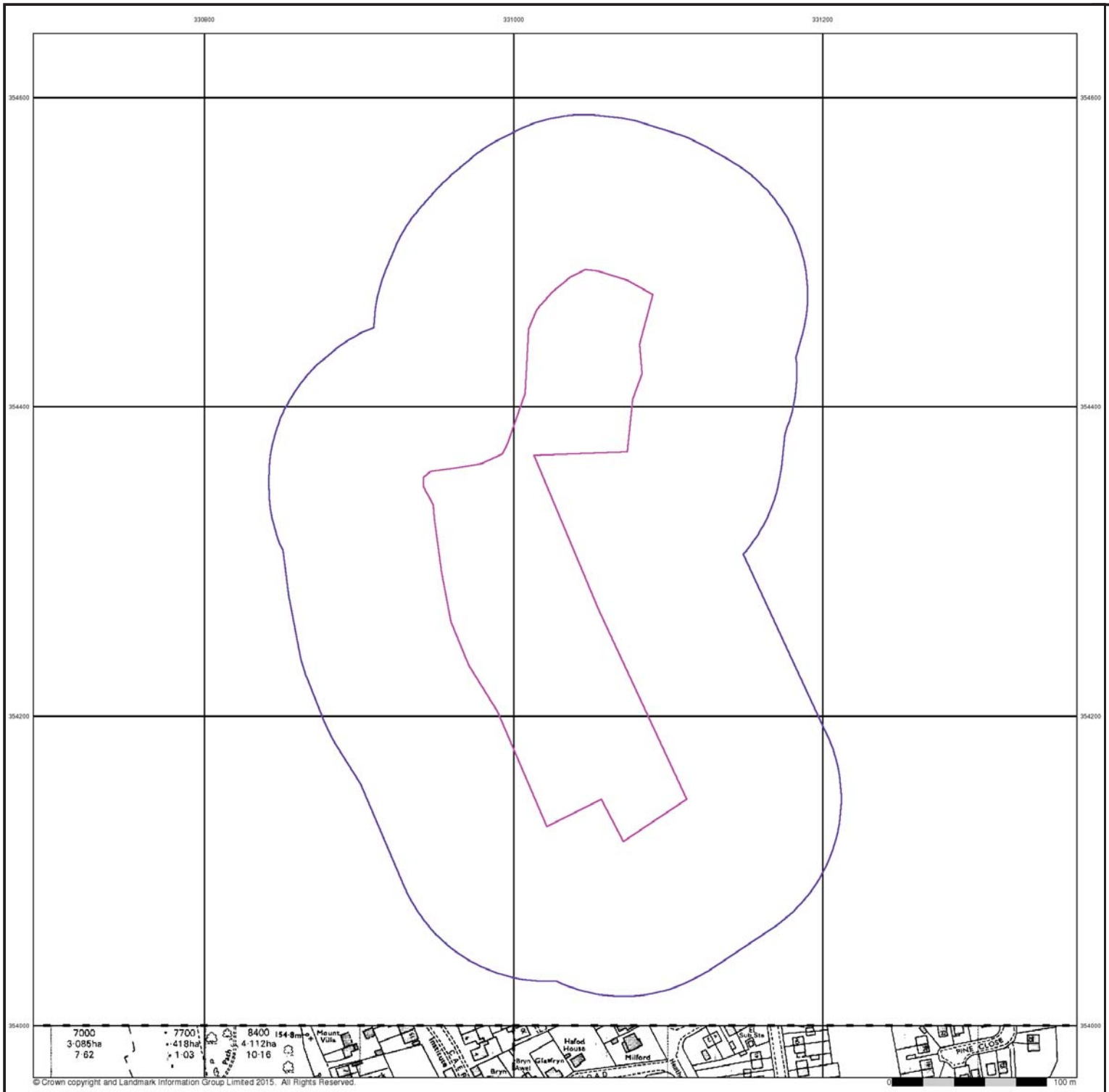
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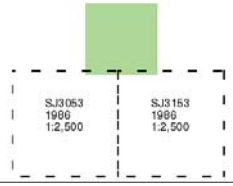
Ordnance Survey Plan

Published 1986

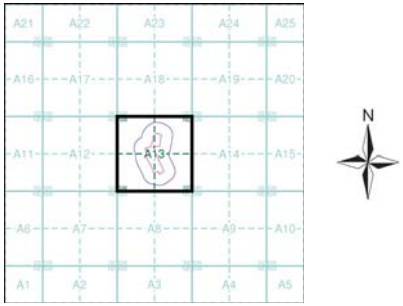
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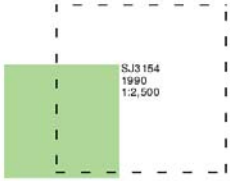
Additional SIMs

Published 1990

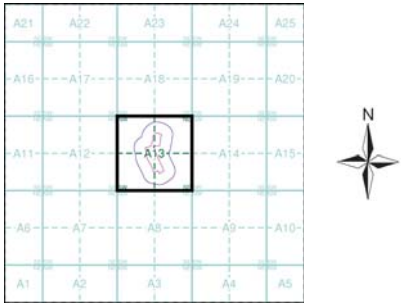
Source map scale - 1:2,500

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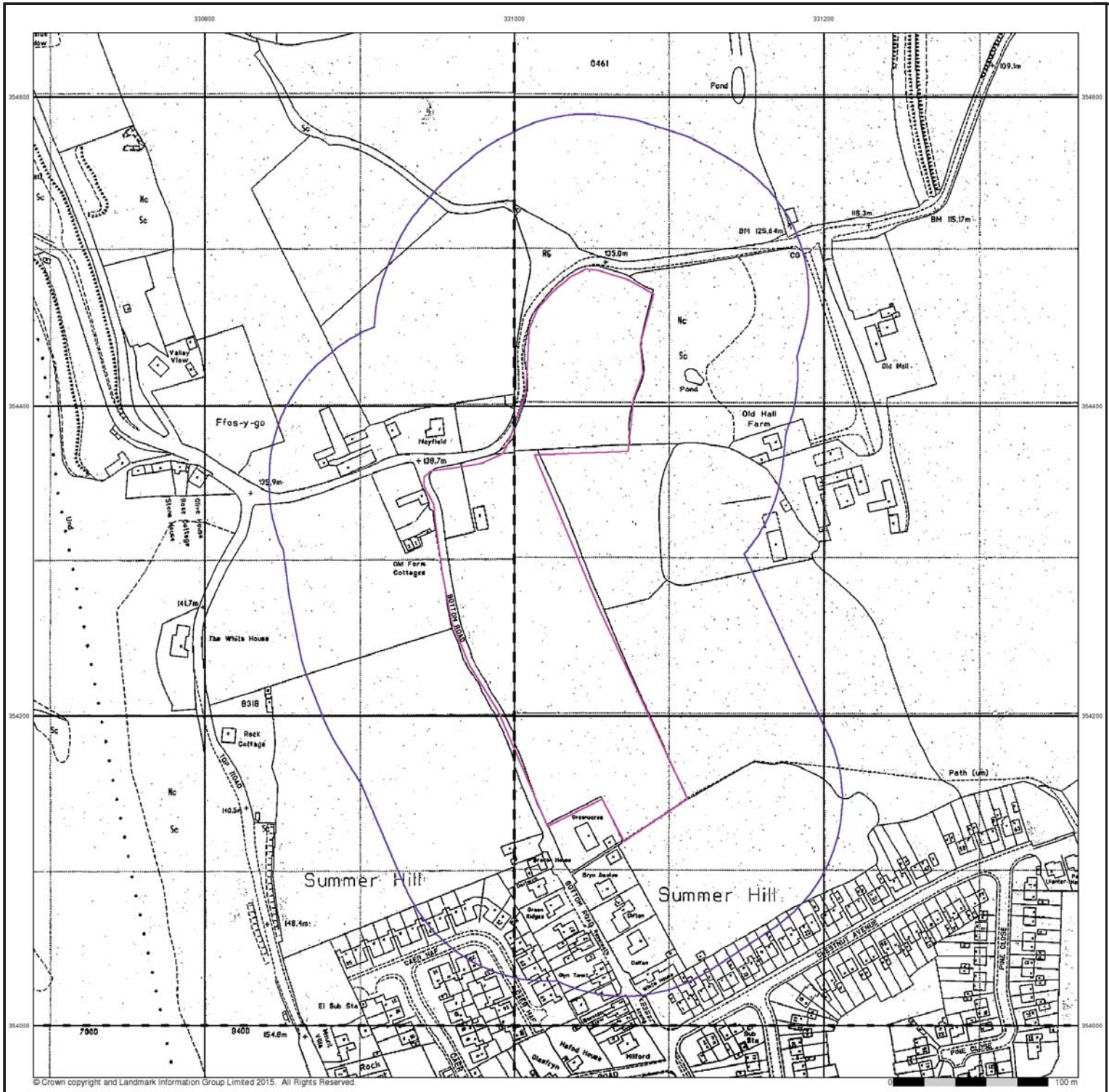
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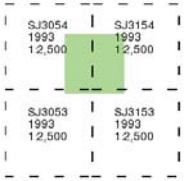
Large-Scale National Grid Data

Published 1993

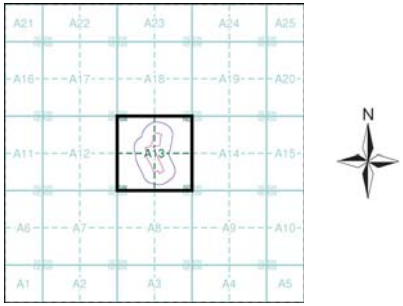
Source map scale - 1:2,500

'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 A13

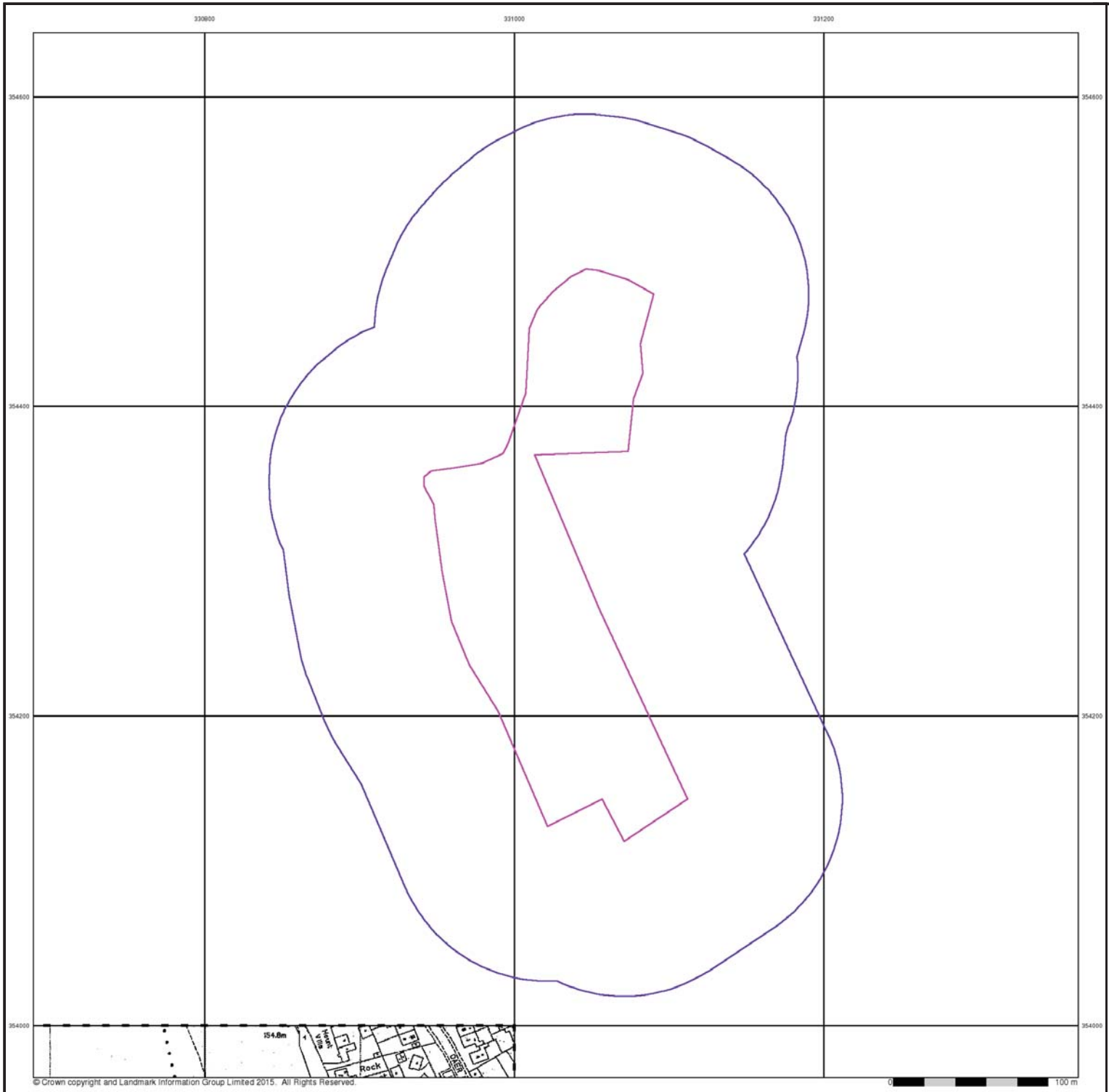


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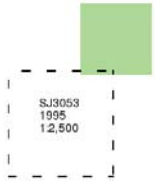
Large-Scale National Grid Data

Published 1995

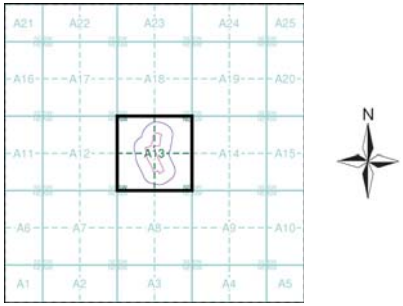
Source map scale - 1:2,500

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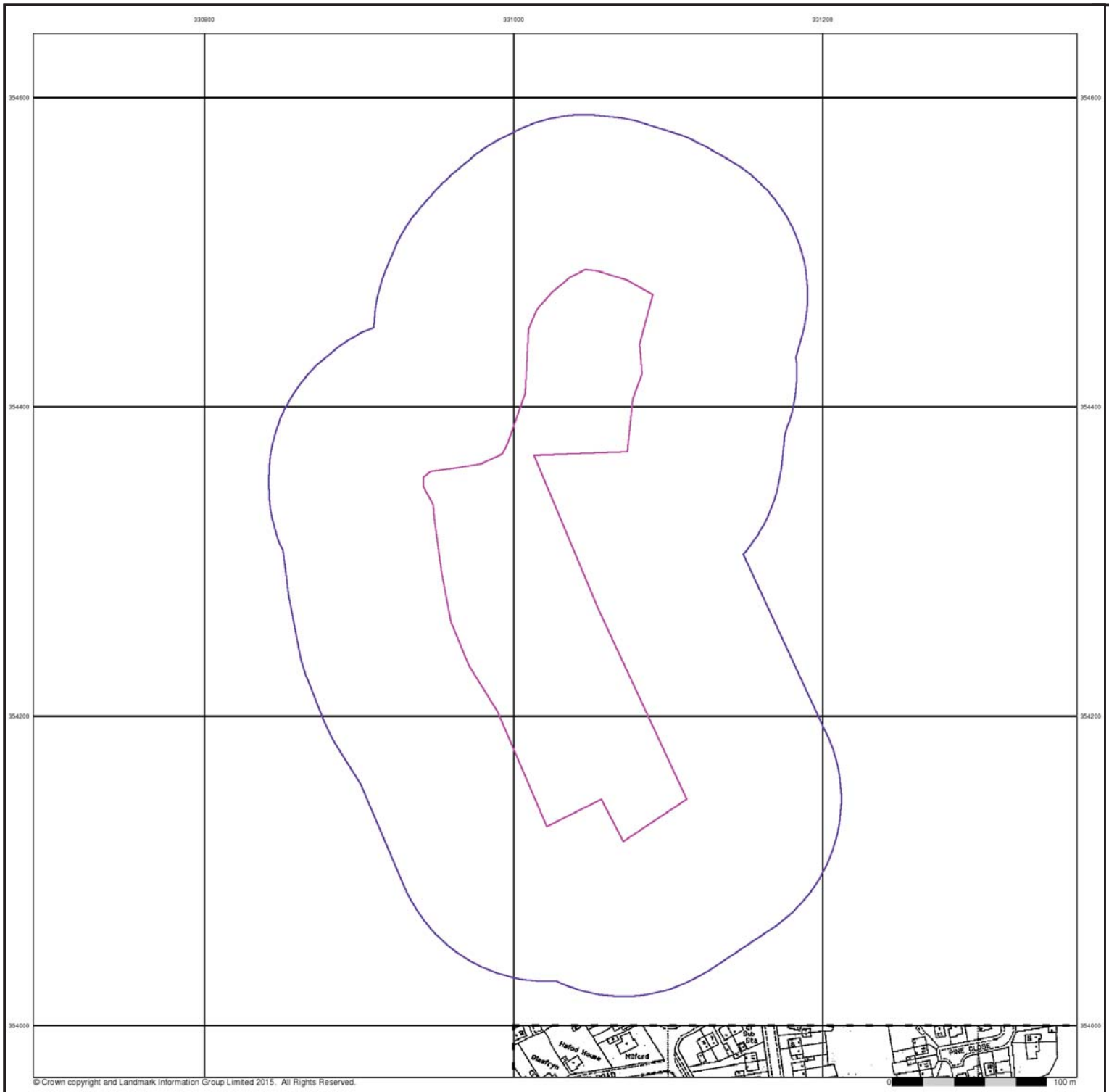
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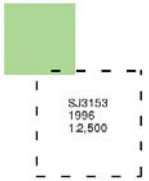
Large-Scale National Grid Data

