AAH planning consultants

FLOOD CONSEQUENCES ASSESSMENT

LAND EAST OF BOTTOM ROAD,

SUMMERHILL LL11 4TS

PROPOSED RESIDENTIAL DEVELOPMENT

APRIL 2016

JOB REFERENCE: 48048

Contents

1.0 Introduction 3
2.0 Existing Site 4
3.0 Development Proposal 5
4.0 Flood Risk Assessment 6
Fluvial Flooding 6
Static/Artificial Watercourse Flood Risk 6
Groundwater Flooding 7
Pluvial Flooding 7
5.0 Surface Water Drainage 9
Source Control - Pervious Pavements 9
Soakaways 9
Discharge to a Watercourse/Sewer 10
Preliminary Drainage Proposals 11
On-site Soakaway design 11
Foul water drainage 12
6.0 Conclusions 12

APPENDIX A CONTOUR PLAN
APPENDIX B INFILTRATION CALCULATIONS
APPENDIX C ENVIROCHECK DATA

1.0 Introduction

1.1 AAH Planning Consultants have been commissioned to provide a Flood Consequences Assessment (FCA) and outline drainage proposals in support of a proposed residential development on a 2.8 hectare plot of land located immediately to the east of Bottom Road, Summerhill, grid reference SJ 310 543.

1.2 Technical Advice Note 15 (TAN 15) identifies that an FCA report is required for developments in Flood Zones C1 and C2. In areas of Flood Zone B, site levels should be checked against the extreme flood outline for locally occurring watercourses. In Flood Zone A, fluvial/tidal flood risk need not be considered further, but consideration must be given to the consequences of increased runoff.

1.3 The site is in an area classified by Natural Resources Wales (NRW) as Flood Zone 1, under the jurisdiction of Wrexham County Borough Council and Welsh Water (Dŵr Cymru), each of whom have been consulted about the proposed development. It should be noted that Tan 15 refers to Flood Zones A, B and C, while the NRW websites refers to flood zones 1, 2 and 3 respectively.

1.4 This report concludes that in general terms the flood risk to the site is low and therefore no specific design restrictions should be placed on the development by the Statutory Consultees in this regard. An appraisal of the sustainable surface water drainage hierarchy contained within 'Sewers for Adoption 7th Edition' concludes that all surface water from the development will either be infiltrated in to the ground or discharged to the public sewer at a rate equivalent to that shed from the existing undeveloped site.

1.5 During the study, information was sought from:

- Wrexham County Borough Council
- Natural 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 A550 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 east to the A550.

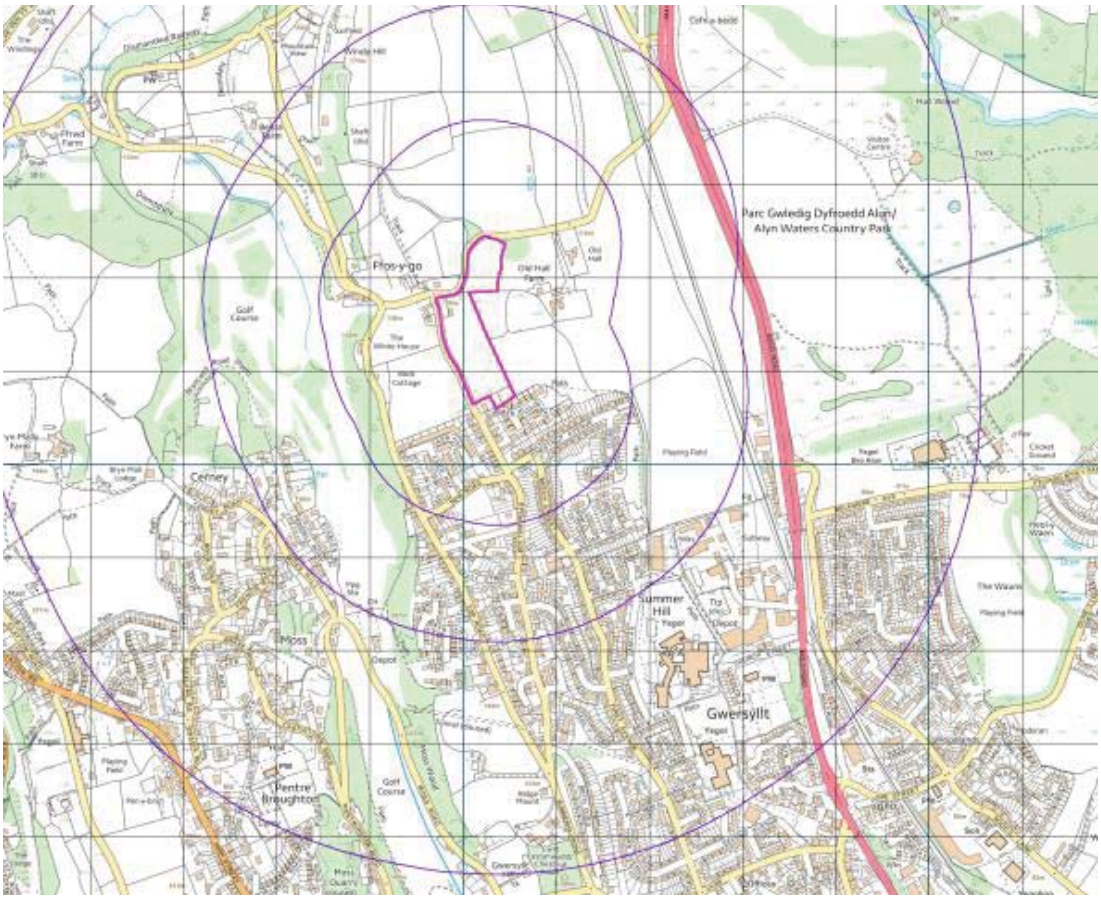


Fig 1 Site Location

2.3 There is currently no developed footprint within the area subject to planning consideration, and therefore no formal hardstanding associated with vehicular access, nor is it thought that there is any drainage infrastructure associated with the plot.

2.4 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.

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.

3.4 Preference would be for surface water from the development to discharge to soakaways and infiltrate in to the ground, however where this is not possible then it will be necessary for these flows to connect to the public sewer. For sewer connection the calculated greenfield runoff rate will be used as the limiting discharge rate for the surface water sewer network design and attenuation storage estimates.

3.5 Large areas of the site which do not form part of the drained catchment would comprise private gardens and open community amenity space. At this stage it is anticipated that there will be some opportunities for the use of soft open Sustainable Drainage Systems (SuDS) on amenity space which would be most likely to comprise the lowest areas to the east of the development.

4.0 Flood Risk Assessment

Fluvial Flooding

4.1 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).

4.2 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%.

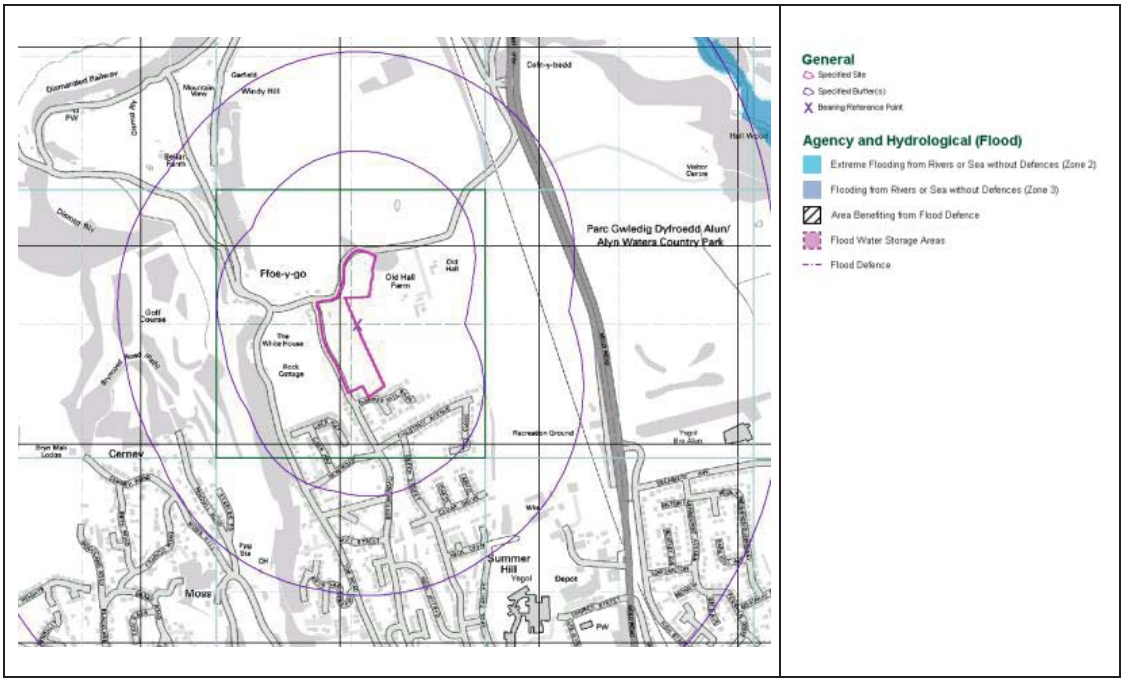


Fig 2 Natural Resources Wales Flood Risk Map

4.3 The River Alyn lies 980m to the east and poses no flood risk to the site. There is an additional unnamed tertiary watercourse 270m to the west of the site, which is not thought to pose any flood risk either.

Static/Artificial Watercourse Flood Risk

4.4 The NRW 'Risk of Flooding from Reservoirs' map indicates areas where peoples' lives would be in danger as a result of an uncontrolled release of water from a reservoir. In terms of the

probability of occurrence, it is acknowledged that reservoir flooding is extremely unlikely to happen. There has been no loss of life in the UK from reservoir flooding since 1925 with all large reservoirs inspected and supervised by reservoir panel engineers. In this instance the site lies outside of the 'Risk of Flooding from Reservoirs' area.

Groundwater Flooding

4.5 Groundwater flooding is most commonly caused by rainfall which causes the groundwater table beneath a site to rise and to eventually exceed ground level. Groundwater flooding can also occur where the water table is sufficiently close to the site surface that it inundates subterranean development. Like other sources of flooding, groundwater flooding will be affected by increased rainfall attributable to climate change.

4.6 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 Glacial 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.

4.7 The sloping topography of the site, combined with the relatively small catchment upstream of the site and the free draining subsoils suggest that the groundwater table beneath the site will be relatively deep and stable and will not pose a risk of flooding to the site

Pluvial Flooding

4.8 Intense rainfall, particularly in urban areas, can create runoff which temporarily overwhelms the capacity of the local drainage systems. Under these conditions, localised 'flash' flooding can occur. In addition, surface water sewers can flood into foul sewers and overload both the surface water and combined sewer networks. This type of flooding is especially problematic when these systems become overloaded simultaneously.

4.9 The NRW flood map for surface water (FMfSW) is divided into areas with a very low, low, medium and high risk of surface water flooding. 'Very low' means that each year this area has a chance of flooding of less than 1 in 1000 (0.1%). 'Low' means that each year this area has a chance of flooding of between 1 in 1000 (0.1%) and 1 in 100 (1%), 'Medium' means that each year this area has a chance of flooding of between 1 in 100 (1%) and 1 in 30 (3.3%)

and 'High' means that each year this area has a chance of flooding of greater than 1 in 30 (3.3%).

4.10 Due to the low resolution of the FMfSW, it is not possible to accurately describe the extents of the denoted flood outlines in detail. In addition to this, it is also noted that this resource has significant inaccuracies due to the coarse nature of the topographic data upon which it is based. In general terms, the surface water flood map alone should not be used to assess flood risk on an individual site basis but used to consider catchment wide surface water flows (which will also be indicative of catchment wide pluvial flow), the surface water flood map does comprise a useful tool in determining the generalised flood risk to an area.

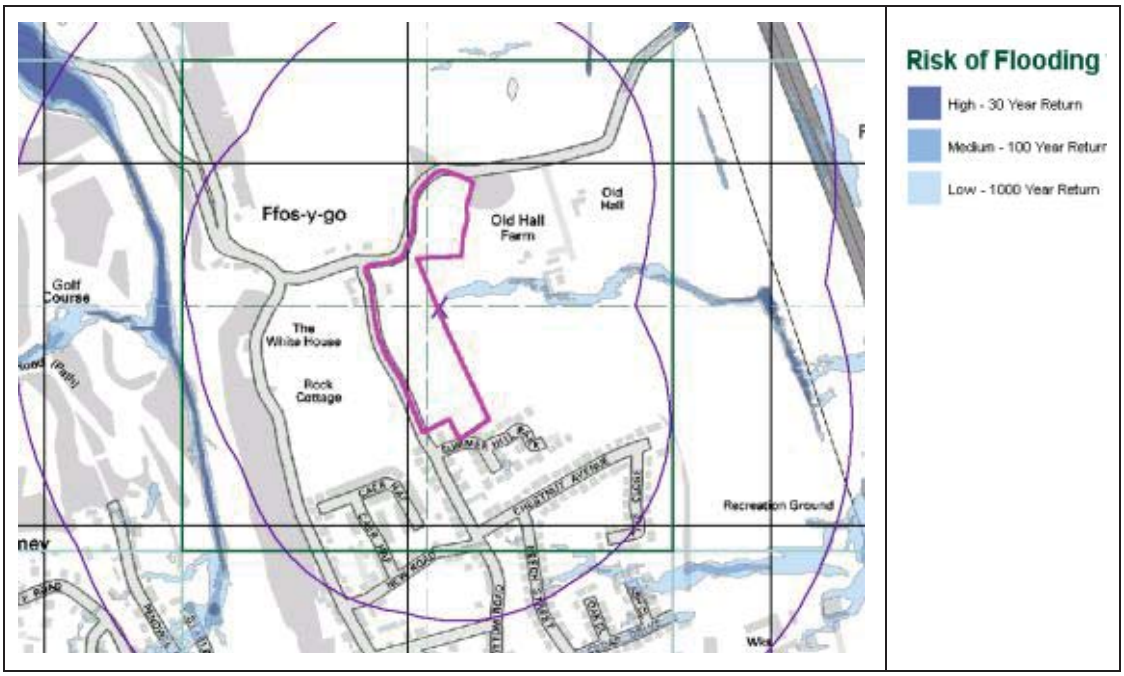


Fig 3 Natural Resources Wales Flood Risk Map for Surface Water

4.11 A rough appraisal of the flood map for surface water appears to show the site of the dwellings as being predominantly at a low risk of surface water flooding (1000 year return). The topography of the site suggests that rainfall will be shed to the west. A thin channel of flood risk approaches the site from the west, but this is not thought to present a constraint to development.

4.12 With development of the site the standard percentage of rainfall runoff will increase. Although a comprehensive surface water drainage system will form part of the proposal to reduce and prevent overland flow, it should be noted that failure of such infrastructure could again see greater rates off of the site. Drainage system failure could be attributable to

system blockage or following overwhelming rainfall which exceeds the finite design capacity of the system. Drainage system failure should be factored in to the detailed surface water drainage design for the site.

4.13 It is advised that the lowest areas are utilised as amenity space, whilst provision should also be made for notional sewer exceedance overland flow routes, perhaps along internal roadways.

5.0 Surface Water Drainage

5.1 At this stage the exact footprint of buildings on the site in the pre and post development stages remains unknown; however, it is accepted that there will be a significant increase in built footprint. This means that the sustainable management of surface water from the new dwelling is a fundamental point for consideration by the Lead Local Flood Authority during the planning consultation process.

5.2 In accordance with sustainable drainage principles, preference is for source control of runoff, where rainfall is captured at source and prevented from leaving a site by measures such as permeable pavements, rainwater harvesting systems and green roofs. Where rainfall cannot be entirely managed using source control measures the next most sustainable measures are for use of soakaways serving the entire positively drained site catchment, and then for discharge of surface water to a watercourse or public sewer in that order of preference. The use of infiltration techniques will depend upon the outcome of infiltration testing which will be required prior to detailed design.

Source Control - Pervious Pavements

5.3 There may be opportunities in the development to use pervious pavements as a means of surface water source control. It is anticipated that private driveways and parking areas will be created alongside and to the rear of the built units. Use of permeable block paving would be a practical, attractive and sustainable means of surfacing external hardstanding areas and would reduce the footprint of positively drained surfaces within the proposed development.

Soakaways

5.4 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 the closest borehole record with usable information suggests (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.

Table 1 Borehole Scan

LOG

Geological classification	Lithology	Thickness m	Depth m
	Made ground, bricks and slag	0.7	0.7
Boulder Clay	Clay, greyish brown to yellow brown, sandy and stony	2.1	2.8
	Gravel, coarse and fine with well rounded medium sand	0.9	3.7
Coal Measures	Sandstone, dark grey, medium to fine grained, micaceous	1.1+	4.8

5.5 Setting aside the made ground, which is specific to the location of the borehole 210m northeast of the site, the record suggests that infiltration is likely to be viable, and this is supported by the lack of field drains in the vicinity of the site. The clay layer above the sand and gravel is described as having 'noticeable grains of coarse sand lightening to orange brown clay with pebbles' and 'yellow brown pebbly clay, v. broken up'. Beneath this there is a layer of clayey pebbly sand, over shattered rock sandstone. However, before the use of infiltration can be confirmed 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.

Discharge to a Watercourse/Sewer

5.6 If percolation testing shows that the use of infiltration is not a viable means of surface water drainage then discharge to a watercourse will be the next most sustainable option. As there is no available watercourse, it would be necessary to connect to the sewer system serving Summerhill Park. At this stage it is anticipated that connection of surface water to the sewer would be technically viable with attenuation to limit outflows to the current greenfield runoff rate. The site drainage will be investigated further as part of the reserved matters planning application subject to the grant of outline planning consent.