Published 1996

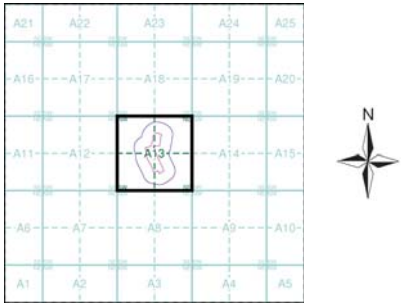
Source map scale - 1:2,500

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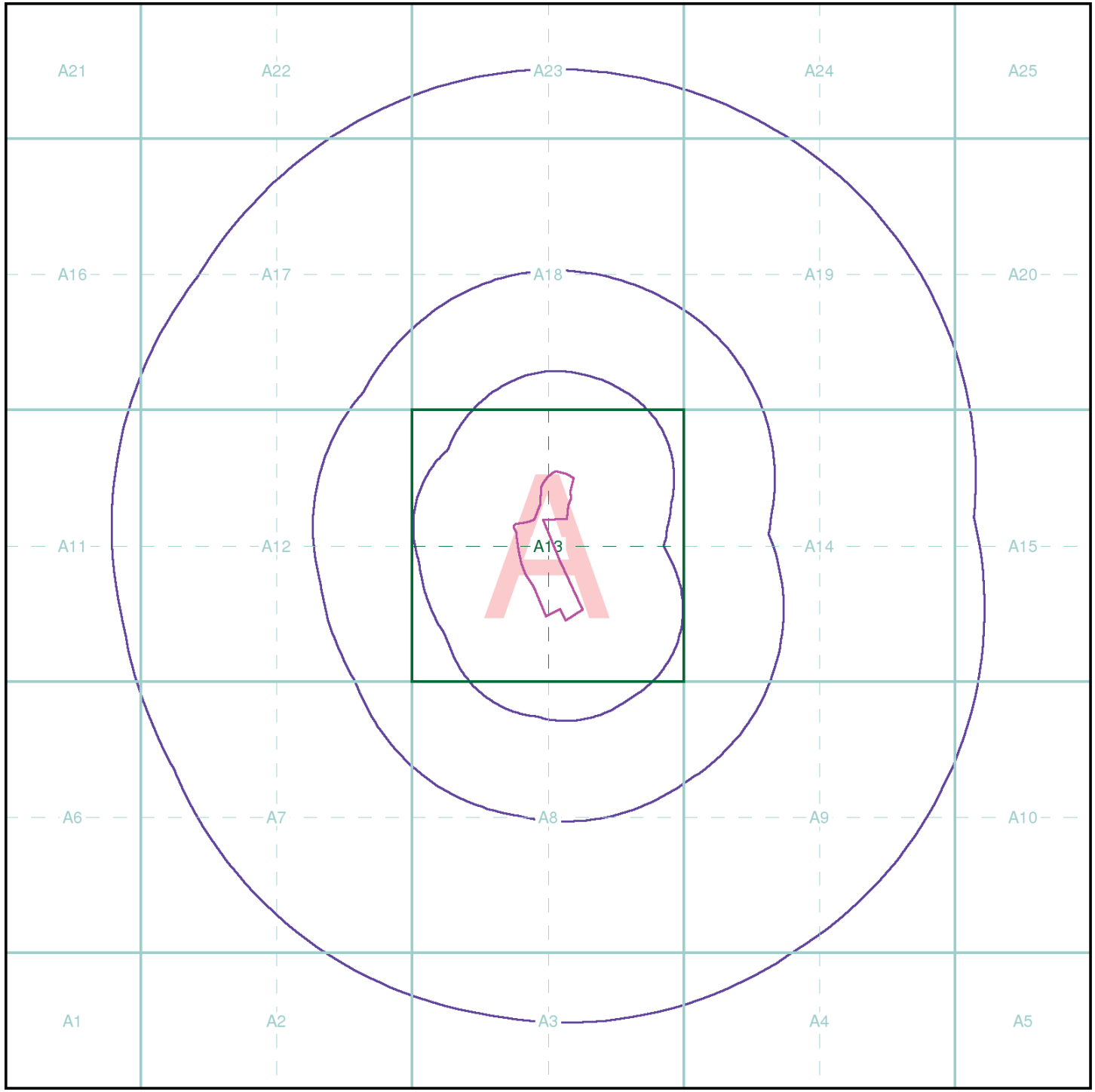
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Index Map

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

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

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

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

A selection of organisations who provide data within this report:

Map data

British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL

Cyfoeth Naturiol Cymru
Natural Resources Wales

Envirocheck reports are compiled from 136 different sources of data.

Prepared For

AAH Planning Consultants
2 Bar Lane
York
YO1 6JU

Client Details

Mr J Potter, AAH Planning Consultants, 2 Bar Lane, York, YO1 6JU

Order Details

Order Number:	84701701_1_1
Customer Ref:	48048
National Grid Reference:	331030, 354300
Site Area (Ha):	2.95
Search Buffer (m):	1000

Site Details

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Datasheet

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84701701_1_1

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Clwyd
LL11 4TS

Client Details:

Mr J Potter
AAH Planning Consultants
2 Bar Lane
York
YO1 6JU

Prepared For:

AAH Planning Consultants
2 Bar Lane
York
YO1 6JU

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Introduction

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

In the attached 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 v50.0

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 2				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 4				1
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 4		Yes		
Pollution Incidents to Controlled Waters	pg 4		2		11
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 6				1
River Quality Biology Sampling Points					
Substantiated Pollution Incident Register					
River Quality Chemistry Sampling Points					
Water Abstractions	pg 7				(*1)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 7	Yes	n/a	n/a	n/a
Drift Deposits	pg 7	1	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 7	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 7	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
Detailed River Network Lines	pg 7			Yes	n/a
Detailed River Network Offline Drainage					n/a

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 9			2	4
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 10	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites	pg 10			1	2
Potentially Infilled Land (Non-Water)	pg 10		3	1	21
Potentially Infilled Land (Water)	pg 12			2	4
Registered Landfill Sites	pg 12			1	3
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites	pg 13				1
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 14	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 14	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 17		3	4	39
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas	pg 24	Yes	n/a	n/a	n/a
Mining Instability	pg 25	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 25	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 25	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 25		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	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 25	Yes		n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 26		1	5	49
Fuel Station Entries	pg 31				1
Points of Interest - Commercial Services	pg 31		1	2	6
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 31			3	16
Points of Interest - Public Infrastructure	pg 33				11
Points of Interest - Recreational and Environmental	pg 34		1		
Gas Pipelines					
Underground Electrical Cables					

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

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SW)	0	2	331045 354302
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	0	2	331045 354350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (W)	192	2	330750 354350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (W)	192	2	330750 354302
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (W)	208	2	330750 354250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	215	2	330800 354100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (W)	219	2	330750 354200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	235	2	330800 354050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (SW)	248	2	330850 353950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	257	2	330800 354000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	260	2	330700 354450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (SW)	286	2	330850 353900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (W)	342	2	330600 354350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (W)	345	2	330600 354400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (W)	355	2	330600 354450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (SW)	370	2	330650 354050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	371	2	330850 353800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	377	2	330600 354150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	392	2	330550 354302
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (W)	392	2	330550 354350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (SW)	394	2	330600 354100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	404	2	330550 354250

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (W)	404	2	330550 354450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (W)	413	2	330550 354200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (S)	416	2	330850 353750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (W)	418	2	330550 354500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (NW)	421	2	330600 354600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A17SE (NW)	452	2	330600 354650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (W)	453	2	330500 354250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8NW (S)	483	2	330800 353700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A17SE (NW)	491	2	330550 354650
1	**Discharge Consents** Operator: Trevalyn Estates Ltd Property Type: Undefined Or Other Location: Wrexham Cefn-Y-Bedd Llay Hall Brick, Cefn-Y-Bedd Llay Hall Brick Comp, Llay Hall Brick Company Authority: Natural Resources Wales Catchment Area: River Dee Reference: Cm0042101 Permit Version: 1 Effective Date: 16th June 1967 Issued Date: 16th June 1967 Revocation Date: 21st November 1994 Discharge Type: Unspecified Discharge Environment: Freshwater Stream/River Receiving Water: Alyn **Status:** **Consent expired** Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	862	3	331680 355100
2	**Discharge Consents** Operator: Anglo American Signs Ltd Property Type: Industrial Parks & Estates Location: Cefn Y Bedd Industrial Area, Sysdallt, Wrexham, Wales, LI12 9yg Authority: Natural Resources Wales Catchment Area: River Dee Reference: CG0316601 Permit Version: 2 Effective Date: 28th August 1992 Issued Date: 28th August 1992 Revocation Date: 15th October 2012 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Into Land **Status:** **Revoked under EPR 2010** Positional Accuracy: Located by supplier to within 100m	A19NW (N)	881	3	331400 355300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	**Discharge Consents** Operator: Anglo American Signs Ltd Property Type: Industrial Parks & Estates Location: Cefn Y Bedd Industrial Area, Sysdallt, Wrexham, Wales, LI12 9yg Authority: Natural Resources Wales Catchment Area: River Dee Reference: Cg0316601 Permit Version: 1 Effective Date: 21st November 1991 Issued Date: 21st November 1991 Revocation Date: 27th August 1992 Discharge Type: Unspecified Discharge Environment: Onto Land Receiving Water: Into Land **Status: Authorisation revokedRevoked** Positional Accuracy: Located by supplier to within 100m	A19NW (N)	881	3	331400 355300
2	**Discharge Consents** Operator: Price D Property Type: Industrial Parks & Estates Location: Cefn Y Bedd Industrial Area, Sysdallt, Wrexham, Wales, LI12 9yg Authority: Natural Resources Wales Catchment Area: River Dee Reference: Cm0209501 Permit Version: 1 Effective Date: 23rd August 1990 Issued Date: 23rd August 1990 Revocation Date: 31st October 1996 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Into Land Receiving Water: Land **Status: Lapsed (under Environment Act 1995, Schedule 23)** Positional Accuracy: Located by supplier to within 100m	A19NW (N)	881	3	331400 355300
2	**Discharge Consents** Operator: Mr Thomas Morgan Property Type: Industrial Parks & Estates Location: Cefn Y Bedd Industrial Area, Sysdallt, Wrexham, Wales, LI12 9yg Authority: Natural Resources Wales Catchment Area: River Dee Reference: Cm0085701 Permit Version: 2 Effective Date: 13th November 1986 Issued Date: 13th November 1986 Revocation Date: 5th February 1997 Discharge Type: Trade Effluent Discharge Environment: Freshwater Stream/River Receiving Water: Alyn **Status: Consent expired** Positional Accuracy: Located by supplier to within 100m	A19NW (N)	881	3	331400 355300
2	**Discharge Consents** Operator: Mr Thomas Morgan Property Type: Industrial Parks & Estates Location: Cefn Y Bedd Industrial Area, Sysdallt, Wrexham, Wales, LI12 9yg Authority: Natural Resources Wales Catchment Area: River Dee Reference: Cm0085701 Permit Version: 1 Effective Date: 4th July 1979 Issued Date: 4th July 1979 Revocation Date: 12th November 1986 Discharge Type: Trade Effluent Discharge Environment: Freshwater Stream/River Receiving Water: Alyn **Status: Authorisation revokedRevoked** Positional Accuracy: Located by supplier to within 100m	A19NW (N)	881	3	331400 355300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	**Discharge Consents** Operator: Arriva Cymru Ltd Property Type: Undefined Or Other Location: Mold Road Depot Wrexham Authority: Natural Resources Wales Catchment Area: River Dee Reference: Cm0010601 Permit Version: 1 Effective Date: 9th September 1960 Issued Date: 9th September 1960 Revocation Date: 6th January 1993 Discharge Type: Unspecified Discharge Environment: Into And/Or Watercourse Receiving Water: Un-Named Trib. Of Gwenfro **Status: Consent expired** Positional Accuracy: Located by supplier to within 100m	A19NE (NE)	948	3	331800 355100
4	**Discharge Consents** Operator: Coal Contractors Ltd Property Type: Undefined Or Other Location: Old Llay Hall Colliery Tip Cefn-Y-B, Cefn-Y-Bedd Wrexham Authority: Natural Resources Wales Catchment Area: Afon Conwy Reference: Cm0160301 Permit Version: 1 Effective Date: 16th June 1988 Issued Date: 16th June 1988 Revocation Date: 23rd December 1992 Discharge Type: Unspecified Discharge Environment: Freshwater Stream/River Receiving Water: Alyn **Status: Consent expired** Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	987	3	332010 354830
5	**Local Authority Pollution Prevention and Controls** Name: Park Wall Service Station Location: Mold Road, Gwersyllt, WREXHAM, Clwyd, LL11 4AH Authority: Wrexham County Borough Council, Environmental Health Department Permit Reference: WCBC/PG1/14(12)V2 Dated: 23rd December 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Authorised** Positional Accuracy: Automatically positioned to the address	A14SW (SE)	543	4	331646 354050
	Nearest Surface Water Feature	A13NE (N)	127	-	331143 354588
6	**Pollution Incidents to Controlled Waters** Property Type: Cattle Beef Farming: Slurry Store/Waste Tank Location: Summerhill Road, Mayfield Farm Authority: Environment Agency, Welsh Region Pollutant: Washery Effluent Note: Weather Incident Date: 13th February 1995 Incident Reference: 22551 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	41	5	330950 354400
7	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Greenacres Lower Road, Suit Factory, WREXHAM Authority: Environment Agency, Welsh Region Pollutant: Miscellaneous - Fire water / Foam Note: Accidental Spillage/Leakage Incident Date: 4th May 1996 Incident Reference: 28297 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (E)	236	5	331300 354300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Upstream Of, Fish Farm Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Not Supplied Incident Date: 22nd July 1996 Incident Reference: 29553 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	836	5	331500 355200
9	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Up Stream Of Fish Farm Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Not Supplied Incident Date: 12th August 1991 Incident Reference: 3089 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A19NW (N)	883	5	331405 355300
10	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Lganllyn Farm, Glanllyn Road, BRADLEY Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Not Supplied Incident Date: 12th May 1997 Incident Reference: 32205 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NE (E)	911	5	332000 354500
11	**Pollution Incidents to Controlled Waters** Property Type: Process Location: Llay Hall, Industrial Estate Authority: Environment Agency, Welsh Region Pollutant: Rubbish Note: Deliberate Act Incident Date: 10th May 1995 Incident Reference: 24005 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19NE (NE)	911	5	331750 355100
11	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Riverside Park, CEFN-Y-BEDD Authority: Environment Agency, Welsh Region Pollutant: Farm Effluent/Slurry Note: Not Supplied Incident Date: 22nd March 1996 Incident Reference: 27677 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19NE (NE)	945	5	331800 355095
11	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Riverside Park, CEFN-Y-BEDD Authority: Environment Agency, Welsh Region Pollutant: Farm Effluent/Slurry Note: Not Supplied Incident Date: 22nd March 1996 Incident Reference: 27677 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19NE (NE)	948	5	331800 355100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: CEFN-Y-BEDD Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 13th May 1995 Incident Reference: 24062 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	923	5	331500 355300
13	**Pollution Incidents to Controlled Waters** Property Type: Council Premises Location: 100 Yards From Red Lion Pub, Ffrwd Road Authority: Environment Agency, Welsh Region Pollutant: Light Oil Note: Not Supplied Incident Date: 14th April 1991 Incident Reference: 9 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	926	5	330450 355200
14	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Up Stream As Far, As Hollybush Authority: Environment Agency, Welsh Region Pollutant: Agricultural: Carcasses Note: Not Supplied Incident Date: 13th September 1995 Incident Reference: 25947 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A23SE (N)	945	5	331300 355400
14	**Pollution Incidents to Controlled Waters** Property Type: Abandoned mine Location: Up Stream Of Fish Farm Authority: Environment Agency, Welsh Region Pollutant: Sewage - Treated Effluent Note: Natural Causes Incident Date: 30th August 1994 Incident Reference: 20998 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A23SE (N)	959	5	331350 355400
15	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Other Location: Pumping Station, On A541 Mold Road Authority: Environment Agency, Welsh Region Pollutant: Sewage - Treated Effluent Note: Mechanical Failure Incident Date: 29th August 1994 Incident Reference: 20997 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A23SE (N)	982	5	331250 355450
	River Quality Name: Alyn GQA Grade: River Quality B Reach: Gresford - Conf. Cegidog Estimated Distance (km): 6.2 Flow Rate: Flow less than 5 cumecs Flow Type: River Year: 2000	A19NW (NE)	765	5	331635 355009

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Mr T Morgan Licence Number: 24/67/8/0094 Permit Version: 100 Location: River Cegidog Authority: Environment Agency, Welsh Region Abstraction: Aquaculture: Fish Farm/Cress Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: River Cegidog Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 1991 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A23SE (N)	1116	5	331280 355580
	Groundwater Vulnerability Soil Classification: Soils of High Leaching Potential (U) - Soil information for restored mineral workings and urban areas is based on fewer observations than elsewhere. A worst case vulnerability classification (H) assumed, until proved otherwise Map Sheet: Sheet 16 West Cheshire Scale: 1:100,000	A13SW (S)	0	5	331024 354151
	Groundwater Vulnerability Soil Classification: Soils of High Leaching Potential (H2) - Deep, permeable, coarse textured soils which readily transmit a wide range of pollutants because of their rapid drainage and low attenuation potential Map Sheet: Sheet 16 West Cheshire Scale: 1:100,000	A13SE (SW)	0	5	331045 354302
	Drift Deposits Drift Deposit: Low permeability drift deposits occuring at the surface and overlying Major and Minor Aquifers are head, clay-with-flints, brickearth, peat, river terrace deposits and marine and estuarine alluvium Map Sheet: Sheet 16 West Cheshire Scale: 1:100,000	A13SE (SW)	0	5	331045 354302
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SE (SW)	0	2	331045 354302
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	A13SE (SW)	0	2	331045 354302
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
16	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D010 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A12NE (W)	271	5	330673 354321