5.7 Within the site separate foul and surface water sewers for adoption would be constructed. The separate systems will remain separate where existing independent foul and surface

water sewers are available or would combine at the last inspection chamber on the site and outfall to a public combined water sewer as a last resort. The preference would be for:

- A gravity driven outfall to the sewer via direct connection or with third party land owner cooperation.
- A pumped discharge to a sewer which lies uphill from the site, and
- If neither of the above can be achieved, then the last preference would be for requisition of a route to the sewer over private land.

Preliminary Drainage Proposals

5.8 Preliminary assessments of the requirements for storm drainage have been based on the following criteria:

Application Site Area (ha):	2.8
Developed Area (ha):	2.8
Sewer flood protection:	1 in 30 years
Fluvial / Development flood protection:	1 in 100 years

M5-60	18.0mm	**SAAR**	790
Ratio r	0.33	**WRAP**	1

Minimum cover to sewers (m):	1.2
Minimum velocity (m/s):	1.0
Pipe ks value (mm):	0.6mm
Allowance for Climate Change:	30%

On-site Soakaway design

5.9 Table 4.7 of the SuDS Manual identifies typical infiltration coefficients for a range of soil types and defines typical infiltration coefficients for sand to range between 0.1-100 m/hour. A conservative infiltration estimate of 0.5m/hr has therefore been assumed. This figure should be verified by field testing and the results amended accordingly prior to development.

5.10 Soakaway sizing calculations have been undertaken in accordance with the BRE 365 Digest calculation procedure for the 1 in 100 year storm event, with a 30% allowance increase in rainfall intensities attributable to climate change (equivalent to a return period of 1 in 395).

5.11 Calculations demonstrate that the size of soakaway required to drain the proposed development during the critical 1 in 100 plus climate change event storm is 150m * 8.6m * 1.6m, providing a storage volume of 619m^3. The summary calculations are contained in the Appendices. The soakaway should be located in order maintain the 5m minimum distance from buildings required in s3.25 of Building Regulations 2010, approved document H.

Foul water drainage

5.12 Following the method outlined in Sewers for Adoption (7th Ed) the design flow rates for dwellings is 4000 l/dwelling per day, so the peak flow from the development of 84 dwellings would be 4000 * 84 l/d, or 3.9l/s.

5.13 The minimum diameters for gravity foul sewers should be 150mm nominal internal diameter for more than ten properties (Sewers for Adoption 7th Ed). To provide a self-cleansing regime within gravity foul sewers, the minimum flow velocity should be 0.75m/sec at one third design flow, with a roughness value (k_s) for foul gravity sewer design of 1.5mm. Where this requirement cannot be met, the criterion would be considered to be satisfied if the 150 dia sewer is laid to a gradient not flatter than 1:150.

6.0 Conclusions

6.1 The proposal is for the residential development of a 2.8 ha area of undeveloped land in Summerhill in Wrexham. Due to the nature of the residential land allocations process, the site layout and the number of dwelling houses are not fixed; however, it is anticipated that development densities would be in the order of 30 dwellings per hectare which equates to approximately 84 units.

6.2 The proposed development site is restricted to NRW Flood Zone 1, the low fluvial and tidal flood risk area. Following an appraisal of topographic and geological records, and additional flood mapping resources, the site is also considered to have a low risk of flooding from surface water, sewers, groundwater and reservoirs. The proposed development is classified as 'Highly Vulnerable', and is therefore appropriate within flood zone 1 after completion of a satisfactory Flood Consequences Assessment in accordance with TAN15. The Justification Test should not need to be undertaken as part of this planning application.

6.3 Preference would be for infiltration of surface water from the proposed development to the ground via private soakaways or infiltration sustainable drainage measures serving the

entire site. Where this is not viable, preference would be for connection to a local watercourse, or public sewer in that order of preference. For this development, it is considered that infiltration is likely to be viable, through use of a soakaway of 150m x 8.6m x 1.6m, a storage volume of 619m^3.

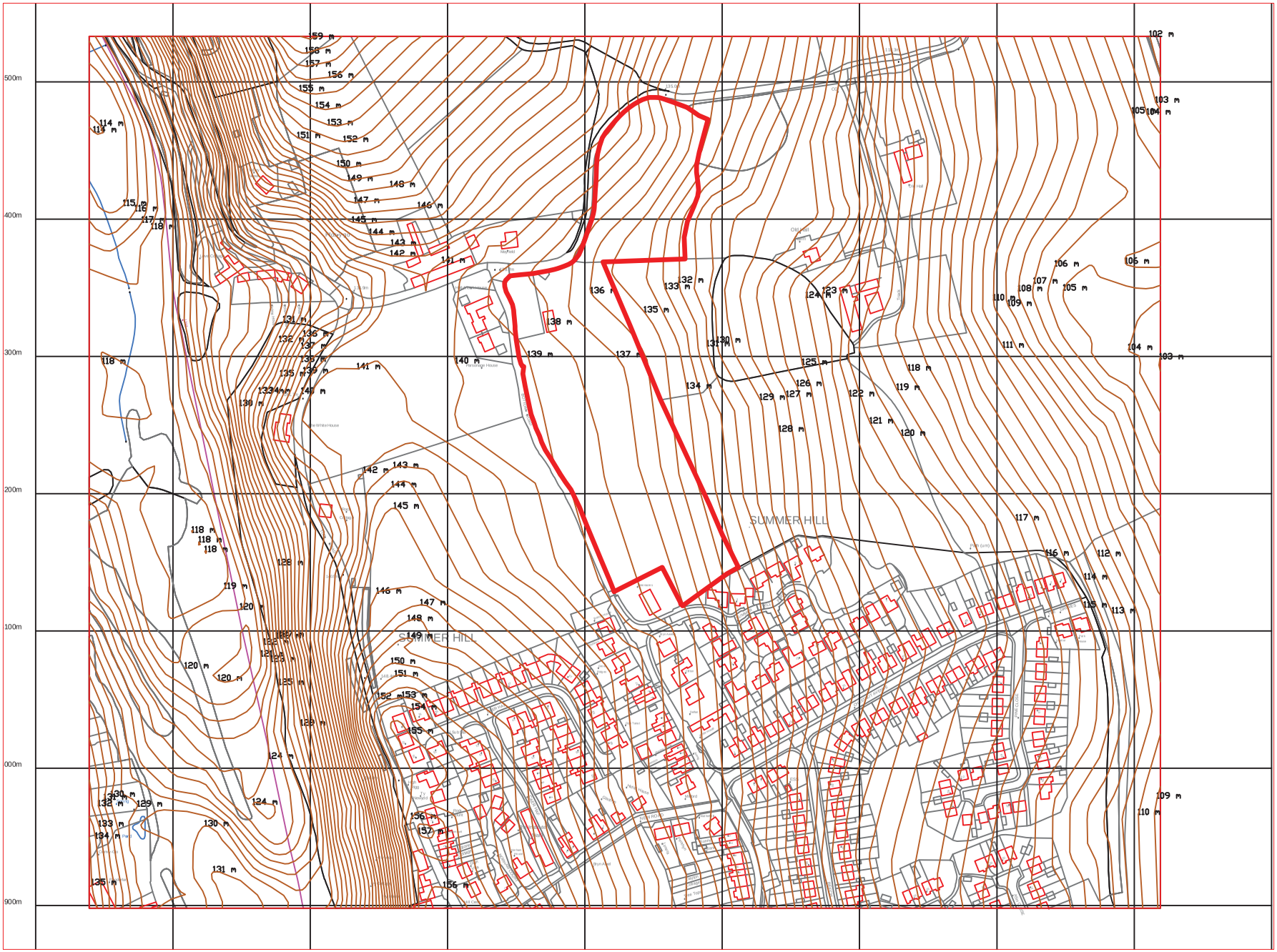
6.4 At this stage of the planning process it is proposed that a planning condition can be adopted to cover the detailed design of the surface water runoff from the site. It is proposed that the detailed drainage design of the final scheme would be secured by a planning condition attached to any planning permission granted and agreed with the Environment Agency, Welsh Water/Dŵr Cymru and the LPA prior to works commencing. In adopting these principles it has been demonstrated that a scheme can be developed that does not increase the risk of flooding to adjacent properties and development further downstream.

6.5 The flooding sources will be managed on the site by using a number of mitigation strategies to manage and reduce the overall flood risk at the site and will ensure the development will be safe. It is recommended that all properties are located above the back of the footway of the adjacent carriageway by 150mm to enable the full capacity of any secondary flood conveyance to be utilised. The Surface Water Management Strategy ensures that a sustainable drainage solution can be achieved which reduces the flood risk posed by the surface water runoff from the site. The development of the layout should always consider that the site is potentially at risk from an extreme event and as such the implementation of flood resilience and resistance methods should be considered. Landscaped areas will include preferential flow paths that convey water away from buildings to mitigate local drainage system failure. Surface water runoff would be directed to the drainage system through drainage gullies located around the perimeter of the buildings and through contouring of the hardstanding areas. An exceedance or blockage event of the sewers would not affect the proposed property because finished floor levels will be above surrounding ground levels, ensuring any exceedance flooding would not affect the building. Exceedance flows would be contained within the highways surrounding the buildings. The site and surrounding area is located within Flood Zone 1 and Zone A therefore a permanently safe and dry access can be maintained.

6.6 This FCA demonstrates that the site can be operated with minimal risk from flooding and will not increase flood risk elsewhere. The site should not therefore be precluded on the grounds of flood risk.

APPENDIX A

CONTOUR PLAN



A4 @ 1:100

APPENDIX B

INFILTRATION CALCULATIONS

MasterDrain
SW 14.8

AAH Planning Consultants
http://www.aahplanning.com/

2 Bar Lane,
York,
YO1 6JU
Tel: (01904) 780955
email: admin@aahplanning.com

Job No.	Sheet no.	Date	By	Checked	Reviewed
48048	1	22/04/16	PMCA		

Project: Summerhill

Title: BRE365 Trench calculations for Summerhill

Rectangular pit design data:-

Pit length = 150 m
Depth below invert = 1.6 m
Imperm. area = 14000 m²
Return period = 395 yrs

Pit width = 8.6 m
Percentage voids = 30.0%
Infilt. factor = 0.00014 m/s

Calculations :-

Surface area of soakaway to 50% storage depth (not inc. base):-

a_{s50} = 2 x (length + width) x depth/2 = 253.8 m²

Outflow factor : O = a_{s50} x Infiltration rate = 0.0355264 m/s

Soakaway storage volume : S_{actual} = length x width x depth x %voids/100 = 619.2 m³

Duration	Rainfall mm/hr	Inflow m³	Depth (hmax) m	Outflow m³	Storage m³
5 mins	170.7	198.4	0.49	10.62	187.77
10 mins	132.0	306.8	0.74	21.23	285.53
15 mins	109.9	384.5	0.91	31.97	352.53
30 mins	75.5	528.7	1.20	63.95	464.78
1 hrs	49.5	693.0	1.46	127.90	565.06
2 hrs	31.2	873.3	1.60	255.79	617.54
4 hrs	18.9	1056.4	1.41	511.58	544.78
6 hrs	13.8	1160.7	1.02	767.37	393.28
10 hrs	9.3	1307.2	0.07	1278.95	28.21
24 hrs	4.7	1583.1	0.00	3069.48	0.00

Actual volume : S_{actual} = 619.200 m³

Required volume : $S_{reqd.}$ = 617.540 m³

Soakaway volume storage OK.

Minimum required a_{s50} : 253.08 m²

Actual a_{s50} : 253.76 m²

Minimum depth required: 1.60 m

Time to maximum 2 hrs

Emptying time to 50% volume = t_{s50} = S_{reqd} x 0.5 / (a_{s50} x Infiltration rate) = 02:24 (hr:min))

Soakaway emptying time is OK.

Location hydrological data (FSR):-

Location	= Summerhill	Grid reference	= SJ3154
M5-60 (mm)	= 18	r	= 0.33
Soil index	= 0.15	SAAR (mm/yr)	= 790
WRAP	= 1	Area = England and Wales	

Soil classification for WRAP type 1
i) Well drained permeable sandy or loam soils and shallower analogues over highly permeable limestone, chalk, sandstone or related drifts;
ii) Earthy peat soils drained by dykes and pumps;
iii) Less permeable loamy over clayey soils on plateaux adjacent to very permeable soils in valleys.

N.B. The rainfall rates are calculated using the location specific values above in accordance with the Wallingford procedure.

APPENDIX C

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

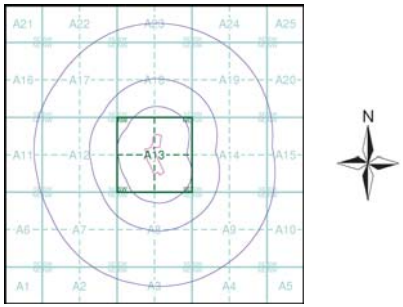
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community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

Envirocheck®

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



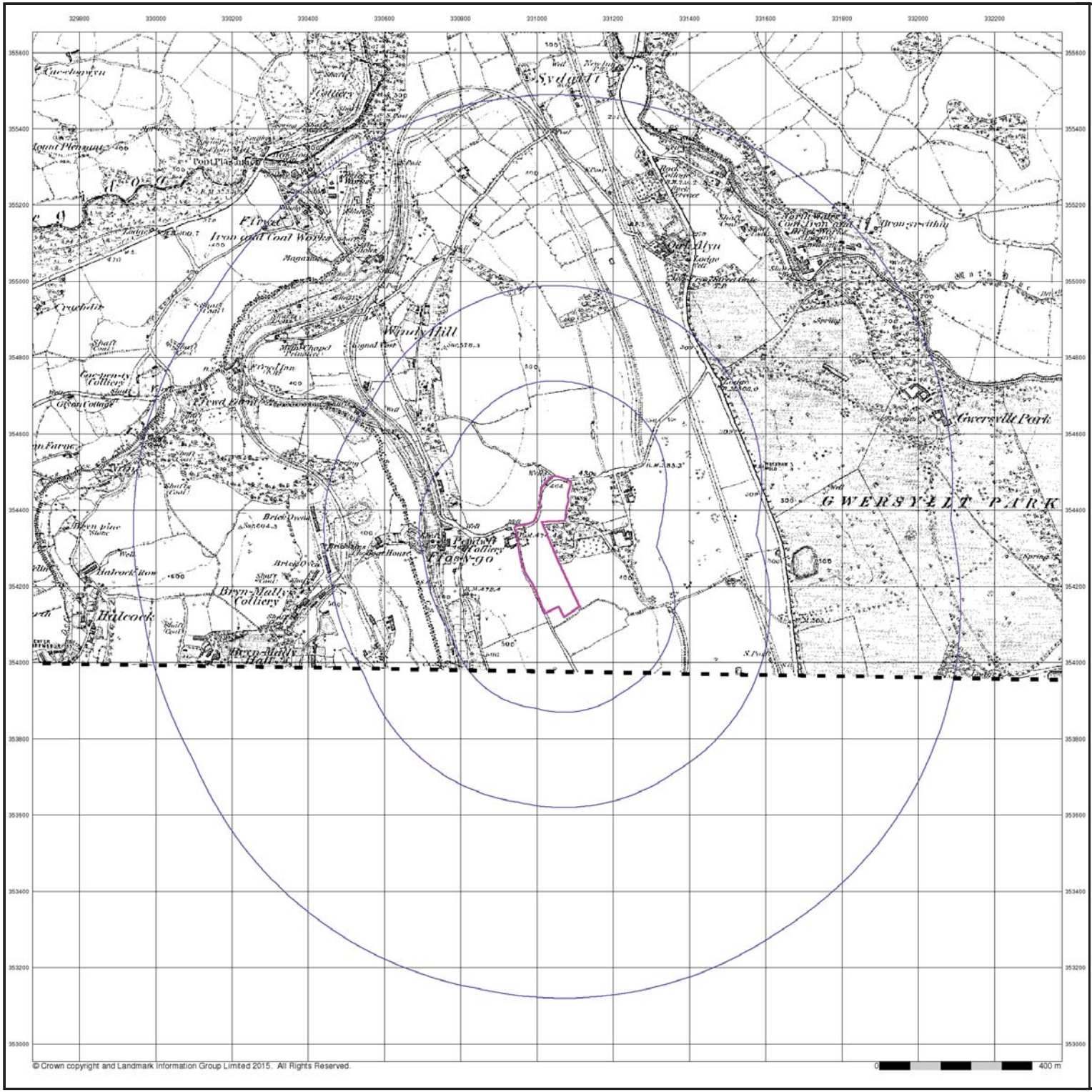
Order Details

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,
WREXHAM, Clwyd, LL11 4TS

Landmark® Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

Envirocheck®

Flintshire

Published 1879

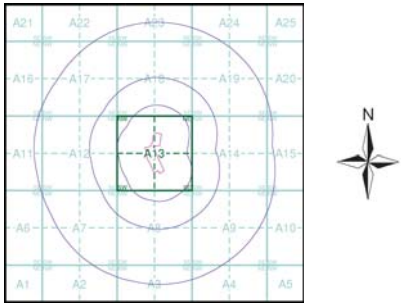
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