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	**Detailed River Network Lines** River Type: Secondary River River Name: Not Supplied Hydrographic Area: D010 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A12NE (NW)	394	5	330591 354534
	Detailed River Network Offline Drainage None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	**Historical Landfill Sites** Licence Holder: Wrexham Maelor Borough Council Location: Wrexham Name: Gwersyllt Park Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD14267 First Input Date: 31st December 1973 Last Input Date: 31st December 1984 Specified Waste Type: Deposited Waste included Inert, Industrial, Commercial, Household and Special Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 6955/0029 BGS Ref: Not Supplied Other Ref: Not Supplied	A14NW (NE)	430	3	331534 354533
19	**Historical Landfill Sites** Licence Holder: Hydes Anvill Brewery Location: Top Road, Wrexham, Summerhill Name: The Crown Inn Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD14759 First Input Date: 31st December 1988 Last Input Date: 31st December 1989 Specified Waste Type: Deposited Waste included Inert and Industrial Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 6955/0053 BGS Ref: Not Supplied Other Ref: WMBC L/28	A8NE (S)	478	3	331056 353642
20	**Historical Landfill Sites** Licence Holder: Dr J Tattersall Location: Windy Hill, Wrexham, Cefn-Y-Bedd Name: Bellan Farm Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD14749 First Input Date: 1st March 1992 Last Input Date: 15th April 1994 Specified Waste Type: Deposited Waste included Inert Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 6955/0006 BGS Ref: Not Supplied Other Ref: WMBC L/59	A17SE (NW)	605	3	330514 354800
21	**Historical Landfill Sites** Licence Holder: Max Rooks Location: Cae Penty Road, Ffrwd, Wrexham Name: The Windings Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD13894 First Input Date: 30th July 1990 Last Input Date: 31st December 1993 Specified Waste Type: Deposited Waste included Inert Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 6955/0075 BGS Ref: Not Supplied Other Ref: WMBC L/53	A17SW (NW)	896	3	330220 354885
22	**Historical Landfill Sites** Licence Holder: Wrexham Royal District Council Location: Gwersyllt, Cardiff Name: The Wauns Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD14265 First Input Date: 31st December 1969 Last Input Date: 31st December 1974 Specified Waste Type: Deposited Waste included Inert, Industrial, Commercial, Household and Special Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 6955/0059 BGS Ref: Not Supplied Other Ref: Not Supplied	A10NW (E)	955	3	332044 353940

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	**Historical Landfill Sites** Licence Holder: Not Supplied Location: Brymbo Name: Bryn Malley Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD14244 First Input Date: 31st December 1890 Last Input Date: 31st December 1920 Specified Waste Type: Deposited Waste included Inert Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 6955/0014 BGS Ref: Not Supplied Other Ref: Not Supplied	A7SW (SW)	956	3	330240 353580
	Local Authority Landfill Coverage Name: Wrexham County Borough Council - Has supplied landfill data		0	6	331045 354302
24	**Local Authority Recorded Landfill Sites** Location: Gwersyllt Park, Gwersyllt, Mold Road, Wrexham Reference: 6955/0029 Authority: Wrexham County Borough Council **Last Reported Status: Closed** Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Good	A14NW (E)	478	6	331586 354510
25	**Local Authority Recorded Landfill Sites** Location: Bryn Malley, Station Road, Brymbo, Wrexham Reference: 6955/0014 Authority: Wrexham County Borough Council **Last Reported Status: Closed** Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Good	A7SW (SW)	954	6	330233 353590
26	**Local Authority Recorded Landfill Sites** Location: The Wauns, Gwersyllt, Glan-Llyn Road, Wrexham Reference: 6955/0059 Authority: Wrexham County Borough Council **Last Reported Status: Closed** Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Good	A10NW (E)	956	6	332048 353954
27	**Potentially Infilled Land (Non-Water)** Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A13NW (W)	122	-	330822 354331
28	**Potentially Infilled Land (Non-Water)** Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A13SW (SW)	189	-	330849 354052
29	**Potentially Infilled Land (Non-Water)** Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A13NW (NW)	229	-	330747 354476
30	**Potentially Infilled Land (Non-Water)** Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A12SE (W)	456	-	330490 354280
31	**Potentially Infilled Land (Non-Water)** Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A9NW (SE)	502	-	331474 353799
32	**Potentially Infilled Land (Non-Water)** Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8SW (S)	510	-	330964 353621

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
33	**Potentially Infilled Land (Non-Water)** Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A17SE (NW)	538	-	330504 354666
34	**Potentially Infilled Land (Non-Water)** Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A12SE (W)	545	-	330408 354239
35	**Potentially Infilled Land (Non-Water)** Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A17SE (NW)	605	-	330420 354661
36	**Potentially Infilled Land (Non-Water)** Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A19SW (NE)	644	-	331576 354899
37	**Potentially Infilled Land (Non-Water)** Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8SE (S)	674	-	331149 353450
38	**Potentially Infilled Land (Non-Water)** Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A12SW (W)	701	-	330256 354205
39	**Potentially Infilled Land (Non-Water)** Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A18NW (N)	820	-	330968 355305
40	**Potentially Infilled Land (Non-Water)** Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A12NW (W)	874	-	330075 354469
41	**Potentially Infilled Land (Non-Water)** Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A19SE (NE)	876	-	331805 354978
42	**Potentially Infilled Land (Non-Water)** Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A19NE (NE)	882	-	331704 355107
43	**Potentially Infilled Land (Non-Water)** Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A17NE (NW)	887	-	330417 355119
44	**Potentially Infilled Land (Non-Water)** Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A12NW (W)	899	-	330044 354395
45	**Potentially Infilled Land (Non-Water)** Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A3NW (S)	913	-	330701 353275
46	**Potentially Infilled Land (Non-Water)** Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A12NW (W)	917	-	330044 354537
47	**Potentially Infilled Land (Non-Water)** Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A12NW (W)	928	-	330022 354471
48	**Potentially Infilled Land (Non-Water)** Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A9SW (SE)	930	-	331658 353395

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
49	**Potentially Infilled Land (Non-Water)** Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A12SW (W)	952	-	330022 354096
50	**Potentially Infilled Land (Non-Water)** Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A7SW (SW)	962	-	330223 353590
51	**Potentially Infilled Land (Non-Water)** Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A17SW (W)	978	-	330030 354708
52	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A12SE (SW)	367	-	330666 354030
53	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A14SW (SE)	439	-	331522 353990
54	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A14SW (E)	566	-	331664 354272
55	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A19SE (NE)	723	-	331741 354785
56	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1954	A17SW (NW)	868	-	330150 354709
57	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1879	A9SW (SE)	899	-	331584 353380
58	**Registered Landfill Sites** Licence Holder: Hydes Anvil Brewery Licence Reference: L28 Site Location: Crown Inn, Summerhill, Wrexham, Clwyd Licence Easting: 331050 Licence Northing: 353640 Operator Location: 46 Moss Lane West, Manchester, Greater Manchester Authority: Environment Agency Wales, North Area Site Category: Landfill Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st June 1980 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste Brick Rubble Hardcore	A8NE (S)	480	5	331050 353640
59	**Registered Landfill Sites** Licence Holder: J Tattersall Licence Reference: L59 Site Location: Bellan Farm, Windy Hill, Cefn Y Bedd, Wrexham, Clwyd Licence Easting: 330510 Licence Northing: 354860 Operator Location: As Site Address Authority: Environment Agency Wales, North Area Site Category: Landfill Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st February 1992 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste Hardcore,Brickwk,Rubble,Stone,Concrete Sub/Topsoil, Shales, Sands, Clays	A17SE (NW)	643	5	330510 354860

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
60	**Registered Landfill Sites** Licence Holder: Wrexham Maelor B.C. Licence Reference: R Site Location: Gwersyllt Park Disposal Site, Wrexham, Clwyd Licence Easting: 332000 Licence Northing: 354200 Operator Location: The Depot, Mold Road. Gwersyllt, WREXHAM, Clwyd, LL11 4AF Authority: Environment Agency Wales, North Area Site Category: Landfill Max Input Rate: Undefined Waste Source Restrictions: No known restriction on source of waste Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st March 1977 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Com. Non-Haz, Non-Toxic Waste Household Waste	A14SE (E)	890	5	332000 354200
61	**Registered Landfill Sites** Licence Holder: M Rooks Licence Reference: L53 Site Location: The Windings, Cae-Penty Road, Ffrith, WREXHAM, Clwyd, LL12 9TH Licence Easting: 330150 Licence Northing: 354950 Operator Location: As Site Address Authority: Environment Agency Wales, North Area Site Category: Landfill Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st July 1990 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the road within the address or location Boundary Accuracy: Not Applicable Authorised Waste: Bricks,Stone,Concrete,Hardcore,Rubble Max.Waste Permitted By Licence-Stated Top/Subsoil,Sandstonegravel,Shale,Clay Uncontam.Const'N/Demol./Excav'N Wastes	A17SW (NW)	891	5	330231 354891
62	**Registered Waste Treatment or Disposal Sites** Licence Holder: C V Bennett (Tickners) Licence Reference: L51 Site Location: Unit 2d Alyn Industrial Estate, Cefn-Y-Bedd, Wrexham, Clwyd Operator Location: As Site Address Authority: Environment Agency Wales, North Area Site Category: Incineration Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st January 1990 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned within the geographical locality Boundary Quality: Not Supplied Authorised Waste: Small Pet Animals Remains Solid Clinical Wastes	A19NW (NE)	876	5	331700 355100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Pennine Middle Coal Measures Formation And South Wales Middle Coal Measures Formation (Undifferentiated)	A13SE (SW)	0	2	331045 354302
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (SW)	0	2	331045 354302
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: <15 mg/kg	A13NW (N)	92	2	330976 354553
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: <15 mg/kg	A13SW (SW)	290	2	330763 354000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14SW (SE)	415	2	331500 354000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 200 - 300 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12NE (W)	466	2	330500 354500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 200 - 300 mg/kg Nickel Concentration: <15 mg/kg	A18NE (N)	512	2	331045 355000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 200 - 300 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19NW (NE)	679	2	331517 355000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 300 - 600 mg/kg Nickel Concentration: <15 mg/kg	A17NE (NW)	744	2	330500 355000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 200 - 300 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18NW (N)	799	2	330762 355235
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: <15 mg/kg	A3NW (S)	881	2	330858 353264
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 200 - 300 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19NW (NE)	900	2	331641 355183
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 300 - 600 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17NW (NW)	900	2	330340 355058

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 200 - 300 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19NE (NE)	913	2	331834 355000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: <15 mg/kg	A11NE (W)	942	2	330000 354354
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 200 - 300 mg/kg Nickel Concentration: <15 mg/kg	A11NE (W)	953	2	330000 354500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: <15 mg/kg	A11SE (W)	954	2	330000 354200
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 200 - 300 mg/kg Nickel Concentration: <15 mg/kg	A17SW (NW)	963	2	330067 354755
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 200 - 300 mg/kg Nickel Concentration: <15 mg/kg	A19NE (NE)	993	2	331833 355132

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
63	**BGS Recorded Mineral Sites** Site Name: Ffryd Iron & Coal Works Location: , Llay, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 138126 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A13NW (W)	197	2	330751 354401
64	**BGS Recorded Mineral Sites** Site Name: Fros-Y-Go Location: , Llay, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 138125 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A13SW (W)	220	2	330734 354275
64	**BGS Recorded Mineral Sites** Site Name: Fros-Y-Go Location: , Llay, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 138124 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A13NW (W)	222	2	330723 354317
65	**BGS Recorded Mineral Sites** Site Name: Windy Hill Location: , Llay, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 138123 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	292	2	330727 354552
66	**BGS Recorded Mineral Sites** Site Name: Windy Hill Location: , Llay, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 138116 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Cefn Rock Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18SW (NW)	356	2	330735 354682
67	**BGS Recorded Mineral Sites** Site Name: Windy Hill Location: , Llay, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 138115 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Cefn Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18SW (NW)	429	2	330731 354786

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
68	**BGS Recorded Mineral Sites** Site Name: Westminster Colliery, No. 1 Shaft Location: , Moss, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 184966 Type: Underground **Status: Ceased** Operator: Westminster Collliery Co. Operator Location: Westminster Collliery Co., Moss, Wrexham, Denbighshire Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A8NW (S)	486	2	330962 353646
69	**BGS Recorded Mineral Sites** Site Name: Windy Hill Location: , Llay, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 138122 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	521	2	330509 354643
70	**BGS Recorded Mineral Sites** Site Name: Westminster Colliery No. 3 Shaft Location: , Moss, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 198544 Type: Underground **Status: Ceased** Operator: Westminster Collliery Co. Operator Location: Westminster Collliery Co., Moss, Wrexham, Denbighshire Periodic Type: Carboniferous Geology: Main Coal (North Wales) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A8SW (S)	587	2	330844 353570
70	**BGS Recorded Mineral Sites** Site Name: Westminster Colliery No. 4 Shaft Location: , Moss, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 198545 Type: Underground **Status: Ceased** Operator: Westminster Collliery Co. Operator Location: Westminster Collliery Co., Moss, Wrexham, Denbighshire Periodic Type: Carboniferous Geology: Main Coal (North Wales) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A8SW (S)	602	2	330844 353554
71	**BGS Recorded Mineral Sites** Site Name: Westminster Colliery No. 2 Shaft Location: , Moss, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 198543 Type: Underground **Status: Ceased** Operator: Westminster Brymbo Coal & Coke Co., Ltd. Operator Location: Westminster Brymbo Coal & Coke Co., Ltd., Wrexham, Denbighshire Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A8SW (S)	608	2	330983 353518
72	**BGS Recorded Mineral Sites** Site Name: Bryn-Mally Location: , Brymbo, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 138189 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A12SW (W)	609	2	330346 354226

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
73	**BGS Recorded Mineral Sites** Site Name: Cerni Location: Gwalia Street, Moss, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 198548 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Cefn Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	618	2	330468 353856
74	**BGS Recorded Mineral Sites** Site Name: Westminster Colliery No. 5 Shaft Location: , Moss, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 198546 Type: Underground **Status: Ceased** Operator: Westminster Collliery Co. Operator Location: Westminster Collliery Co., Moss, Wrexham, Denbighshire Periodic Type: Carboniferous Geology: Main Coal (North Wales) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A8SW (S)	629	2	330764 353556
75	**BGS Recorded Mineral Sites** Site Name: Bryn-Mally Location: , Brymbo, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 138190 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A12SW (W)	653	2	330331 354085
76	**BGS Recorded Mineral Sites** Site Name: Gwersyllt Colliery Location: , Gwersyllt, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 198554 Type: Underground **Status: Ceased** Operator: Westminster Collliery Co. Operator Location: Westminster Collliery Co., Moss, Wrexham, Denbighshire Periodic Type: Carboniferous Geology: Main Coal (North Wales) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	669	2	331644 353741
76	**BGS Recorded Mineral Sites** Site Name: Gwersyllt Colliery Location: , Gwersyllt, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 198555 Type: Underground **Status: Ceased** Operator: Westminster Collliery Co. Operator Location: Westminster Collliery Co., Moss, Wrexham, Denbighshire Periodic Type: Carboniferous Geology: Main Coal (North Wales) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	692	2	331647 353709
77	**BGS Recorded Mineral Sites** Site Name: Bryn-Mally Location: , Brymbo, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 138185 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A12SW (W)	691	2	330265 354213

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
78	**BGS Recorded Mineral Sites** Site Name: Windy Hill Location: , Llay, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 138117 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	724	2	330579 355044
79	**BGS Recorded Mineral Sites** Site Name: Old Llay Hall Occs Location: , Sydallt, Gwersyllt, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 4789 Type: Opencast **Status: Ceased** Operator: Nsm - Coal Contractors Ltd Operator Location: Nsm - Coal Contractors Ltd, Mansfield Road, Chesterfield, Derbyshire, S41 0jw Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Coal - Surface Mined Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	745	2	331700 354900
80	**BGS Recorded Mineral Sites** Site Name: Moss Wood Location: , Moss, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 198547 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Cefn Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8SW (S)	797	2	330927 353336
81	**BGS Recorded Mineral Sites** Site Name: Llay Hall Colliery Location: , Llay, Brymbo, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 138183 Type: Underground **Status: Ceased** Operator: Ncb Western Area Operator Location: Ncb Western Area, Staffordshire House, Berry Hill Road, Stoke-On-Trent, St4 2nh Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	804	2	331547 355134
81	**BGS Recorded Mineral Sites** Site Name: Llay Hall Colliery Location: , Llay, Brymbo, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 138184 Type: Underground **Status: Ceased** Operator: Ncb Western Area Operator Location: Ncb Western Area, Staffordshire House, Berry Hill Road, Stoke-On-Trent, St4 2nh Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	817	2	331532 355159

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
82	**BGS Recorded Mineral Sites** Site Name: Nant Location: , Ffrith, Brymbo, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 138168 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A12NW (W)	842	2	330105 354439
83	**BGS Recorded Mineral Sites** Site Name: Ffrwd Farm Location: , Ffrith, Caergwrle, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 138144 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A12NW (W)	865	2	330085 354473
83	**BGS Recorded Mineral Sites** Site Name: Nant Location: , Ffrith, Brymbo, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 138169 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A12NW (W)	882	2	330076 354520
84	**BGS Recorded Mineral Sites** Site Name: Nant Location: , Ffrith, Brymbo, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 138167 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A12NW (W)	886	2	330056 354359
85	**BGS Recorded Mineral Sites** Site Name: Cae-Pen-Ty Location: , Ffrith, Brymbo, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 138164 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	888	2	330189 354825
86	**BGS Recorded Mineral Sites** Site Name: Ffrwd Farm Location: , Ffrith, Caergwrle, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 138143 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A12NW (W)	898	2	330076 354592

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
87	**BGS Recorded Mineral Sites** Site Name: Llay Bank Clay Mine Location: , Llay, Brymbo, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 189913 Type: Underground **Status: Ceased** Operator: E. S. Clarke Operator Location: E. S. Clarke, Oak Alyn, Gwersyllt, Wrexham, Denbighshire Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Fireclay Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	899	2	331595 355216
88	**BGS Recorded Mineral Sites** Site Name: Moss Wood Location: , Moss, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 15642 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Cefn Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A3NW (S)	909	2	330993 353214
89	**BGS Recorded Mineral Sites** Site Name: Halcock Location: , Brymbo, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 138188 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A12SW (W)	913	2	330060 354105
90	**BGS Recorded Mineral Sites** Site Name: Nant Location: , Ffrith, Brymbo, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 138166 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A12NW (W)	913	2	330033 354438
91	**BGS Recorded Mineral Sites** Site Name: Moss Location: , Moss, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 184967 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Cefn Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A2NE (S)	917	2	330688 353275
92	**BGS Recorded Mineral Sites** Site Name: Gwalia Road Location: Gwalia Road, Moss, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 198540 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Cefn Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A7SE (SW)	918	2	330437 353421