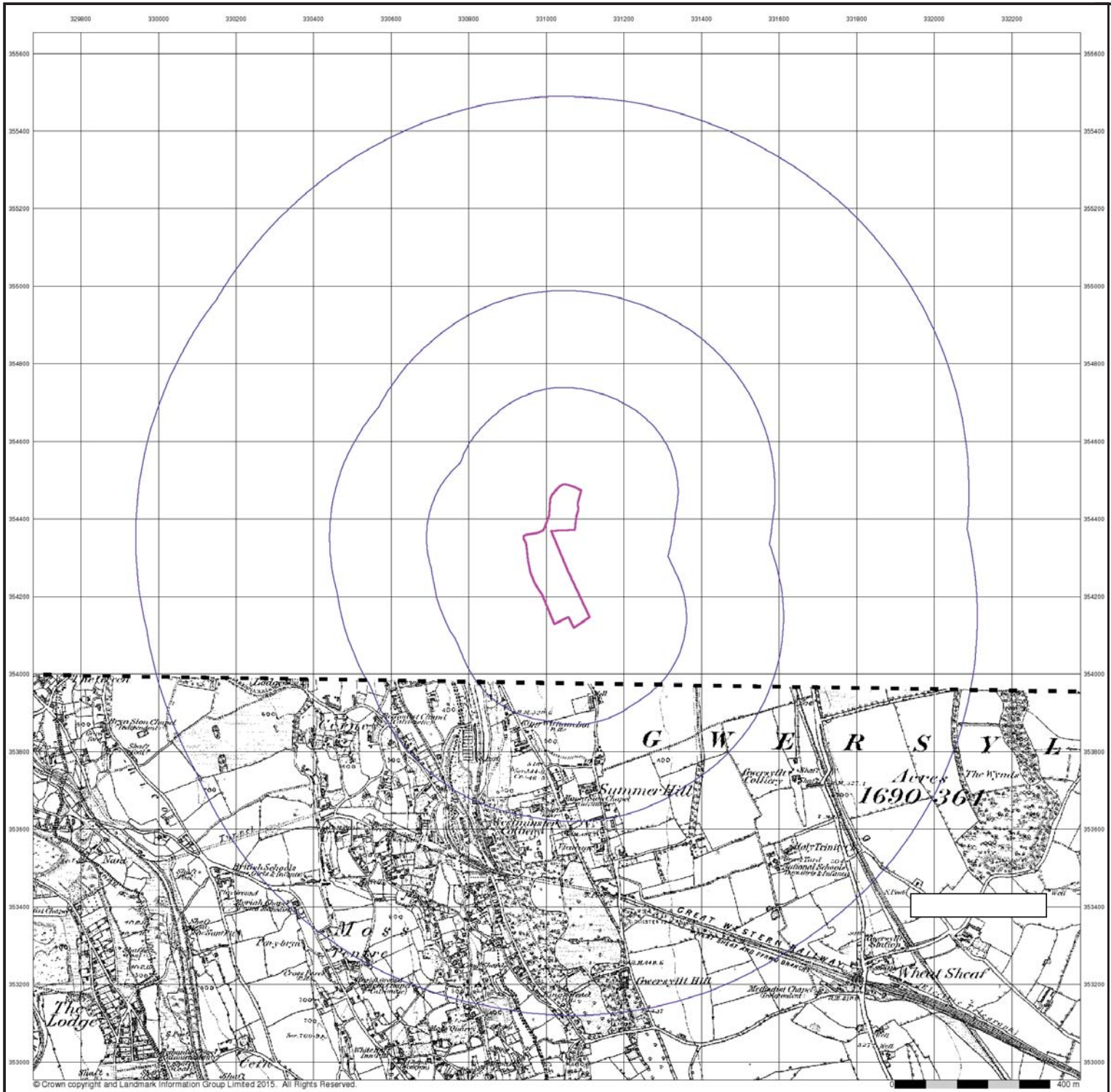
Order Details

Order Number:	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

Landmark® Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

Envirocheck®

Denbighshire

Published 1879

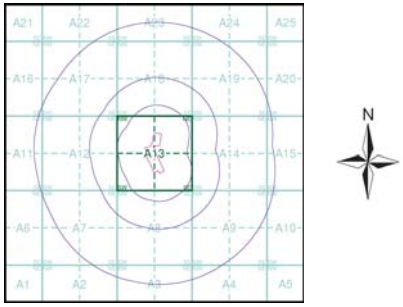
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A

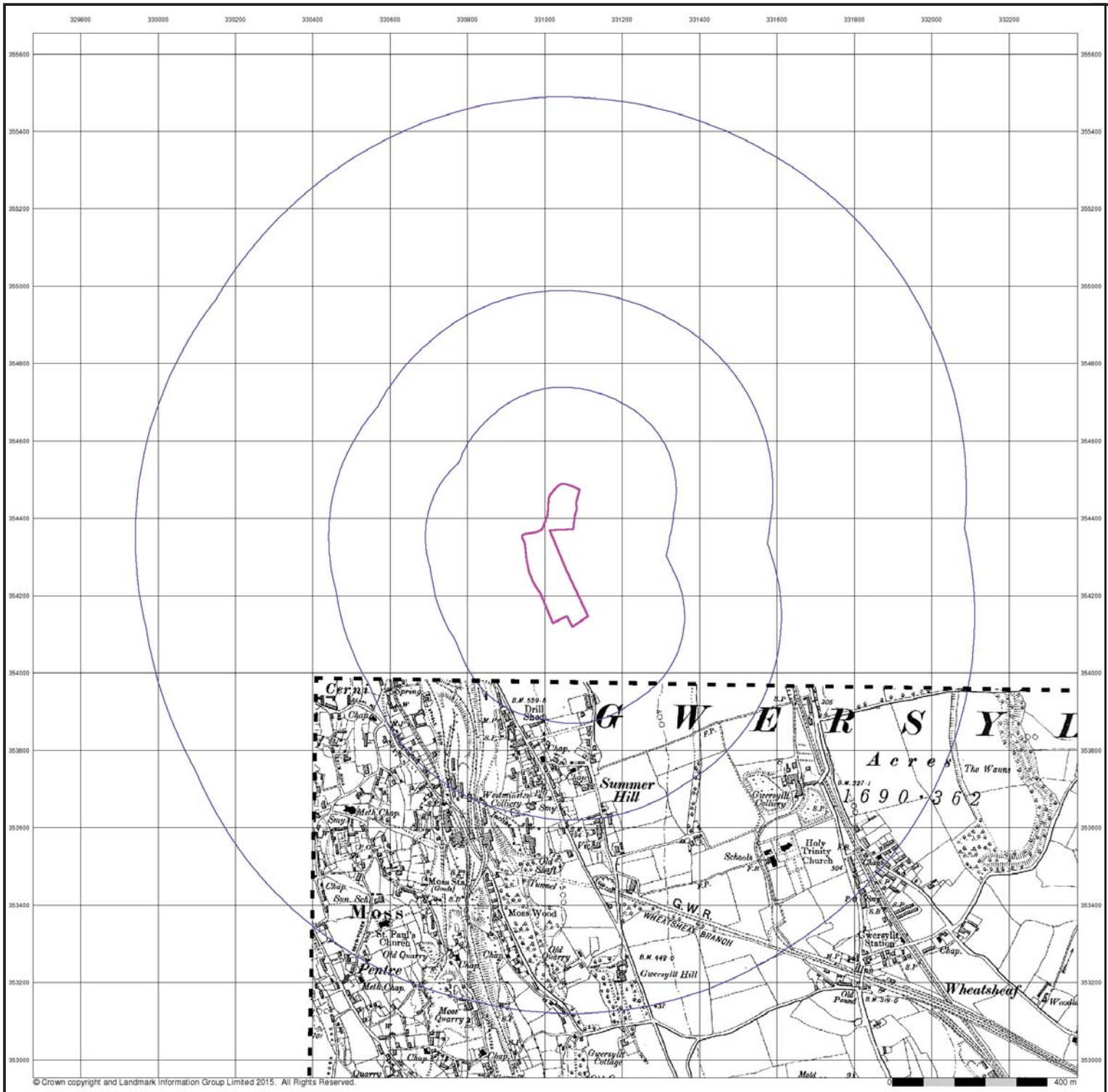


Order Details

Order Number:	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



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

Envirocheck®

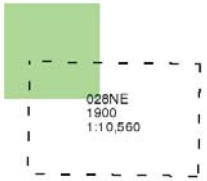
Denbighshire

Published 1900

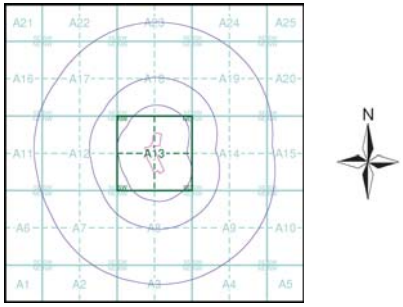
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