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
93	**BGS Recorded Mineral Sites** Site Name: Wheasheaf Sand Pit Location: , Gwersyllt, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 184977 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Quaternary Geology: Glaciofluvial Sheet Deposits, Devensian Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	930	2	331660 353396
94	**BGS Recorded Mineral Sites** Site Name: Llay Bank Clay Mine Location: , Llay, Brymbo, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 189912 Type: Underground **Status: Ceased** Operator: E. S. Clarke Operator Location: E. S. Clarke, Oak Alyn, Gwersyllt, Wrexham, Denbighshire Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Fireclay Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	930	2	331565 355271
95	**BGS Recorded Mineral Sites** Site Name: Llay Bank Clay Mine Location: , Llay, Brymbo, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 138121 Type: Underground **Status: Ceased** Operator: E. S. Clarke Operator Location: E. S. Clarke, Oak Alyn, Gwersyllt, Wrexham, Denbighshire Periodic Type: Carboniferous Geology: Halesowen Formation Commodity: Fireclay Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	947	2	331522 355315
95	**BGS Recorded Mineral Sites** Site Name: Llay Bank Clay Mine Location: , Llay, Brymbo, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 189911 Type: Underground **Status: Ceased** Operator: E. S. Clarke Operator Location: E. S. Clarke, Oak Alyn, Gwersyllt, Wrexham, Denbighshire Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Fireclay Positional Accuracy: Located by supplier to within 10m	A24SW (NE)	991	2	331526 355363
96	**BGS Recorded Mineral Sites** Site Name: Llay Hall Colliery, Cefn-Y-Bedd Levels Location: , Llay, Brymbo, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 189908 Type: Underground **Status: Ceased** Operator: Llay Hall Colliery Co., Ltd. Operator Location: Llay Hall Colliery Co., Ltd., Cefn-Y-Bedd, Wrexham, Denbighshire Periodic Type: Carboniferous Geology: Main Coal (North Wales) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A23SE (N)	954	2	331276 355415
96	**BGS Recorded Mineral Sites** Site Name: Llay Hall Colliery, Cefn-Y-Bedd Levels Location: , Llay, Brymbo, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 189907 Type: Underground **Status: Ceased** Operator: Llay Hall Colliery Co., Ltd. Operator Location: Llay Hall Colliery Co., Ltd., Cefn-Y-Bedd, Wrexham, Denbighshire Periodic Type: Carboniferous Geology: Main Coal (North Wales) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A23SE (N)	970	2	331263 355435

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
97	**BGS Recorded Mineral Sites** Site Name: Cae-Pen-Ty Location: , Ffrith, Brymbo, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 138165 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	966	2	330108 354842
98	**BGS Recorded Mineral Sites** Site Name: Moss Location: , Moss, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 198537 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Cefn Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A3NW (S)	967	2	330756 353199
99	**BGS Recorded Mineral Sites** Site Name: Llay Bank Clay Mine Location: , Llay, Brymbo, Wrexham, Denbighshire Source: British Geological Survey, National Geoscience Information Service Reference: 189914 Type: Underground **Status: Ceased** Operator: E. S. Clarke Operator Location: E. S. Clarke, Oak Alyn, Gwersyllt, Wrexham, Denbighshire Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Fireclay Positional Accuracy: Located by supplier to within 10m	A19NE (NE)	982	2	331807 355143
100	**BGS Recorded Mineral Sites** Site Name: Ffrwd Wood Location: , Ffrith, Caergwrle, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 138138 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A17NW (NW)	988	2	330338 355183
101	**BGS Recorded Mineral Sites** Site Name: Cae-Pen-Ty Location: , Ffrith, Caergwrle, Wrexham, Clwyd Source: British Geological Survey, National Geoscience Information Service Reference: 138140 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	994	2	330144 354946
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13SE (SW)	0	7	331045 354302

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SE (SW)	0	-	331045 354302
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	2	331026 354359
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	2	331045 354302
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	2	331045 354302
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	180	2	330768 354283
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	2	331045 354302
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	2	331045 354302
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	113	2	330825 354350
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	141	2	330804 354384
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	174	2	330772 354309
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	2	331045 354302
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	109	2	330825 354350
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	180	2	330768 354283
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	2	331045 354302
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	92	2	330867 354444
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	109	2	331010 354017
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	245	2	331347 354424
	Radon Potential - Radon Affected Areas Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	2	331045 354302
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	2	331045 354302

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
102	**Contemporary Trade Directory Entries** Name: A Tudor Location: Mount Villa, Top Road, Summerhill, Wrexham, Clwyd, LL11 4TE Classification: Coal & Smokeless Fuel Merchants & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	195	-	330892 353984
103	**Contemporary Trade Directory Entries** Name: R Pugh Location: The Old Drill Hall,Top Rd, Summerhill, Wrexham, Clwyd, LL11 4TE Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A8NW (S)	260	-	330907 353896
103	**Contemporary Trade Directory Entries** Name: M A P Engineering Services Location: Top Rd, Summerhill, Wrexham, Clwyd, LL11 4SR Classification: Engineers - General **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A8NW (S)	278	-	330921 353870
104	**Contemporary Trade Directory Entries** Name: Summerhill Motors Location: Summerhill Road, Summerhill, Wrexham, Clwyd, LL11 4SP Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (S)	272	-	330977 353861
105	**Contemporary Trade Directory Entries** Name: Eaton House Cars Location: Eaton House, Bottom Road, Summerhill, Wrexham, Clwyd, LL11 4TW Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (S)	334	-	331130 353790
106	**Contemporary Trade Directory Entries** Name: Bray Motors Location: Pendwll Rd, Moss, Wrexham, Clwyd, LL11 6EU Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A7NE (SW)	454	-	330658 353858
107	**Contemporary Trade Directory Entries** Name: G Roberts Location: Mold Road, Gwersyllt, Wrexham, Clwyd, LL11 4AH Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (SE)	543	-	331646 354050
107	**Contemporary Trade Directory Entries** Name: Parkwall Service Station Location: Mold Road, Gwersyllt, Wrexham, Clwyd, LL11 4AH Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (SE)	543	-	331646 354050
108	**Contemporary Trade Directory Entries** Name: S Warburton Roofing Services Location: Mondray, Francis Road, Moss, Wrexham, Clwyd, LL11 6EH Classification: Fascias and Soffits **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	567	-	330538 353834
109	**Contemporary Trade Directory Entries** Name: I M P S 2000 Location: Unit 5/6, Celtic Industrial Estate, Top Road, Summerhill, Wrexham, Clwyd, LL11 4SN Classification: Chemicals & Allied Products **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	576	-	330977 353551
110	**Contemporary Trade Directory Entries** Name: P & W Precision Engineering Location: Unit 2 & 7, Celtic Industrial Estate, Top Road, Summerhill, Wrexham, Clwyd, LL11 4SN Classification: Precision Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	579	-	330948 353553

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
110	**Contemporary Trade Directory Entries** Name: Jerome Engineering Ltd Location: Unit 1, Celtic Industrial Estate, Top Road, Summerhill, Wrexham, Clwyd, LL11 4SN Classification: Engineers - General **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	585	-	330926 353552
111	**Contemporary Trade Directory Entries** Name: Westminster Garage Location: Westminster Road, Moss, Wrexham, Clwyd, LL11 6DN Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	584	-	330720 353629
112	**Contemporary Trade Directory Entries** Name: Concrete Products (North Wales) Ltd Location: Mold Road, Gwersyllt, Wrexham, Clwyd, LL11 4AF Classification: Concrete Products **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	585	-	331581 353798
113	**Contemporary Trade Directory Entries** Name: Del'S Paint & Body Location: upper road, Summerhill, Wrexham, Clwyd, LL11 4TW Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A8SW (S)	628	-	330783 353548
114	**Contemporary Trade Directory Entries** Name: Kent Supplies Location: Westminster Industrial Estate, Mold Road, Gwersyllt, Wrexham, Clwyd, LL11 4AF Classification: Builders' Merchants **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	708	-	331596 353630
114	**Contemporary Trade Directory Entries** Name: Shefley'S Car Dealers Location: Mold Road, Gwersyllt, Wrexham, Clwyd, LL11 4AF Classification: Car Dealers - Used **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	708	-	331596 353630
115	**Contemporary Trade Directory Entries** Name: Chris Roberts Location: Brake Rd, Moss, Wrexham, Clwyd, LL11 6DU Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A7SE (SW)	718	-	330528 353608
116	**Contemporary Trade Directory Entries** Name: Phil Roberts Part Worn Tyres Location: 2, Brake Road, Moss, Wrexham, Clwyd, LL11 6DU Classification: Tyre Dealers **Status: Active** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	741	-	330573 353539
117	**Contemporary Trade Directory Entries** Name: Power Glaze Location: Llay Hall Ind Est,Mold Rd, Cefn-y-Bedd, Wrexham, Clwyd, LL12 9YG Classification: Window Frames - Sales & Service **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A19NW (NE)	773	-	331578 355071
117	**Contemporary Trade Directory Entries** Name: Wrexham Autobody Location: Unit B,Central Buildings,Llay Hall Industrial Estate,Mold Rd, Cefn-Y-Bedd, Wrexham, Clwyd, LL12 9YG Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A19NW (NE)	794	-	331624 355060
118	**Contemporary Trade Directory Entries** Name: M A Hughes Transport Location: Unit 1a Llay Hall Ind Est Mold rd, Cefn-Y-Bedd, Wrexham, Clwyd, LL12 9YG Classification: Road Haulage Services **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A19NW (NE)	796	-	331523 355140

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
118	**Contemporary Trade Directory Entries** Name: Dragon Narrow Boats Location: Llay Hall,Cfen Y Bedd, Wrexham, Clwyd, LL12 9YJ Classification: Boatbuilders & Repairers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A19NW (NE)	810	-	331533 355150
118	**Contemporary Trade Directory Entries** Name: Wrought Iron Design Location: Mold Road, Cefn-y-Bedd, Wrexham, Clwyd, LL12 9YG Classification: Wrought Ironwork **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19NW (NE)	856	-	331545 355197
118	**Contemporary Trade Directory Entries** Name: 247 Roller Shutters & Garage Doors Location: Unit 2/B, Alyn Industrial Estate, Mold Road, Cefn-y-Bedd, Wrexham, Clwyd, LL12 9YG Classification: Roller Shutter Manufacturers **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A19NW (NE)	856	-	331545 355197
119	**Contemporary Trade Directory Entries** Name: A C M Carpet Cleaning Location: 11, Heol yr Eglwys, Gwersyllt, Wrexham, Clwyd, LL11 4HA Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	800	-	331460 353421
120	**Contemporary Trade Directory Entries** Name: R C J Precision Ltd Location: Llay Hall Industrial Estate, Mold Road, Cefn-y-Bedd, WREXHAM, Clwyd, LL12 9YG Classification: Precision Engineers **Status: Active** Positional Accuracy: Automatically positioned to the address	A19NW (NE)	802	-	331468 355179
120	**Contemporary Trade Directory Entries** Name: Oakwood Office Furniture Location: Mold Road, Cefn-y-Bedd, Wrexham, Clwyd, LL12 9YG Classification: Office Furniture & Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19NW (NE)	803	-	331495 355166
121	**Contemporary Trade Directory Entries** Name: A J M Classic Auto Bodies Location: Llay Hall Ind Est,Mold Rd, Cefn-y-Bedd, Wrexham, Clwyd, LL12 9YG Classification: Classic Car Specialists **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A19NW (N)	806	-	331418 355210
121	**Contemporary Trade Directory Entries** Name: Bob Francis Crane Hire Location: Llay Hall Indust Est, Cefn Y Bedd, Wrexham, Clwyd, LL12 9YG Classification: Crane Hire, Sales & Service **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A19NW (NE)	809	-	331424 355211
122	**Contemporary Trade Directory Entries** Name: Statimeter A E L Ltd Location: Llay Hall Industrial Estate, Mold Road, Cefn-y-Bedd, Wrexham, Clwyd, LL12 9YG Classification: Hydraulic Equipment & Accessories - Sales & Service **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19NW (N)	829	-	331421 355234
122	**Contemporary Trade Directory Entries** Name: The Appliance Centre Location: Alyn Vale Cottage, Mold Road, Cefn-y-Bedd, Wrexham, Clwyd, LL12 9YG Classification: Domestic Appliances - Servicing, Repairs & Parts **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19NW (N)	863	-	331436 355265
122	**Contemporary Trade Directory Entries** Name: Alyn Hydraulic & Equipment Location: Alyn Vale Cottage, Mold Road, Cefn-y-Bedd, Wrexham, Clwyd, LL12 9YG Classification: Hydraulic Engineers **Status: Active** Positional Accuracy: Automatically positioned to the address	A19NW (N)	863	-	331436 355265

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
122	**Contemporary Trade Directory Entries** Name: Wrexham Autobody Location: Alyn Vale Cottage, Mold Road, Cefn-y-Bedd, Wrexham, Clwyd, LL12 9YG Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19NW (N)	863	-	331436 355265
123	**Contemporary Trade Directory Entries** Name: Miniquip Heritage Restorations Location: Unit G Mold Rd, Cefn-y-Bedd, Wrexham, Clwyd, LL12 9YG Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A18NE (N)	830	-	331321 355274
124	**Contemporary Trade Directory Entries** Name: L D Auto Services Location: Summerhill Road, Summerhill, Wrexham, Clwyd, LL11 4SP Classification: Garage Services **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A8SE (S)	830	-	331176 353296
125	**Contemporary Trade Directory Entries** Name: Woodcraft Fencing Ltd Location: Mold Road, Cefn-y-Bedd, WREXHAM, Clwyd, LL12 9YG Classification: Fencing Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A19NW (NE)	866	-	331495 355238
126	**Contemporary Trade Directory Entries** Name: A & A Domestics Location: 15, Ashbourne Avenue, Gwersyllt, Wrexham, Clwyd, LL11 4RR Classification: Washing Machines - Servicing & Repairs **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	868	-	331905 353795
127	**Contemporary Trade Directory Entries** Name: Nolan Engineering Ltd Location: Unit 1, Alyn Industrial Estate, Mold Road, Cefn-y-Bedd, Wrexham, Clwyd, LL12 9YG Classification: Engineers - General **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19NE (NE)	878	-	331715 355089
127	**Contemporary Trade Directory Entries** Name: Protective Coating Technology Ltd Location: Riverside House, Alyn Industrial Estate, Mold Road, Cefn-y-Bedd, Wrexham, Clwyd, LL12 9YG Classification: Spraying - Paint & Coatings **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19NE (NE)	894	-	331719 355107
127	**Contemporary Trade Directory Entries** Name: J A Tyre Services Ltd Location: Unit J,Alyn Ind Est,Mold Rd, Cefn-y-Bedd, Wrexham, Clwyd, LL12 9YG Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A19NE (NE)	894	-	331742 355084
127	**Contemporary Trade Directory Entries** Name: K & L Engineering Location: Unit 1c,Alyn Ind Est,Mold Rd, Cefn-Y-Bedd, Wrexham, Clwyd, LL12 9YG Classification: Engineers - General **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A19NE (NE)	895	-	331741 355086
127	**Contemporary Trade Directory Entries** Name: Autotorque Race Developments Location: Alyn Ind Est,Mold Rd, Cefn-y-Bedd, Wrexham, Clwyd, LL12 9YG Classification: Car Engine Tuning & Diagnostic Services **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A19NE (NE)	896	-	331742 355087
127	**Contemporary Trade Directory Entries** Name: Nolan Engineering Location: Unit 1f,Alyn Ind Est,Mold Rd, Cefn-Y-Bedd, Wrexham, Clwyd, LL12 9YG Classification: Engineers - General **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A19NE (NE)	921	-	331762 355101

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
128	**Contemporary Trade Directory Entries** Name: Domestic Cleaning Location: 3, Menai Way, Gwersyllt, Wrexham, Clwyd, LL11 4ND Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	899	-	331857 353643
129	**Contemporary Trade Directory Entries** Name: Williams Commercial Bodies Ltd Location: Mold Road, Gwersyllt, Wrexham, Clwyd, LL11 4AE Classification: Commercial Vehicle Bodybuilders & Repairers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	927	-	331611 353365
130	**Contemporary Trade Directory Entries** Name: Premier Installations Location: Unit 1/E, Alyn Industrial Estate, Mold Road, Cefn-y-Bedd, Wrexham, Clwyd, LL12 9YG Classification: Brewers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19NE (NE)	929	-	331779 355095
130	**Contemporary Trade Directory Entries** Name: Industrial Electronics Location: The Old Winding Ho,Alyn Indust Est, Cefn Y Bedd, Wrexham, Clwyd, LL12 9YG Classification: Electronic Engineers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A19NE (NE)	940	-	331797 355092
130	**Contemporary Trade Directory Entries** Name: Stonewood Precision Ltd Location: Unit 1, Riverside Business Park, Mold Road, Cefn-y-Bedd, Wrexham, Clwyd, LL12 9YG Classification: Wood Products, Except Furniture - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19NE (NE)	943	-	331772 355123
130	**Contemporary Trade Directory Entries** Name: Key Food Ingredients Ltd Location: Unit 4,Riverside Business Pk,Mold Rd, Cefn-y-Bedd, Wrexham, Clwyd, LL12 9YG Classification: Oils - Edible **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A19NE (NE)	965	-	331812 355112
131	**Contemporary Trade Directory Entries** Name: N & K Motors Location: Summerhill Rd, Summerhill, Wrexham, Clwyd, LL11 4SP Classification: Mechanical Engineers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A3NE (S)	947	-	331240 353188
132	**Contemporary Trade Directory Entries** Name: E Cunnah & Son Ltd Location: Bryn Haul, Black Lane Road, Pentre Broughton, Wrexham, Clwyd, LL11 6BB Classification: Oil Fuel Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SW (SW)	951	-	330337 353469
133	**Contemporary Trade Directory Entries** Name: Fairway Location: Mold Rd, Gwersyllt, Wrexham, Clwyd, LL11 4AF Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A9SE (SE)	965	-	331788 353458
134	**Contemporary Trade Directory Entries** Name: Taylors Refrigeration Location: The Woodlands, Mold Road, Cefn-y-Bedd, Wrexham, Clwyd, LL12 9YG Classification: Refrigerators & Freezers - Servicing & Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A24SW (N)	974	-	331388 355403
135	**Contemporary Trade Directory Entries** Name: Tyres & Punctures Ltd Location: Mold Rd, Cefn-y-Bedd, Wrexham, Clwyd, LL12 9UR Classification: Tyre Repairs & Retreading **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A23SE (N)	978	-	331219 355451

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
136	**Fuel Station Entries** Name: Spar Gwersyllt Location: Mold Road, Gwersyllt, Wrexham, Clwyd, LL11 4AH Brand: Shell Premises Type: Petrol Station **Status: Open** Positional Accuracy: Manually positioned to the address or location	A14SW (SE)	534	-	331636 354049
137	**Points of Interest - Commercial Services** Name: Brian Jones Location: Roseneath, Bottom Road, Summerhill, Wrexham, Clwyd, LL11 4TR Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A13SE (S)	76	8	331041 354050
138	**Points of Interest - Commercial Services** Name: Summerhill Motors Location: Summerhill Road, Summerhill, Wrexham, LL11 4SP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NW (S)	272	8	330977 353861
138	**Points of Interest - Commercial Services** Name: Summerhill Motors Location: Adriola, Top Road, Summerhill, Wrexham, LL11 4TE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NW (S)	310	8	330995 353819
139	**Points of Interest - Commercial Services** Name: Spar Gwersyllt Location: Mold Road, Gwersyllt, Wrexham, LL11 4AH Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A14SW (SE)	534	8	331636 354049
139	**Points of Interest - Commercial Services** Name: Car Wash Location: Mold Road, Gwersyllt, Wrexham, LL11 4AH Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A14SW (SE)	534	8	331636 354049
140	**Points of Interest - Commercial Services** Name: Chris Roberts Location: 2 Brake Road, Moss, Wrexham, LL11 6DU Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7SE (SW)	741	8	330573 353539
141	**Points of Interest - Commercial Services** Name: M A Hughes Transport Location: Unit 1a Llay Hall Industrial Estate, Mold Road, Cefn-Y-Bedd, Wrexham, LL12 9YG Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A19NW (NE)	804	8	331495 355166
142	**Points of Interest - Commercial Services** Name: Wrexham Autobody Location: Alyn Vale Cottage, Mold Road, Cefn-y-Bedd, Wrexham, LL12 9YG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19NW (N)	863	8	331436 355265
142	**Points of Interest - Commercial Services** Name: Wrexham Autobody Location: Llay Hall Industrial Estate, Mold Road, Cefn-y-Bedd, Wrexham, LL12 9YG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19NW (NE)	912	8	331463 355306
143	**Points of Interest - Manufacturing and Production** Name: Shaft Location: LL12 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A18SW (NW)	365	8	330747 354710

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
144	**Points of Interest - Manufacturing and Production** Name: Quarry (Disused) Location: LL12 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A18SW (NW)	430	8	330768 354819
145	**Points of Interest - Manufacturing and Production** Name: Works Location: LL11 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	481	8	331483 353841
146	**Points of Interest - Manufacturing and Production** Name: Tank Location: LL11 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	536	8	330832 353628
147	**Points of Interest - Manufacturing and Production** Name: Workshops Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	557	8	330956 353575
148	**Points of Interest - Manufacturing and Production** Name: Works Location: LL11 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	566	8	331606 353872
148	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	573	8	331615 353873
149	**Points of Interest - Manufacturing and Production** Name: Shaft Location: LL12 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A17NE (NW)	729	8	330586 355057
149	**Points of Interest - Manufacturing and Production** Name: Shafts Location: LL12 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	744	8	330574 355066
149	**Points of Interest - Manufacturing and Production** Name: Shaft Location: LL12 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A17NE (NW)	758	8	330563 355075
150	**Points of Interest - Manufacturing and Production** Name: Works Location: LL12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A19NW (NE)	805	8	331463 355186
150	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A19NW (NE)	820	8	331473 355197
151	**Points of Interest - Manufacturing and Production** Name: Tank Location: LL11 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A9NE (SE)	866	8	331822 353652

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
151	**Points of Interest - Manufacturing and Production** Name: Tanks Location: LL11 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	866	8	331822 353652
152	**Points of Interest - Manufacturing and Production** Name: Alyn Industrial Estate Location: LL12 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A19NE (NE)	915	8	331773 355080
153	**Points of Interest - Manufacturing and Production** Name: K Steven Location: Clayton Road, Pentre Broughton, Wrexham, LL11 6BW Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A12SW (W)	918	8	330075 354017
154	**Points of Interest - Manufacturing and Production** Name: Shaft Location: LL12 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A17SW (W)	930	8	330064 354661
155	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	939	8	331638 353369
156	**Points of Interest - Manufacturing and Production** Name: Shaft Location: LL12 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A17NW (NW)	988	8	330338 355184
157	**Points of Interest - Public Infrastructure** Name: Spar Gwersyllt Location: Mold Road, Gwersyllt, Wrexham, Clwyd, LL11 4AH Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14SW (SE)	534	8	331636 354049
157	**Points of Interest - Public Infrastructure** Name: Shell - Spar Gwersyllt Location: Mold Road, Gwersyllt, Wrexham, LL11 4AH Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14SW (SE)	536	8	331638 354049
157	**Points of Interest - Public Infrastructure** Name: Park Wall Service Station Location: Mold Road, Gwersyllt, Wrexham, LL11 4AH Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14SW (SE)	543	8	331646 354050
158	**Points of Interest - Public Infrastructure** Name: Refuse Tip (Disused) Location: LL11 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	637	8	331552 353687
159	**Points of Interest - Public Infrastructure** Name: Burial Ground Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A7SE (SW)	719	8	330560 353578
159	**Points of Interest - Public Infrastructure** Name: Burial Ground Location: LL11 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A7SE (SW)	723	8	330553 353579

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
160	**Points of Interest - Public Infrastructure** Name: Slurry Lagoon Location: LL11 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A12SW (W)	831	8	330162 354028
160	**Points of Interest - Public Infrastructure** Name: Slurry Lagoon Location: LL11 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A12SW (W)	867	8	330112 354080
161	**Points of Interest - Public Infrastructure** Name: Refuse Tip (Disused) Location: LL11 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A7SW (SW)	988	8	330218 353554
162	**Points of Interest - Public Infrastructure** Name: Cemetery Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A2NE (SW)	989	8	330585 353242
162	**Points of Interest - Public Infrastructure** Name: Cemetery Location: LL11 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A2NE (SW)	995	8	330573 353241
163	**Points of Interest - Recreational and Environmental** Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	244	8	330991 353887

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Flintshire Council - Environmental Health Department	April 2014	Annual Rolling Update
Wrexham County Borough Council - Public Protection Department	August 2015	Annually
Denbighshire County Council - Public Protection Department	January 2015	Annual Rolling Update
Discharge Consents		
Environment Agency - Welsh Region	August 2014	Quarterly
Natural Resources Wales	January 2016	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - Welsh Region	March 2013	As notified
Integrated Pollution Controls		
Environment Agency - Welsh Region	October 2008	Not Applicable
Integrated Pollution Prevention And Control		
Environment Agency - Welsh Region	January 2016	Quarterly
Natural Resources Wales	October 2015	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Wrexham County Borough Council - Environmental Health Department	April 2014	Annual Rolling Update
Flintshire Council - Environmental Health Department	April 2016	Annual Rolling Update
Denbighshire County Council - Environmental Health Department	March 2013	Annual Rolling Update
Local Authority Pollution Prevention and Controls		
Wrexham County Borough Council - Environmental Health Department	April 2014	Annual Rolling Update
Flintshire Council - Environmental Health Department	April 2016	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	Annual Rolling Update
Flintshire Council - Environmental Health Department	April 2016	Annual Rolling Update
Denbighshire County Council - Environmental Health Department	December 2014	Annual Rolling Update
Nearest Surface Water Feature		
Ordnance Survey	July 2012	Quarterly
Pollution Incidents to Controlled Waters		
Environment Agency - Welsh Region	December 1998	Not Applicable
Prosecutions Relating to Authorised Processes		
Environment Agency - Welsh Region	March 2013	As notified
Natural Resources Wales	March 2013	As notified
Prosecutions Relating to Controlled Waters		
Environment Agency - Welsh Region	March 2013	As notified
Natural Resources Wales	March 2013	As notified
River Quality		
Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points		
Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points		
Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register		
Environment Agency Wales - North Area	January 2016	Quarterly
Natural Resources Wales	January 2016	Quarterly
Water Abstractions		
Natural Resources Wales	April 2015	Quarterly
Environment Agency - Welsh Region	January 2016	Quarterly
Natural Resources Wales	January 2016	Quarterly
Water Industry Act Referrals		
Environment Agency - Welsh Region	January 2016	Quarterly
Natural Resources Wales	October 2015	Quarterly

Agency & Hydrological	Version	Update Cycle
Groundwater Vulnerability		
Environment Agency - Head Office	April 2015	Not Applicable
Drift Deposits		
Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations		
British Geological Survey - National Geoscience Information Service	August 2015	As notified
Superficial Aquifer Designations		
British Geological Survey - National Geoscience Information Service	August 2015	As notified
Source Protection Zones		
Environment Agency - Head Office	January 2016	Quarterly
Natural Resources Wales	July 2015	Quarterly
Extreme Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	February 2016	Quarterly
Natural Resources Wales	January 2015	Quarterly
Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	February 2016	Quarterly
Natural Resources Wales	January 2015	Quarterly
Areas Benefiting from Flood Defences		
Environment Agency - Head Office	February 2016	Quarterly
Flood Water Storage Areas		
Environment Agency - Head Office	February 2016	Quarterly
Flood Defences		
Environment Agency - Head Office	February 2016	Quarterly
Detailed River Network Lines		
Environment Agency - Head Office	March 2012	Annually
Detailed River Network Offline Drainage		
Environment Agency - Head Office	March 2012	Annually
Surface Water 1 in 30 year Flood Extent		
Natural Resources Wales	October 2013	As notified
Surface Water 1 in 100 year Flood Extent		
Natural Resources Wales	October 2013	As notified
Surface Water 1 in 1000 year Flood Extent		
Natural Resources Wales	October 2013	As notified
Surface Water Suitability		
Natural Resources Wales	October 2013	As notified
BGS Groundwater Flooding Susceptibility		
British Geological Survey - National Geoscience Information Service	May 2013	Annually

Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites		
Natural Resources Wales	March 2016	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - Welsh Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency Wales - North Area	February 2016	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency Wales - North Area	January 2016	Quarterly
Natural Resources Wales	October 2015	Quarterly
Local Authority Landfill Coverage		
Denbighshire County Council - Environmental Health Department	May 2000	Not Applicable
Flintshire Council - Environmental Health Department	May 2000	Not Applicable
Wrexham County Borough Council	May 2000	Not Applicable
Local Authority Recorded Landfill Sites		
Wrexham County Borough Council	June 2003	Not Applicable
Denbighshire County Council - Environmental Health Department	May 2000	Not Applicable
Flintshire Council - Environmental Health Department	May 2000	Not Applicable
Potentially Infilled Land (Non-Water)		
Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water)		
Landmark Information Group Limited	December 1999	Not Applicable
Registered Landfill Sites		
Environment Agency Wales - North Area	March 2003	Not Applicable
Registered Waste Transfer Sites		
Environment Agency Wales - North Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites		
Environment Agency Wales - North Area	March 2003	Not Applicable
Hazardous Substances	**Version**	**Update Cycle**
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	February 2016	Bi-Annually
Explosive Sites		
Health and Safety Executive	February 2016	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements		
Denbighshire County Council - Planning Department	February 2016	Annual Rolling Update
Wrexham County Borough Council - Planning Department	February 2016	Annual Rolling Update
Flintshire Council	January 2016	Annual Rolling Update
Planning Hazardous Substance Consents		
Denbighshire County Council - Planning Department	February 2016	Annual Rolling Update
Wrexham County Borough Council - Planning Department	February 2016	Annual Rolling Update
Flintshire Council	January 2016	Annual Rolling Update

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	October 2015	Annually
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2015	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	As notified
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	As notified
Industrial Land Use	**Version**	**Update Cycle**
Contemporary Trade Directory Entries Thomson Directories	March 2016	Quarterly
Fuel Station Entries Catalist Ltd - Experian	November 2015	Quarterly
Gas Pipelines National Grid	July 2014	Quarterly
Points of Interest - Commercial Services PointX	March 2016	Quarterly
Points of Interest - Education and Health PointX	March 2016	Quarterly
Points of Interest - Manufacturing and Production PointX	March 2016	Quarterly
Points of Interest - Public Infrastructure PointX	March 2016	Quarterly
Points of Interest - Recreational and Environmental PointX	March 2016	Quarterly
Underground Electrical Cables National Grid	January 2016	Bi-Annually

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural Resources Wales	January 2014	Bi-Annually
Areas of Outstanding Natural Beauty Natural Resources Wales	October 2015	Bi-Annually
Environmentally Sensitive Areas The National Assembly for Wales - GI Services (Department of Planning & Countryside)	August 2008	Annually
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Denbighshire County Council Flintshire Council Wrexham County Borough Council	October 2015 October 2015 October 2015	Bi-Annually Bi-Annually Bi-Annually
Marine Nature Reserves Natural Resources Wales	October 2015	Bi-Annually
National Nature Reserves Natural Resources Wales	October 2015	Bi-Annually
Nitrate Sensitive Areas Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	October 2015	Not Applicable
Nitrate Vulnerable Zones The National Assembly for Wales - GI Services (Department of Planning & Countryside)	October 2005	Annually
Ramsar Sites Natural Resources Wales	October 2015	Bi-Annually
Sites of Special Scientific Interest Natural Resources Wales	October 2015	Bi-Annually
Special Areas of Conservation Natural Resources Wales	October 2015	Bi-Annually
Special Protection Areas Natural Resources Wales	October 2015	Bi-Annually

Data Suppliers

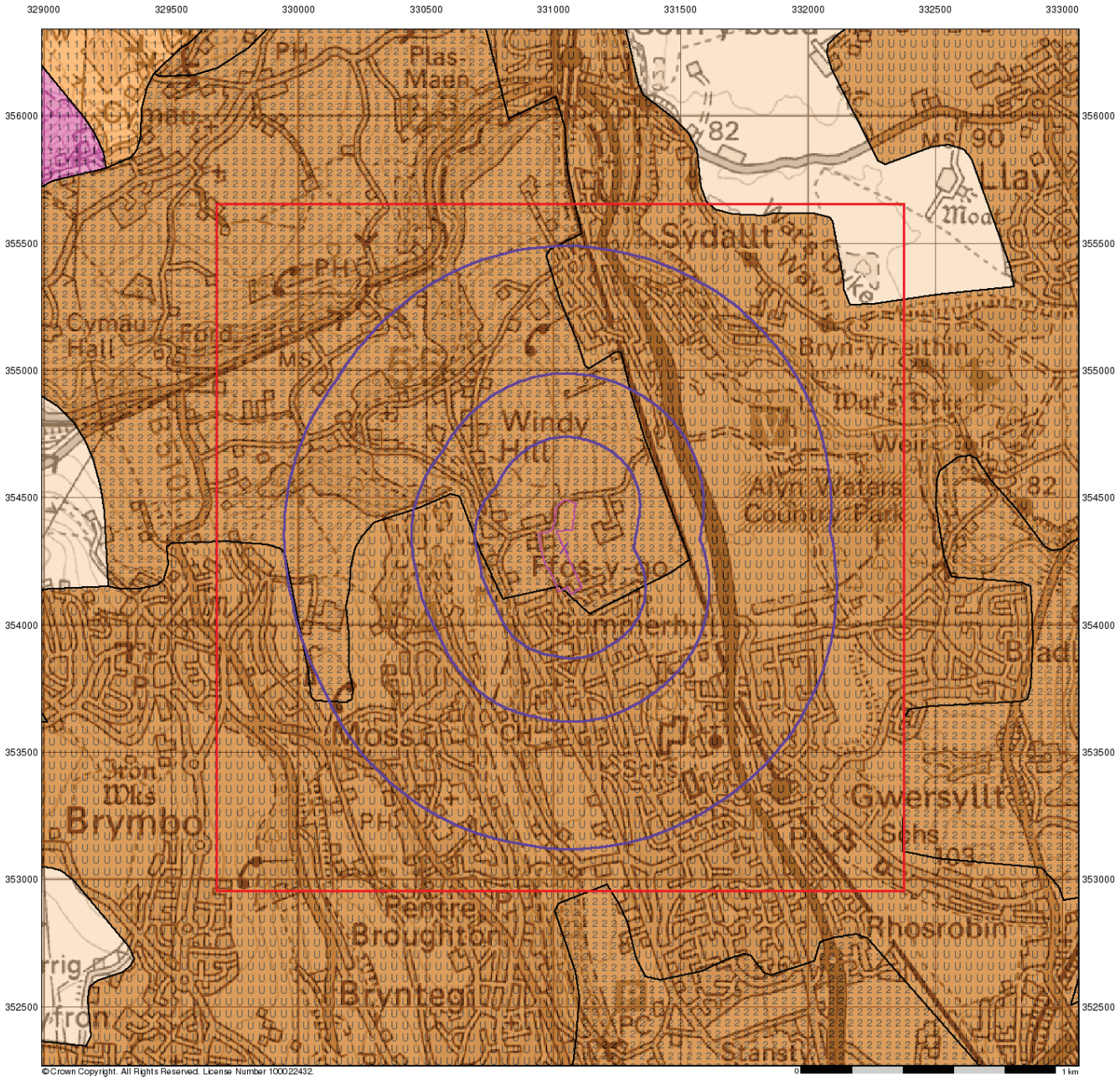
A selection of organisations who provide data within this report

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	
Peter Brett Associates	

Useful Contacts

Contact	Name and Address	Contact Details
2	**British Geological Survey - Enquiry Service** British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
3	**Natural Resources Wales** Ty Cambria, 29 Newport Road, Cardiff, CF24 0TP	Telephone: 0300 065 3000 Email: enquiries@naturalresourceswales.gov.uk
4	**Wrexham County Borough Council - Environmental Health Department** Crown Buildings, P O Box 1297, Wrexham, Clwyd, LL13 8ZE	Telephone: 01978 297038 Fax: 01978 292502 Website: www.wrexham.gov.uk
5	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
6	**Wrexham County Borough Council** Lampet Street, Guildhall, Wrexham, Clwyd, LL11 1WL	Telephone: 01978 292000 Fax: 01978 292502 Website: www.wrexham.gov.uk
7	**The Coal Authority - Property Searches** 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk
8	**PointX** 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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