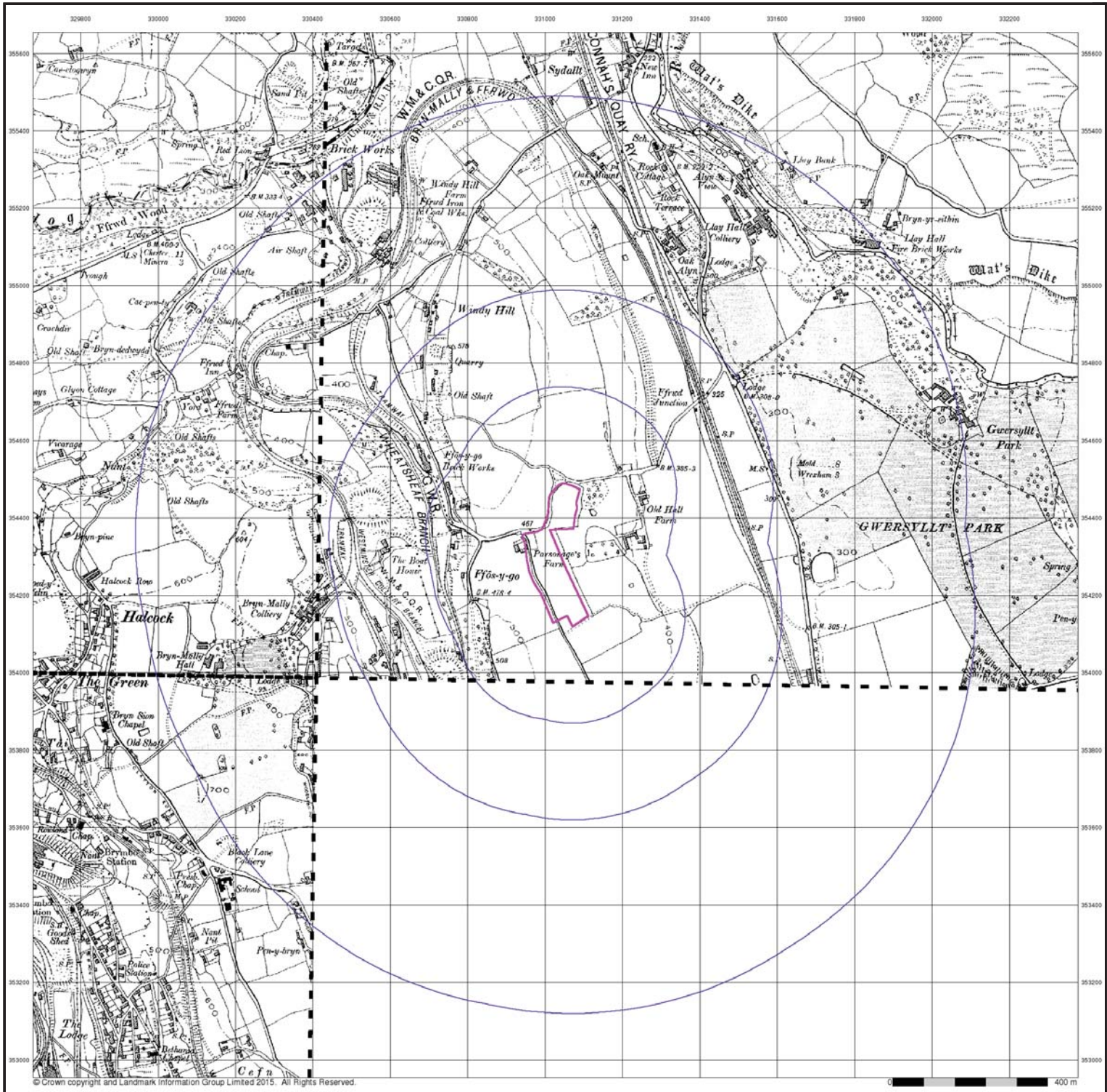
Order Details

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,
WREXHAM, Clwyd, LL11 4TS

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



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

Envirocheck®

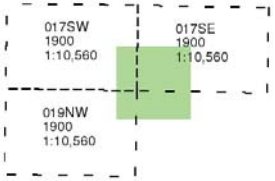
Flintshire

Published 1900

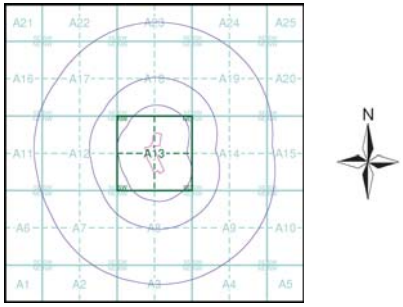
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



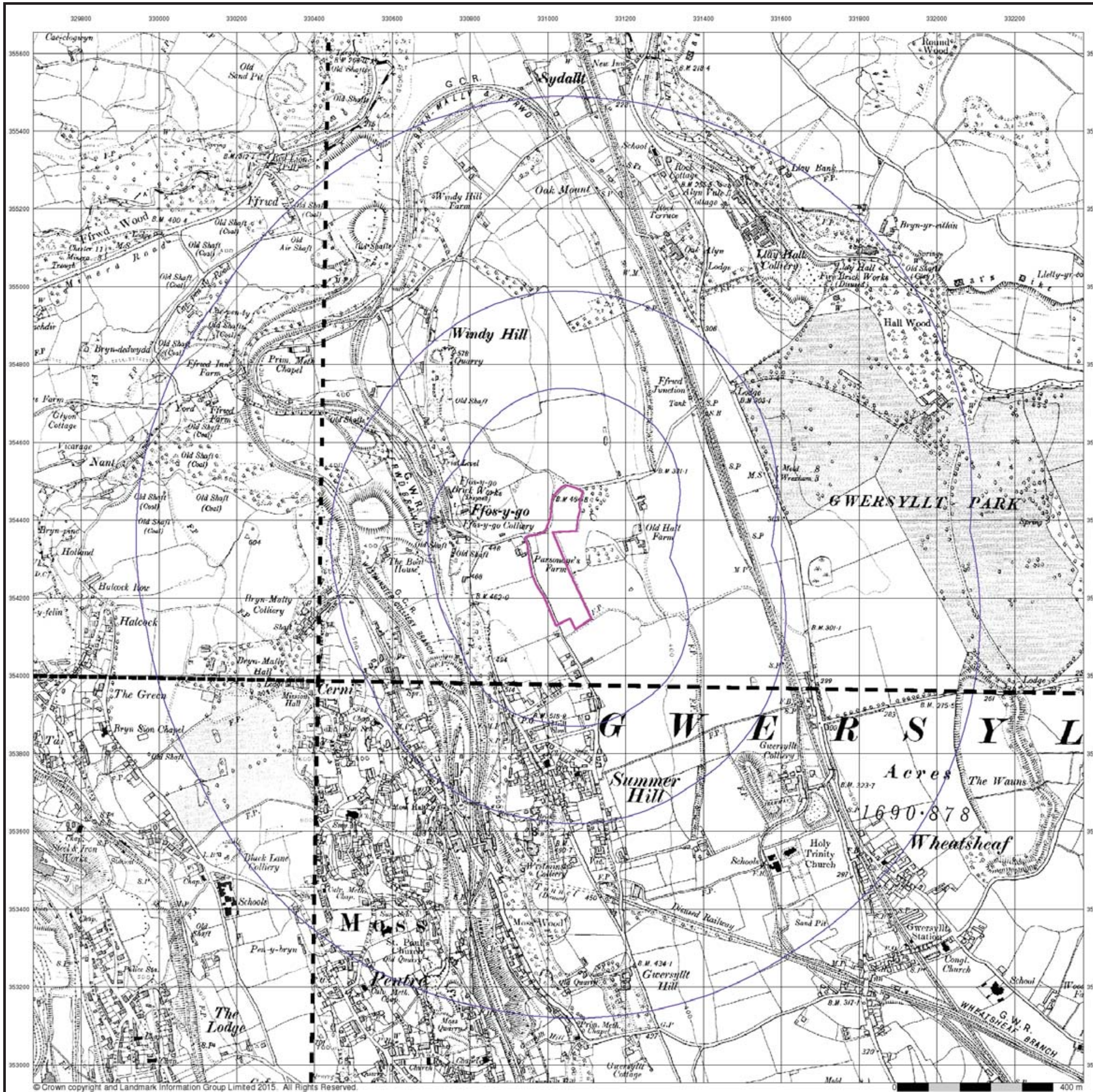
Order Details

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, WREXHAM, Clwyd, LL11 4TS

Landmark® Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

Envirocheck®

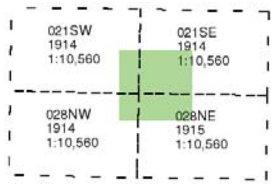
Denbighshire

Published 1914 - 1915

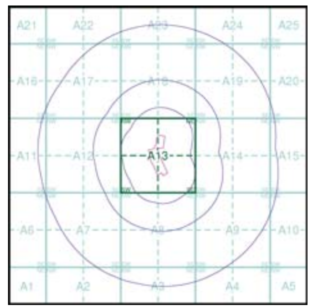
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



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

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



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

Envirocheck®

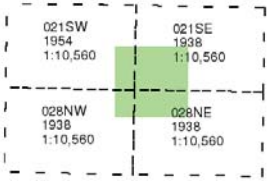
Denbighshire

Published 1938 - 1954

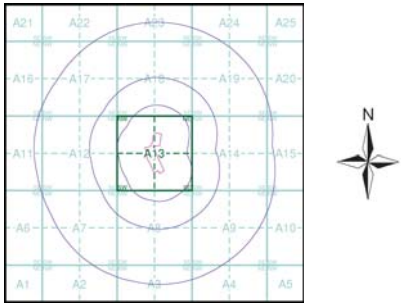
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