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Groundwater Vulnerability

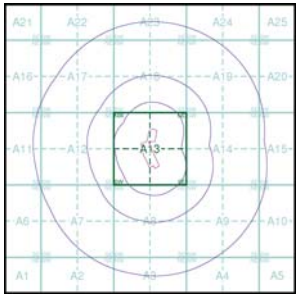
General

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

Agency and Hydrological

Geological Classes	Soil Classes
Major Aquifer (Highly Permeable)	High (H) 1, 2, 3, U
	Intermediate (I) 1, 2
	Low
Minor Aquifer (Variably Permeable)	High (H) 1, 2, 3, U
	Intermediate (I) 1, 2
	Low
Non Aquifer (Negligibly Permeable)	
Water or Sea	
Drift Deposit	

Site Sensitivity Context Map - Slice A



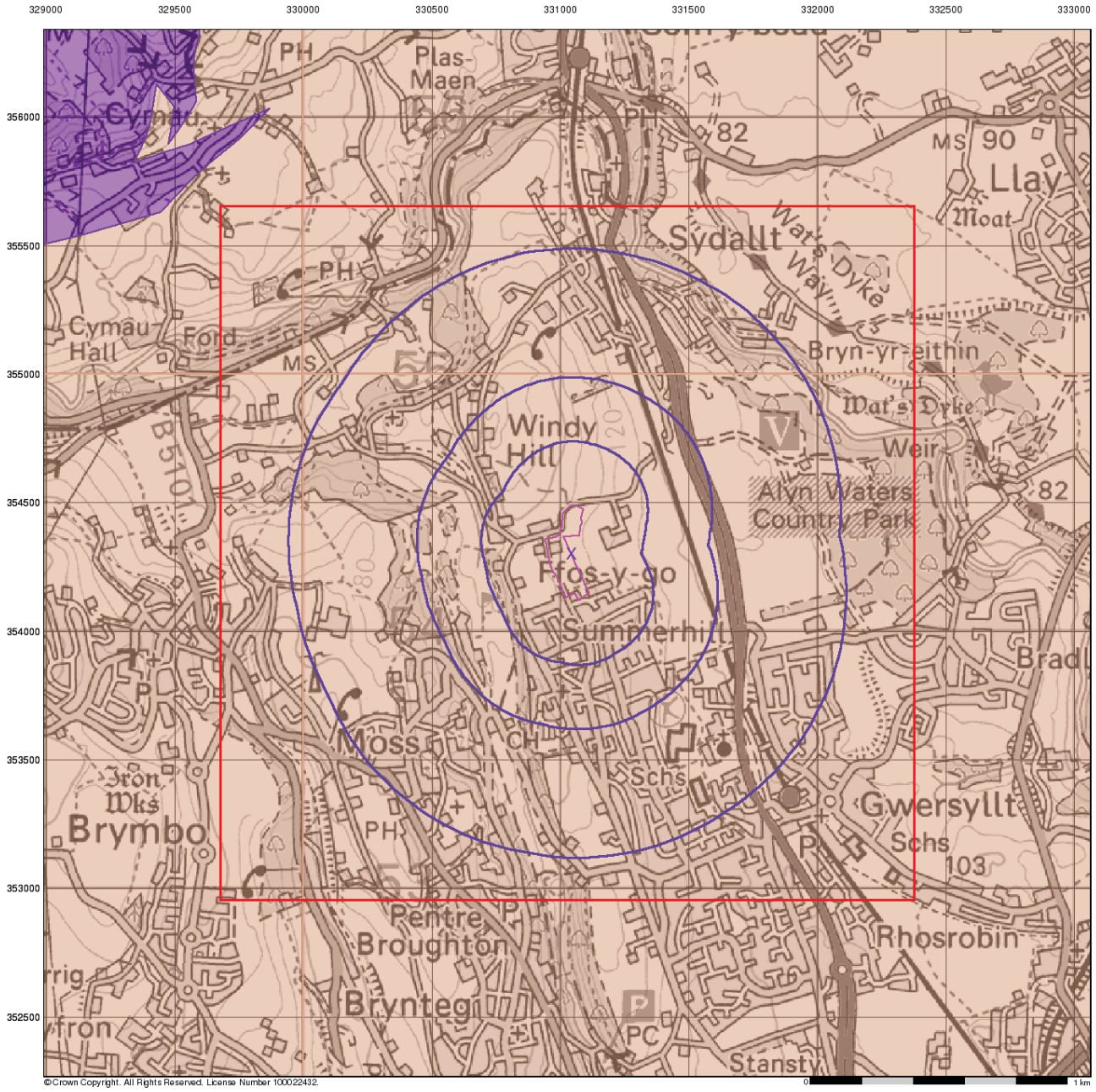
Order Details

Order Number:	84701701_1_1
Customer Ref:	48048
National Grid Reference:	331040, 354300
Slice:	A
Site Area (Ha):	2.95
Search Buffer (m):	1000

Site Details

Land east of Bottom Road, Summerhill,
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Web: www.envirocheck.co.uk



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Bedrock Aquifer Designation

General

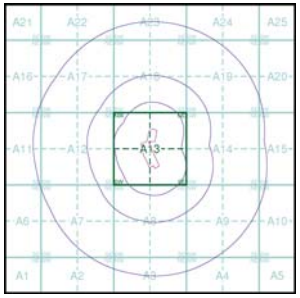
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A

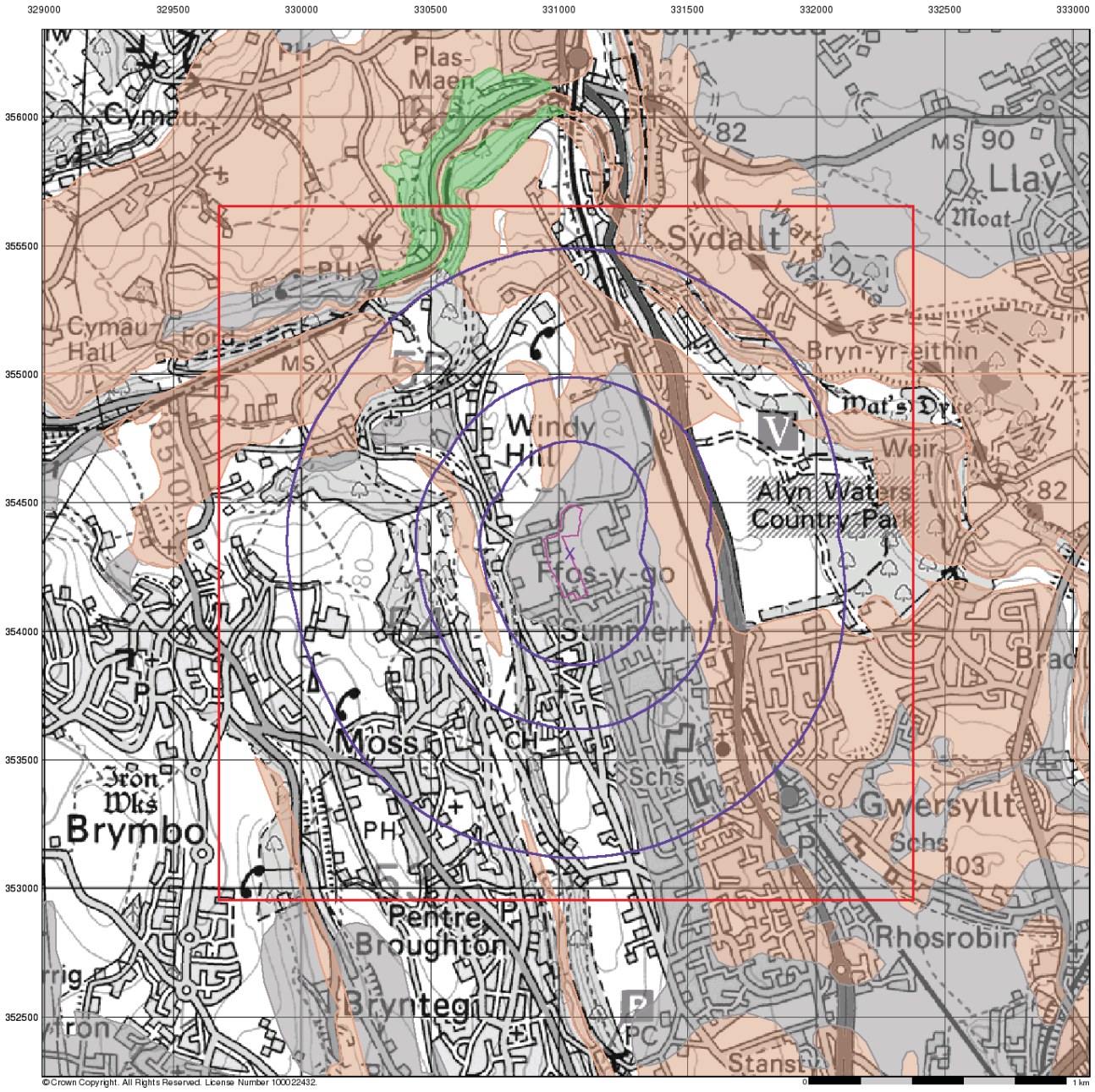


Order Details

Order Number:	84701701_1_1
Customer Ref:	48048
National Grid Reference:	331040, 354300
Slice:	A
Site Area (Ha):	2.95
Search Buffer (m):	1000

Site Details

Land east of Bottom Road, Summerhill,



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Superficial Aquifer Designation

General

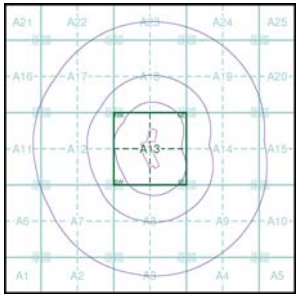
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A

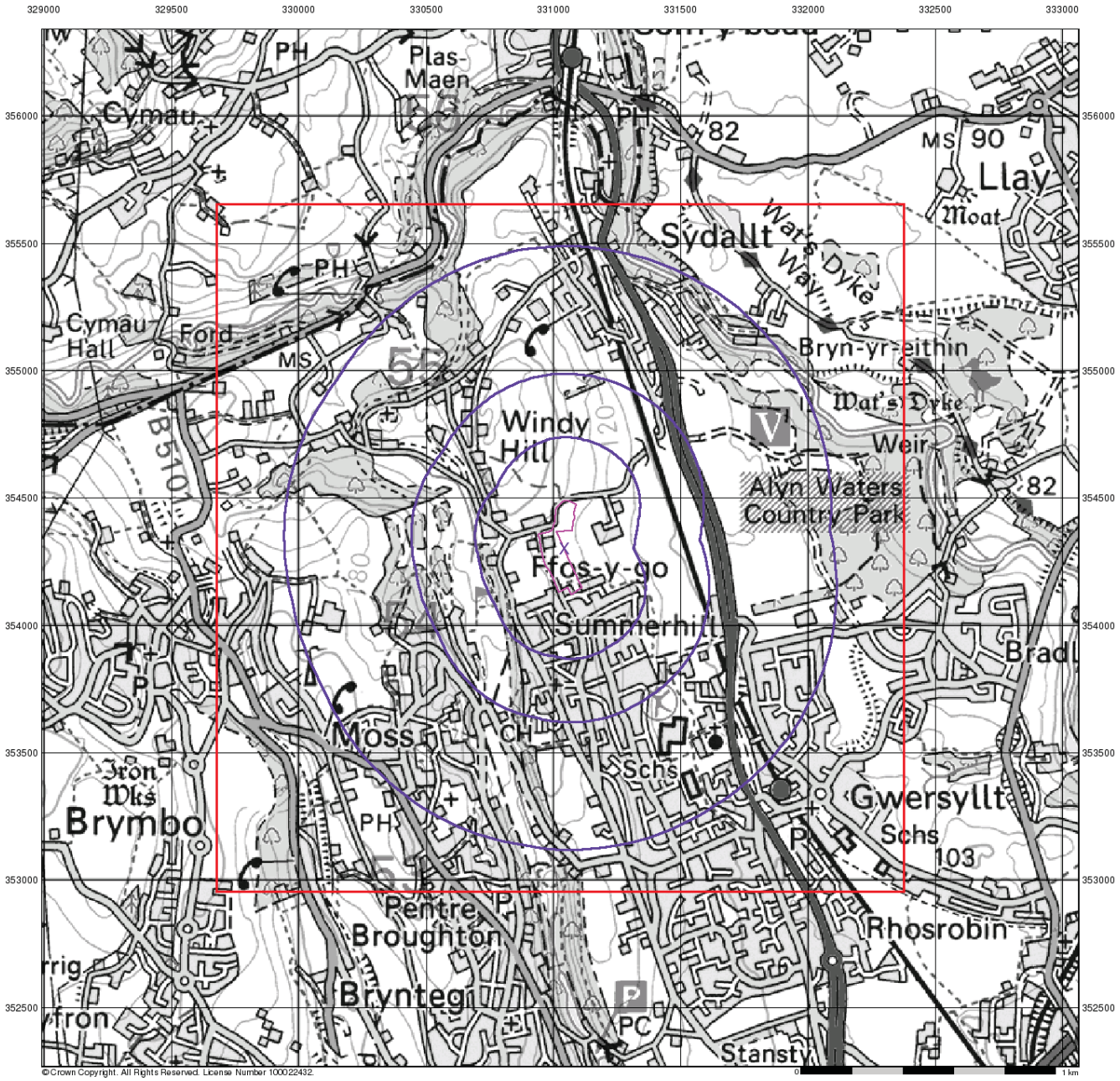


Order Details

Order Number:	84701701_1_1
Customer Ref:	48048
National Grid Reference:	331040, 354300
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Site Area (Ha):	2.95
Search Buffer (m):	1000

Site Details

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Source Protection Zones

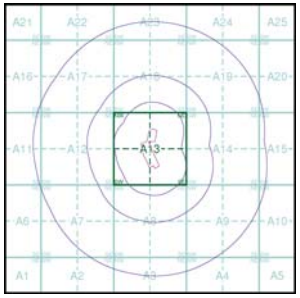
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



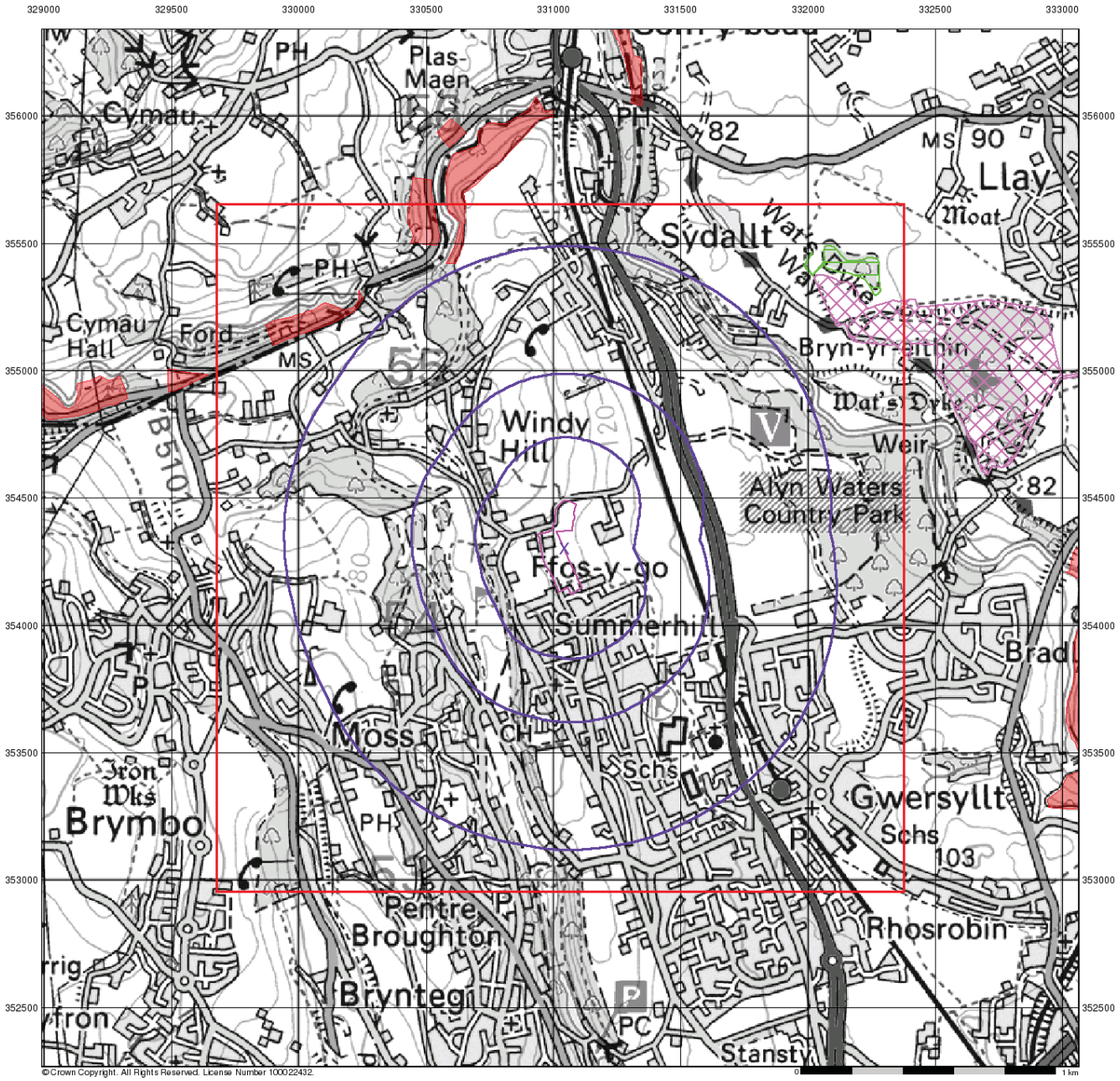
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Order Number:	84701701_1_1
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National Grid Reference:	331040, 354300
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Search Buffer (m):	1000

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Sensitive Land Uses

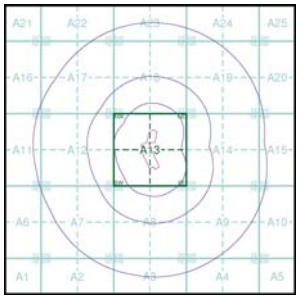
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A

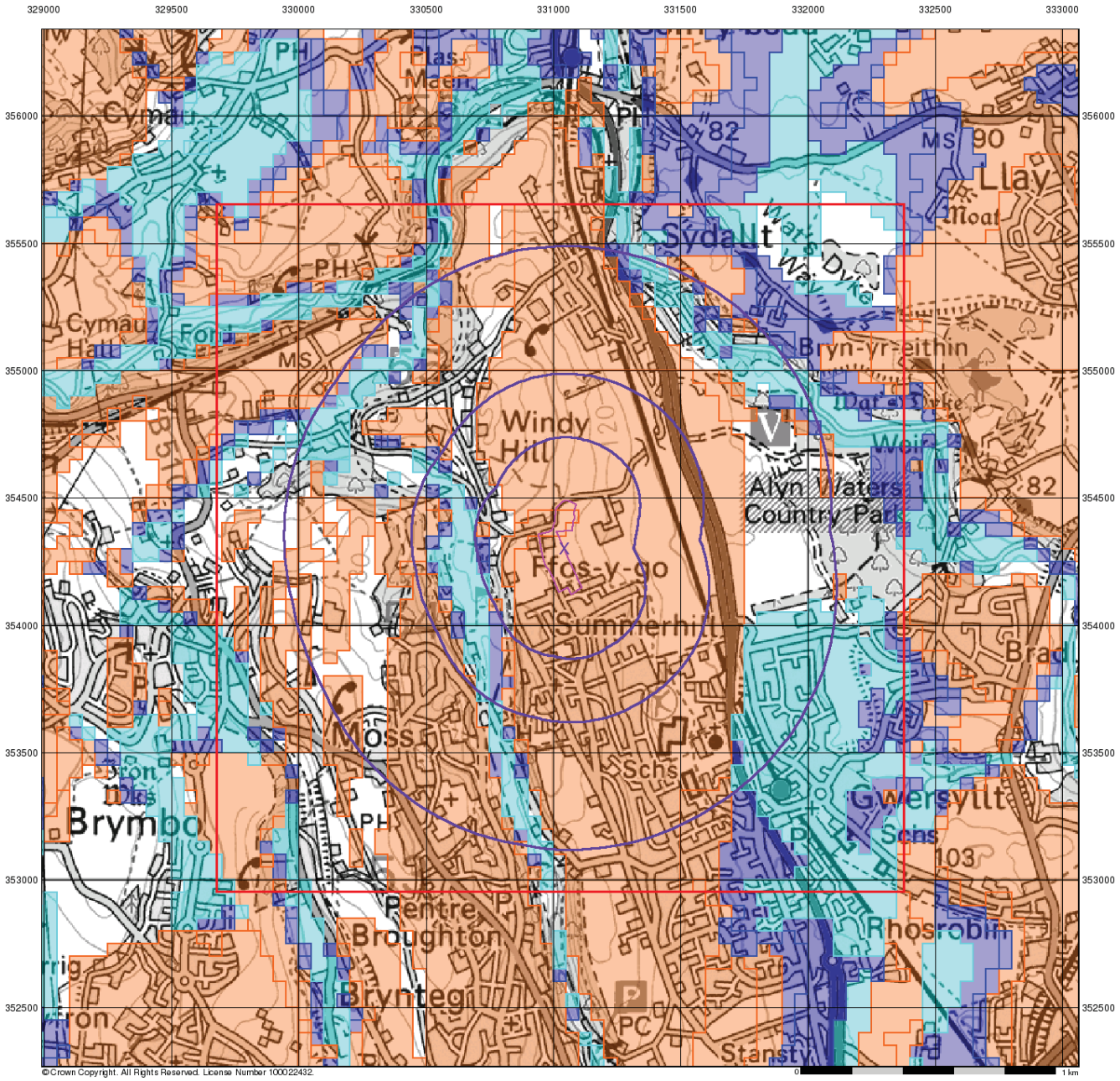


Order Details

Order Number:	84701701_1_1
Customer Ref:	48048
National Grid Reference:	331040, 354300
Slice:	A
Site Area (Ha):	2.95
Search Buffer (m):	1000

Site Details

Land east of Bottom Road, Summerhill,



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BGS Flood GFS Data

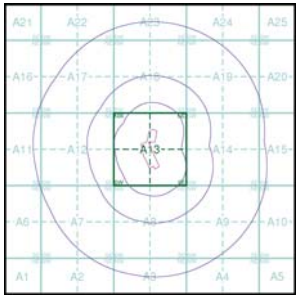
General

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

Agency and Hydrological (Flood)

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

Site Sensitivity Context Map - Slice A



Order Details

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Customer Ref:	48048
National Grid Reference:	331040, 354300
Slice:	A
Site Area (Ha):	2.95
Search Buffer (m):	1000

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General

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

Agency and Hydrological

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

Hazardous Substances

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

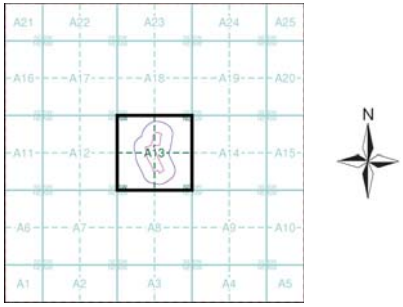
Geological

- BGS Recorded Mineral Site

Waste

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

Site Sensitivity Map - Segment A13



Order Details

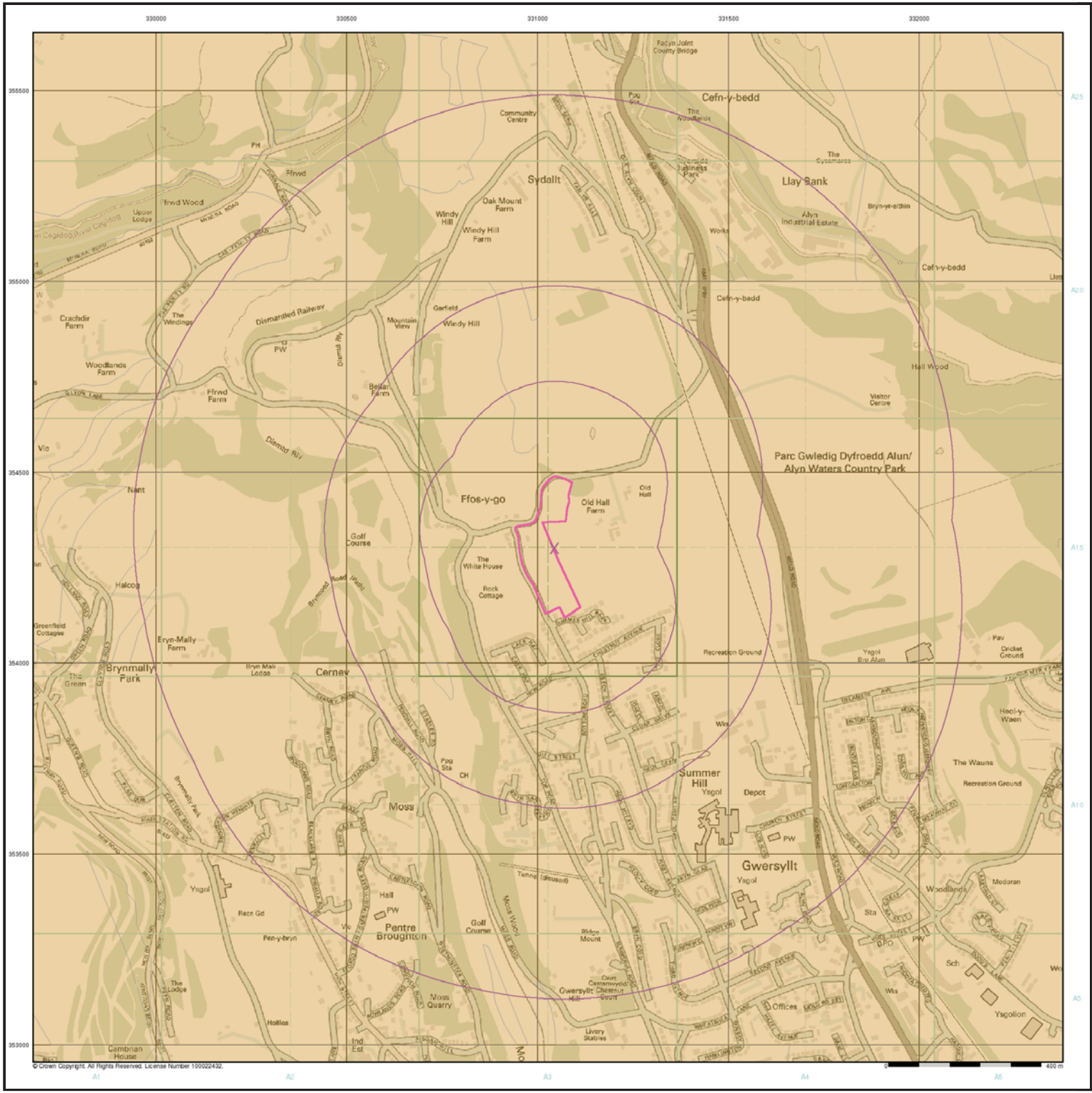
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Customer Ref:	48048
National Grid Reference:	331040, 354300
Slice:	A
Site Area (Ha):	2.95
Plot Buffer (m):	100

Site Details

Land east of Bottom Road, Summerhill,
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General

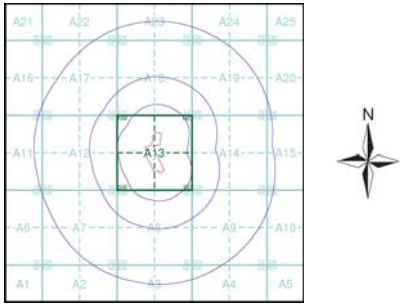
Specified Site | Specified Buffer(s) | Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg

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

Estimated Soil Chemistry Arsenic - Slice A



Order Details

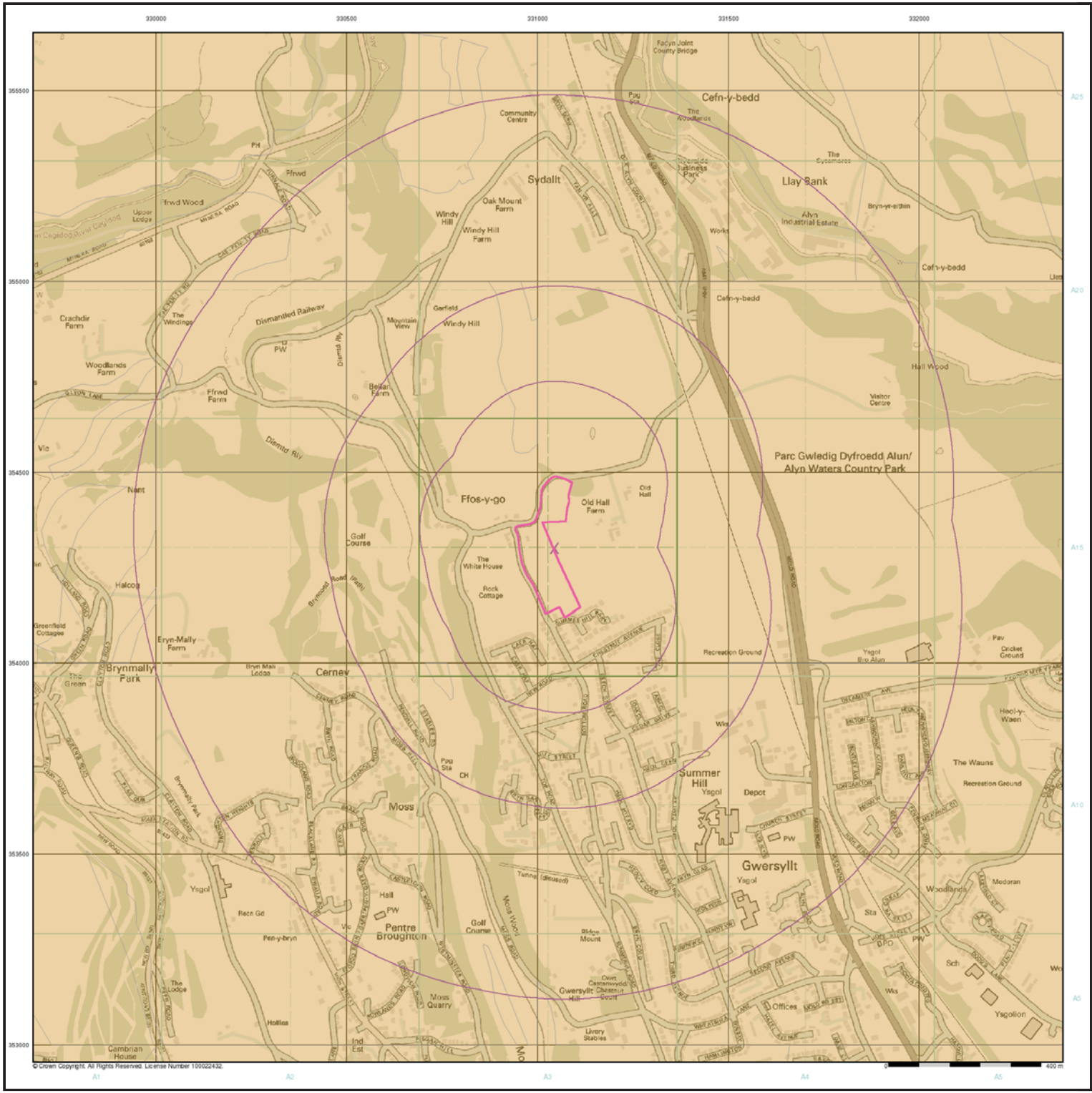
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National Grid Reference:	331040, 354300
Slice:	A
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Search Buffer (m):	1000

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General

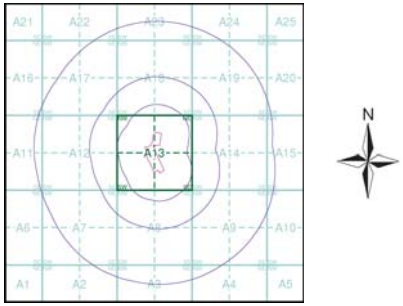
Specified Site | Specified Buffer(s) | Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg

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

Estimated Soil Chemistry Cadmium - Slice A



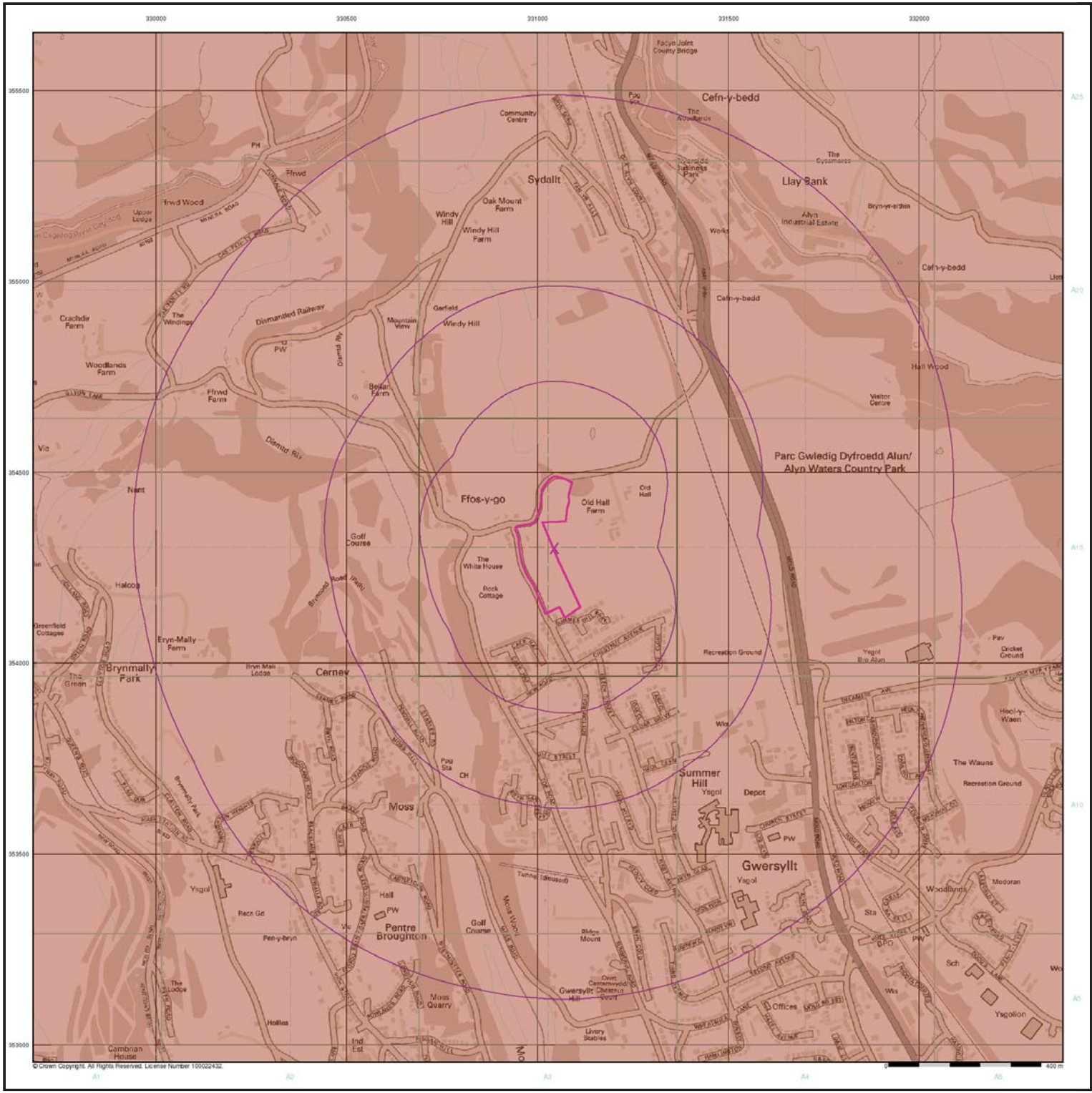
Order Details

Order Details:	84701701_1_1
Customer Ref:	48048
National Grid Reference:	331040, 354300
Slice:	A
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General