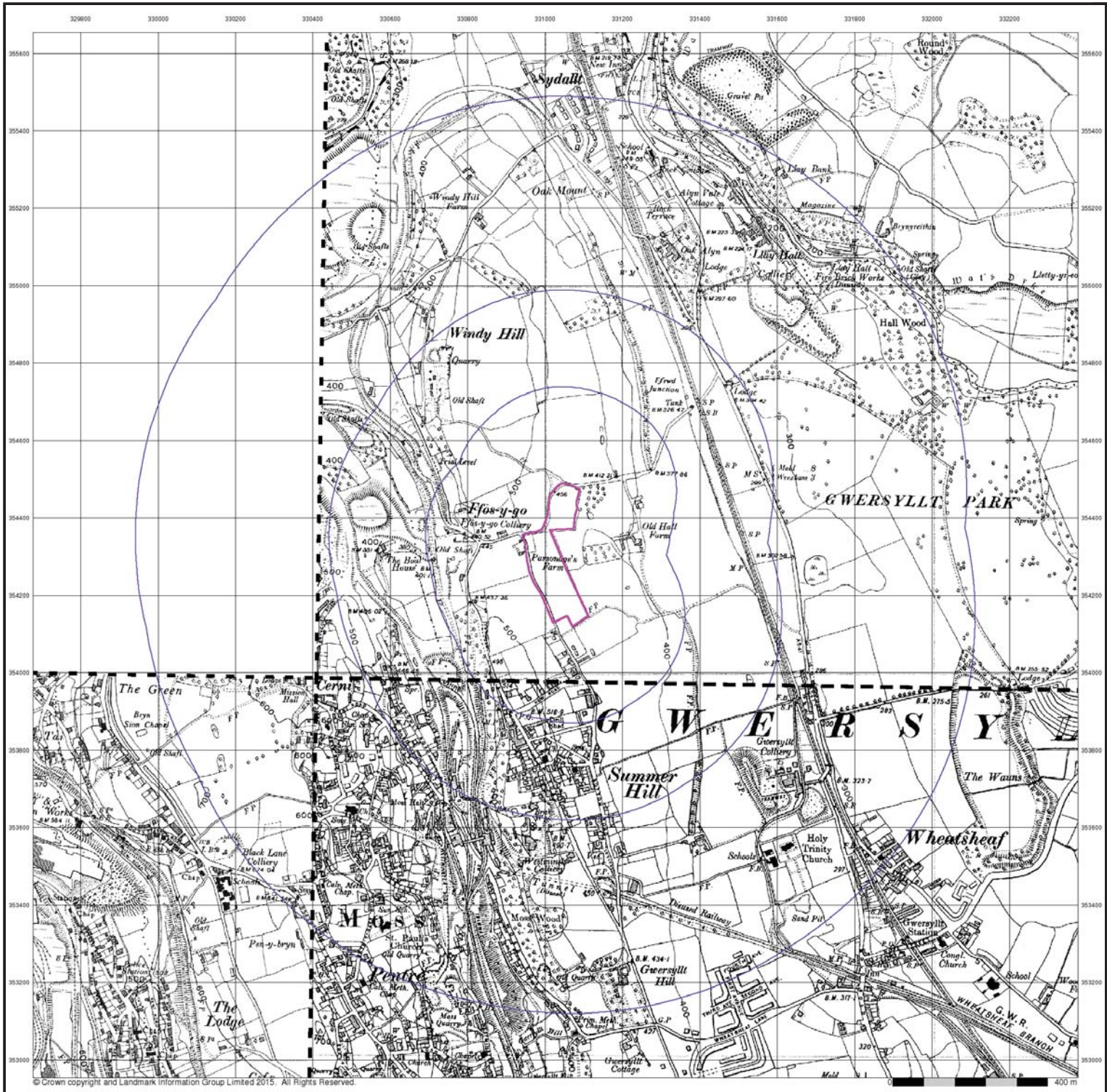
Order Details

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

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



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

Envirocheck®

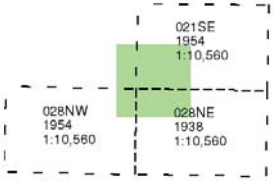
Denbighshire

Published 1938 - 1954

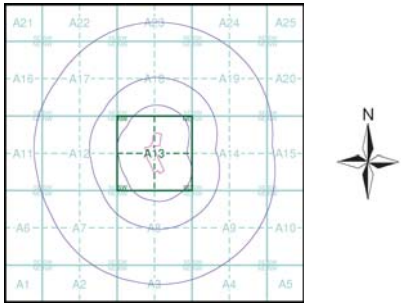
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



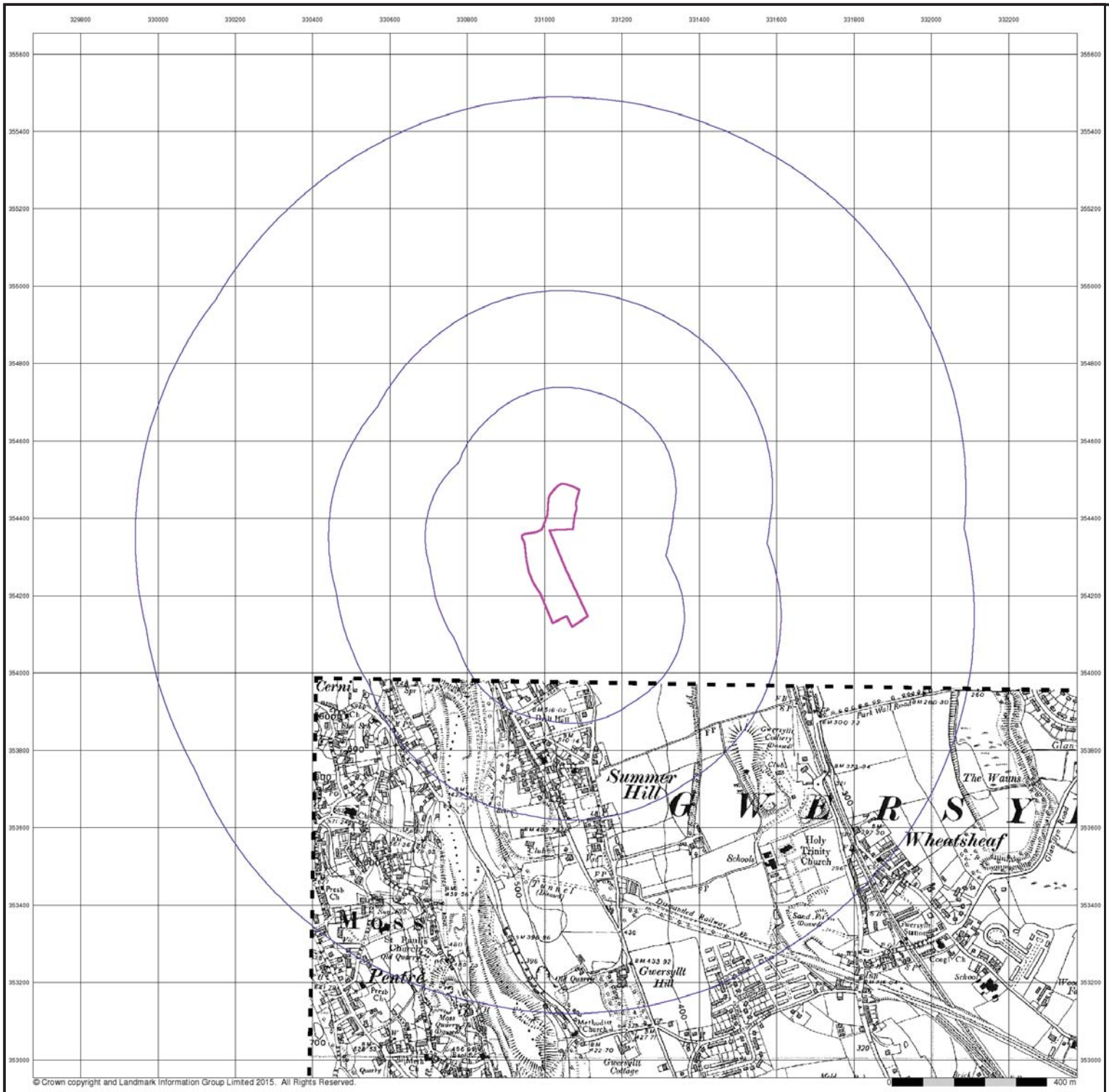
Order Details

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

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



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

Envirocheck®

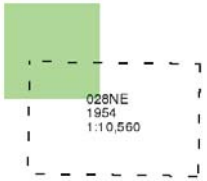
Denbighshire

Published 1954

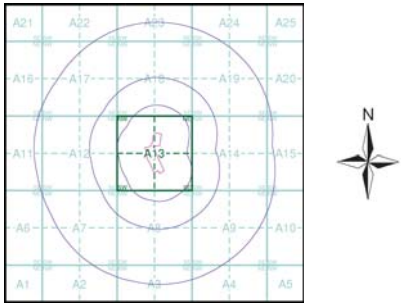
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