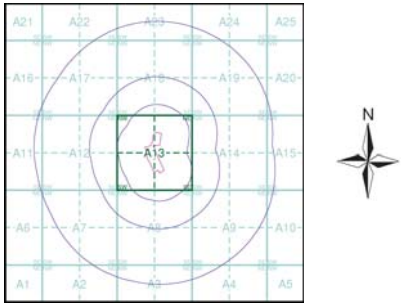
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg

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

Estimated Soil Chemistry Chromium - Slice A

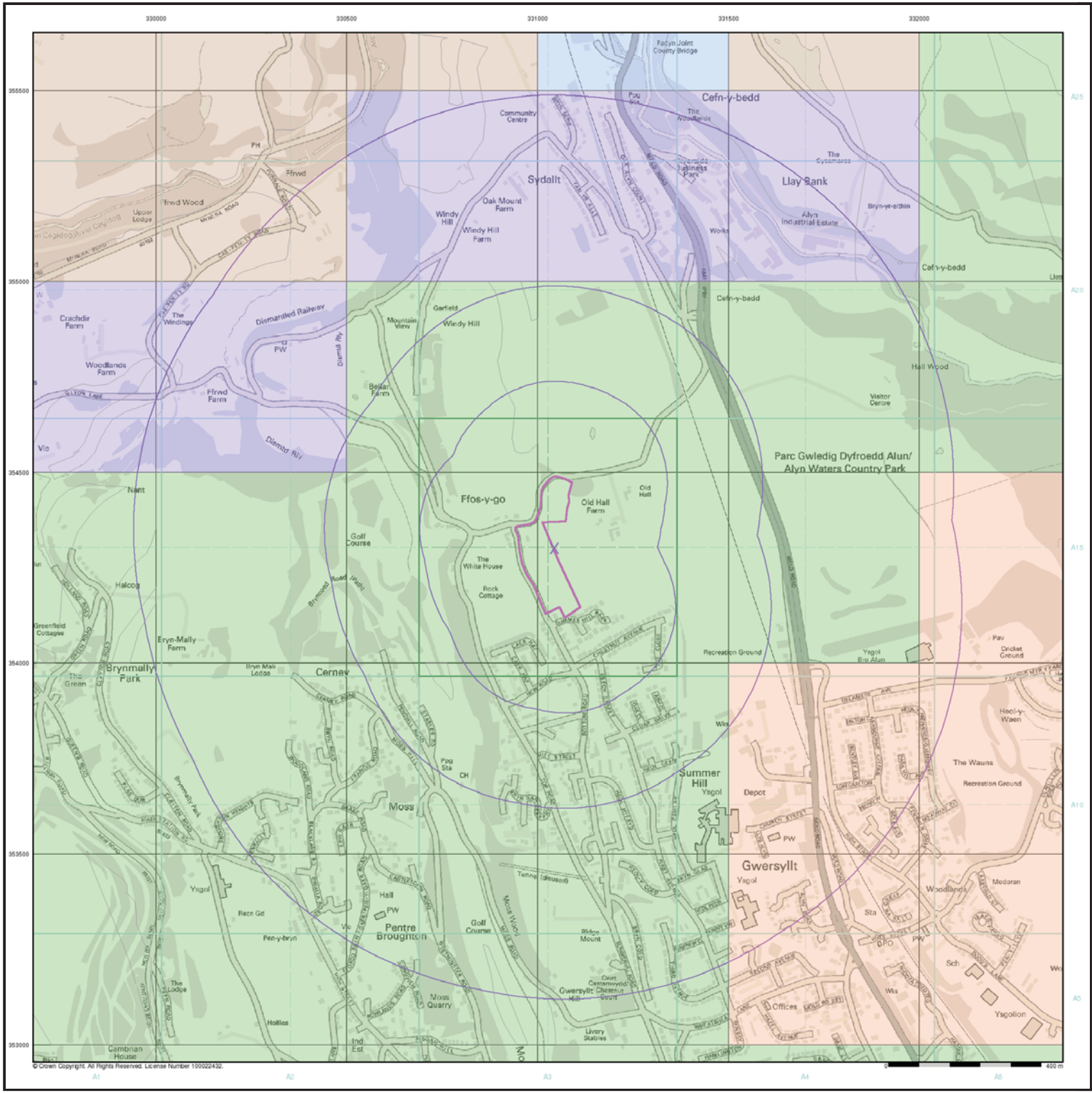


Order Details

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Customer Ref:	48048
National Grid Reference:	331040, 354300
Slice:	A
Site Area (Ha):	2.95
Search Buffer (m):	1000

Site Details

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General

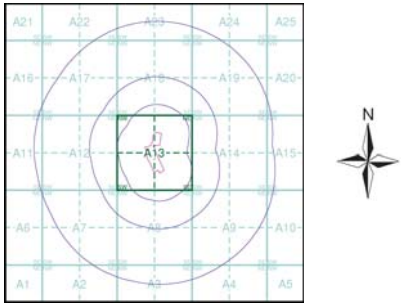
Specified Site | Specified Buffer(s) | Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg

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

Estimated Soil Chemistry Lead - Slice A



Order Details

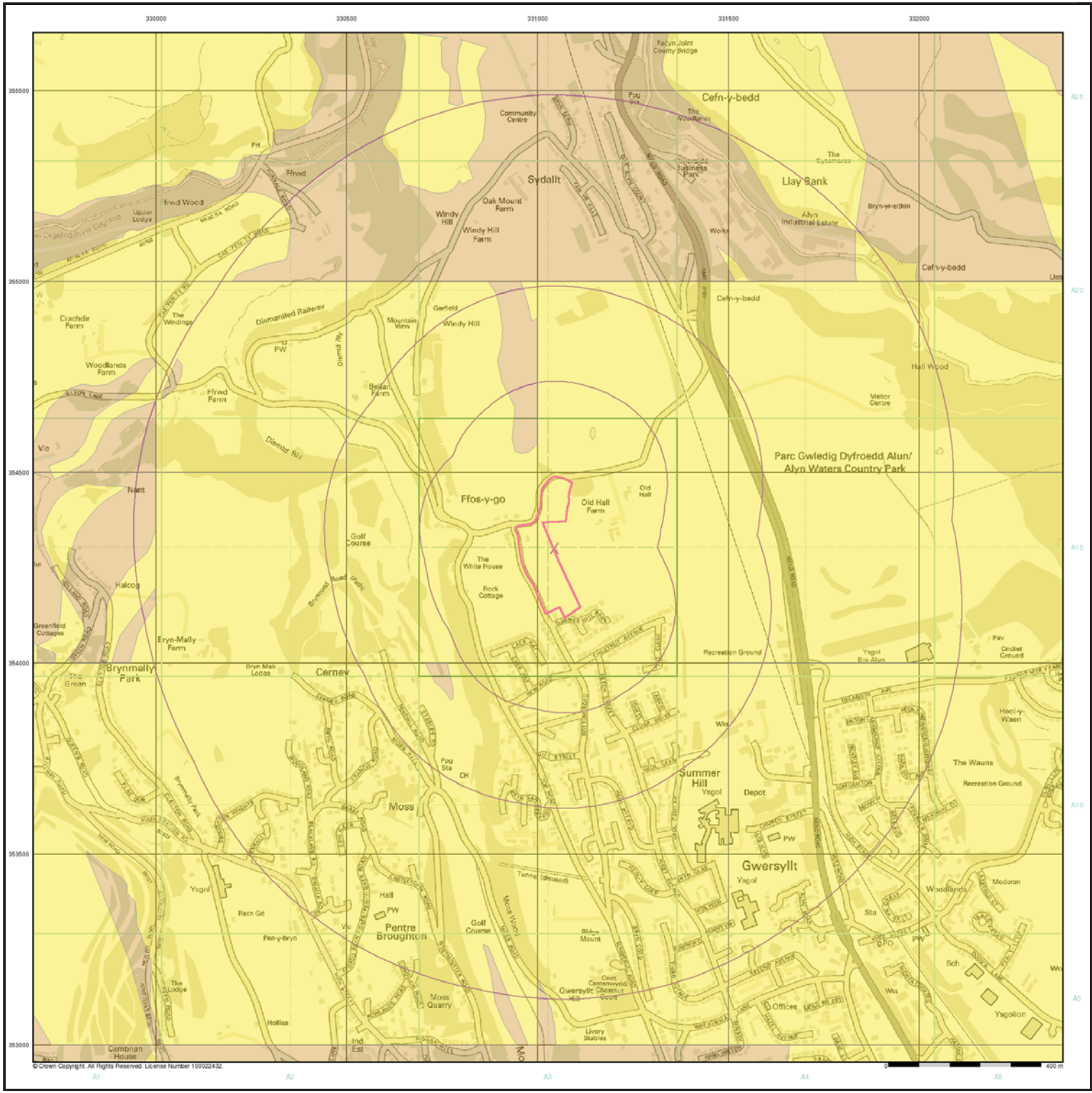
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National Grid Reference:	331040, 354300
Slice:	A
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Search Buffer (m):	1000

Site Details

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General

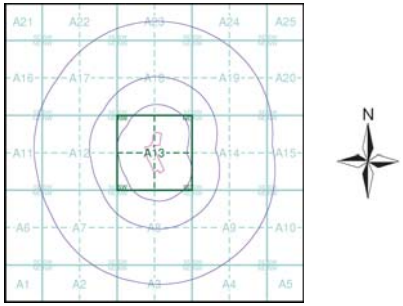
Specified Site | Specified Buffer(s) | Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg

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

Estimated Soil Chemistry Nickel - Slice A



Order Details

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APPENDIX C:

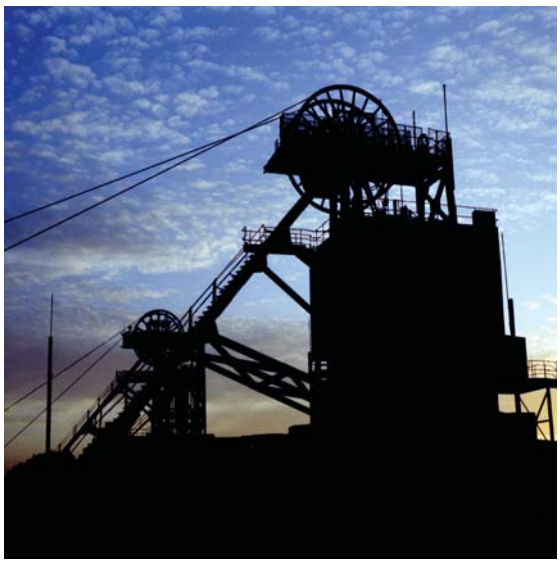
COAL AUTHORITY MINING REPORT

The Coal Authority

Resolving the impacts of mining

CON29M Non-Residential Mining Report







BOTTOM ROAD
SUMMERHILL
CLWYD
WREXHAM

Date of enquiry:	18 April 2016
Date enquiry received:	18 April 2016
Issue date:	18 April 2016
Our reference:	51001144942001
Your reference:	84701701_2|

CON29M Non-Residential Mining Report

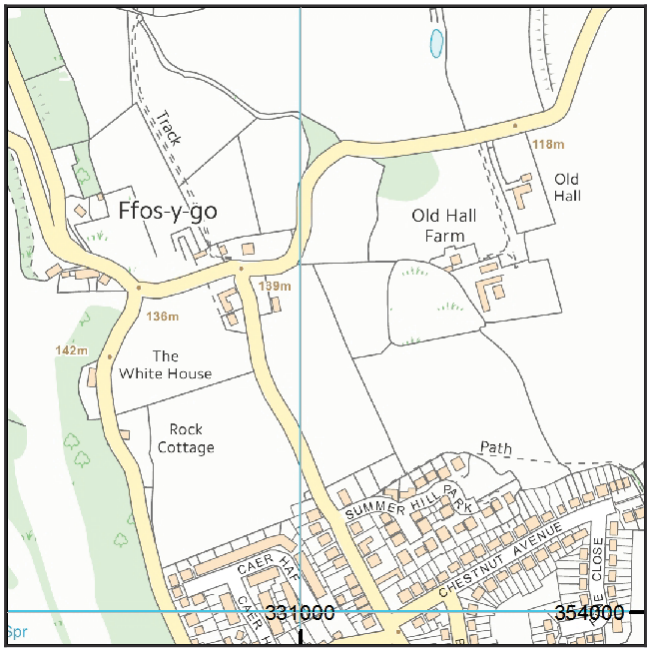
This report is based on, and limited to, the records held by the Coal Authority and the Cheshire Brine Subsidence Compensation Board's records, at the time we answer the search.

Client name

LANDMARK INFORMATION GROUP LIMITED

Enquiry address

LAND EAST OF BOTTOM ROAD, SUMMERHILL, CLWYD, WREXHAM



Approximate position of property

Mapping sourced from Ordnance Survey

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Summary

Has the enquiry boundary identified evidence of		
1	Past underground coal mining	Yes
2	Present underground coal mining	No
3	Future underground coal mining	Yes
4	Mine entries	Yes
5	Coal mining geology	No
6	Past opencast coal mining	No
7	Present opencast coal mining	No
8	Future opencast coal mining	No
9	Coal mining subsidence	No
10	Mine gas	No
11	Hazards related to coal mining	No
12	Withdrawal of support	No
13	Working facilities order	No
14	Payments to owners of former copyhold land	No
15	Information from the Cheshire Brine Subsidence Compensation Board	No

For detailed findings, please go to page 4.

Detailed findings

1. Past underground coal mining

The property is in a surface area that could be affected by underground mining in 11 seams of coal at shallow to 300m depth, and last worked in 1935.

2. Present underground coal mining

The property is not within a surface area that could be affected by present underground mining.

3. Future underground coal mining

The property is not in an area where the Coal Authority has plans to grant a licence to remove coal using underground methods.

The property is not in an area where a licence has been granted to remove or otherwise work coal using underground methods.

The property is not in an area likely to be affected from any planned future underground coal mining.

However, reserves of coal exist in the local area which could be worked at some time in the future.

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

4. Mine entries

There are no known coal mine entries within, or within 20 metres of, the boundary of the property.

Records may be incomplete. Consequently, there may exist in the local area mine entries of which the Coal Authority has no knowledge.

5. Coal mining geology

The Coal Authority is not aware of any damage due to geological faults or other lines of weakness that have been affected by coal mining.

6. Past opencast coal mining
The property is not within the boundary of an opencast site from which coal has been removed by opencast methods.

7. Present opencast coal mining
The property does not lie within 200 metres of the boundary of an opencast site from which coal is being removed by opencast methods.

8. Future opencast coal mining
There are no licence requests outstanding to remove coal by opencast methods within 800 metres of the boundary.

The property is not within 800 metres of the boundary of an opencast site for which a licence to remove coal by opencast methods has been granted.

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

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

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

10. Mine gas
The Coal Authority has no record of a mine gas emission requiring action.

11. Hazards related to coal mining
The property has not been subject to remedial works, by or on behalf of the Authority, under its Emergency Surface Hazard Call Out procedures.

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

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

13. Working facilities order
The property is not in an area where an order has been made, under the provisions of the Mines (Working Facilities and Support) Acts 1923 and 1966 or any statutory modification or amendment thereof.

14. Payments to owners of former copyhold land

The property is not in an area where a relevant notice has been published under the Coal Industry Act 1975/Coal Industry Act 1994.

15. Information from the Cheshire Brine Subsidence Compensation Board

The property lies outside the Cheshire Brine Compensation District.

Comments on the Coal Authority information

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In view of the mining circumstances a prudent developer would seek appropriate technical advice before any works are undertaken.

Therefore if development proposals are being considered, technical advice relating to both the investigation of coal and former coal mines and their treatment should be obtained before beginning work on site. All proposals should apply good engineering practice developed for mining areas. No development should be undertaken that intersects, disturbs or interferes with any coal or mines of coal without the permission of the Coal Authority. Developers should be aware that the investigation of coal seams/former mines of coal may have the potential to generate and/or displace underground gases and these risks both under and adjacent to the development should be fully considered in developing any proposals. The need for effective measures to prevent gases entering into public properties either during investigation or after development also needs to be assessed and properly addressed. This is necessary due to the public safety implications of any development in these circumstances.

Additional remarks

Information provided by the Coal Authority in this report is compiled in response to the Law Society's Con29M Coal Mining and Brine Subsidence Claim enquiries. The said enquiries are protected by copyright owned by the Law Society of 113 Chancery Lane, London WC2A 1PL. Please note that Brine Subsidence Claim enquiries are only relevant for England and Wales. This report is prepared in accordance with the Law Society's Guidance Notes 2006, the User Guide 2006 and the Coal Authority and Cheshire Brine Board's Terms and Conditions applicable at the time the report was produced.

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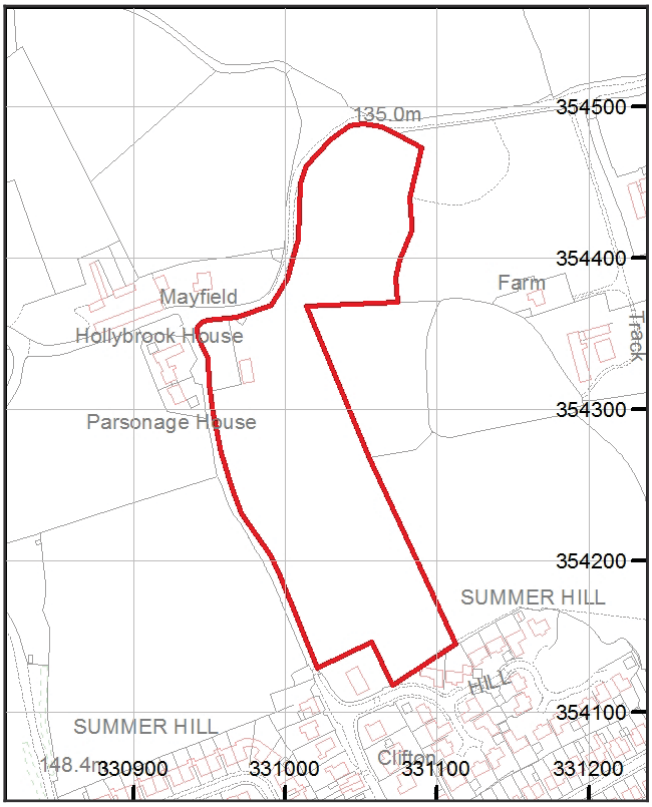
Alternative formats

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Enquiry boundary

Key

Approximate position of enquiry boundary shown



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