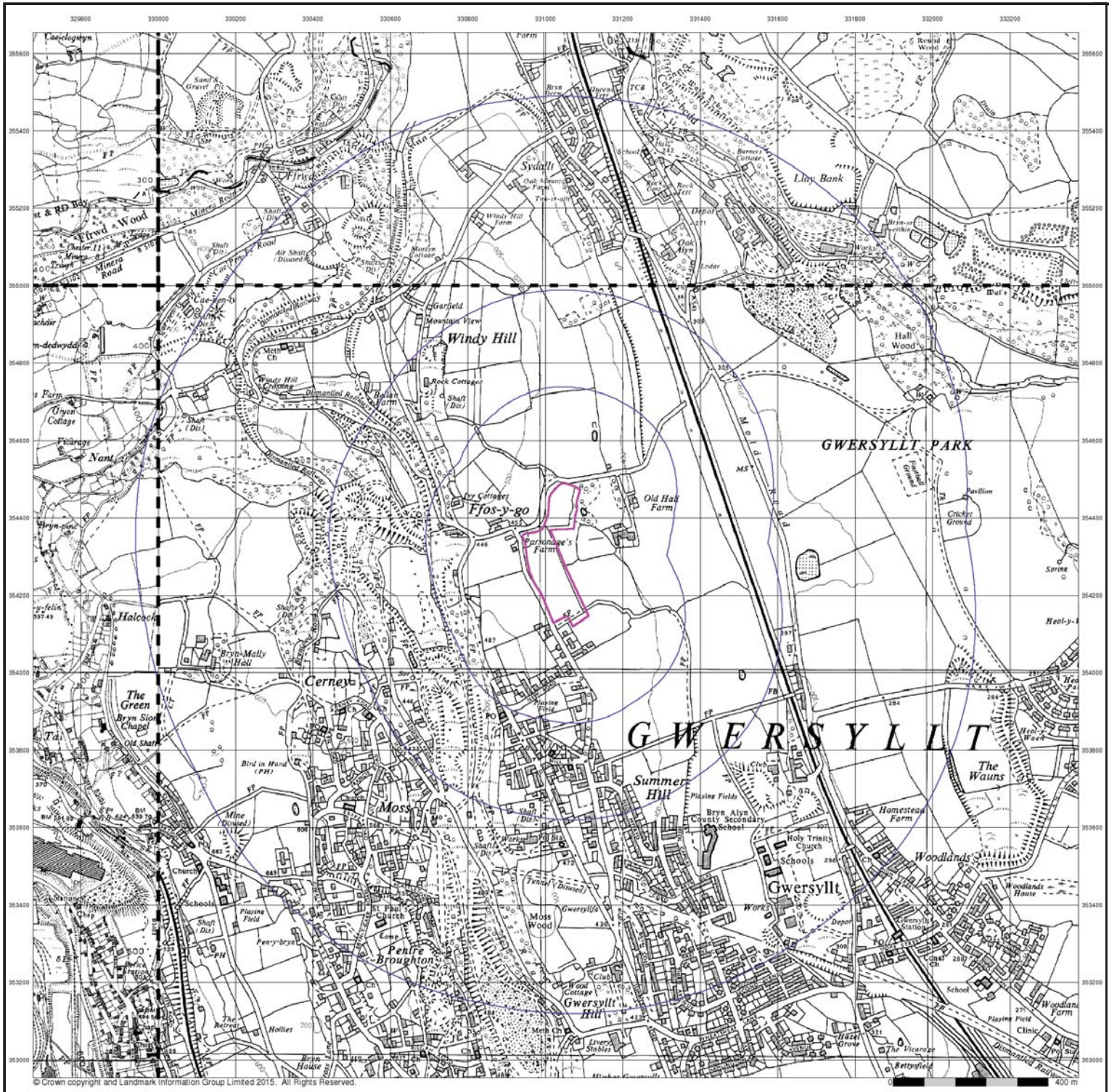
Order Details

Order Number:	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

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



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

Envirocheck®

Ordnance Survey Plan

Published 1963 - 1964

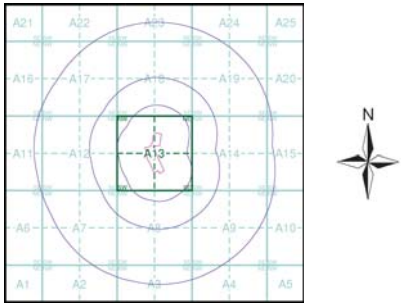
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

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

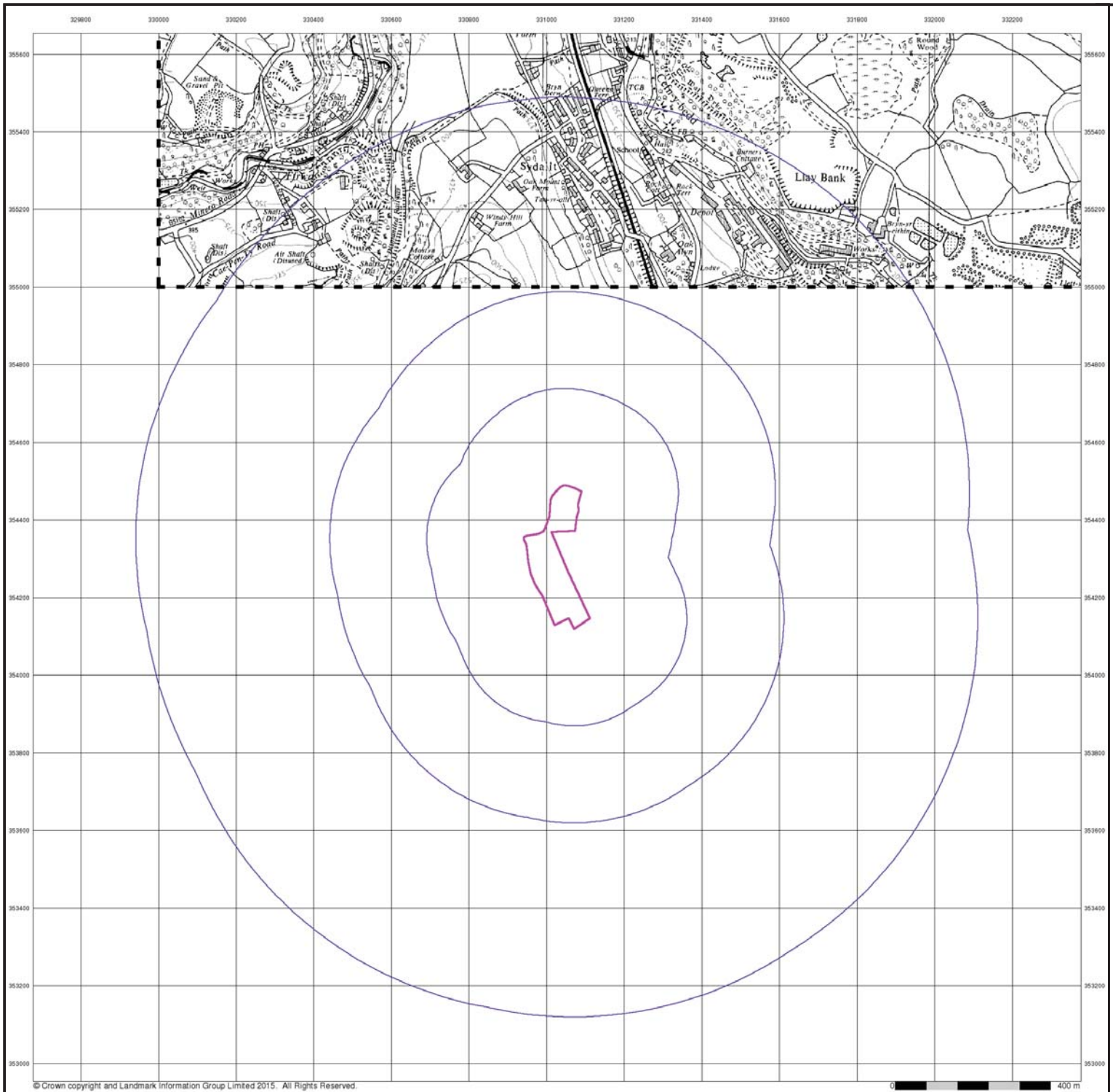
Order Number:	84701701_1_1
Customer Ref:	48048
National Grid Reference:	331040, 354300
Slice:	A
Site Area (Ha):	2.95
Search Buffer (m):	1000

Site Details

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

Landmark Information Group

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



Envirocheck®

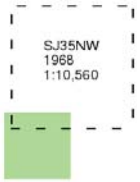
Ordnance Survey Plan

Published 1968

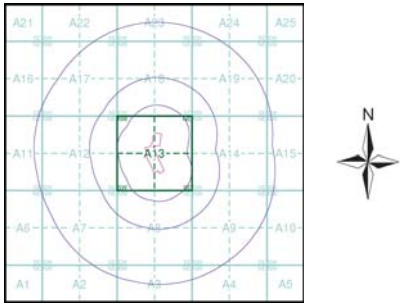
Source map scale - 1:10,000

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



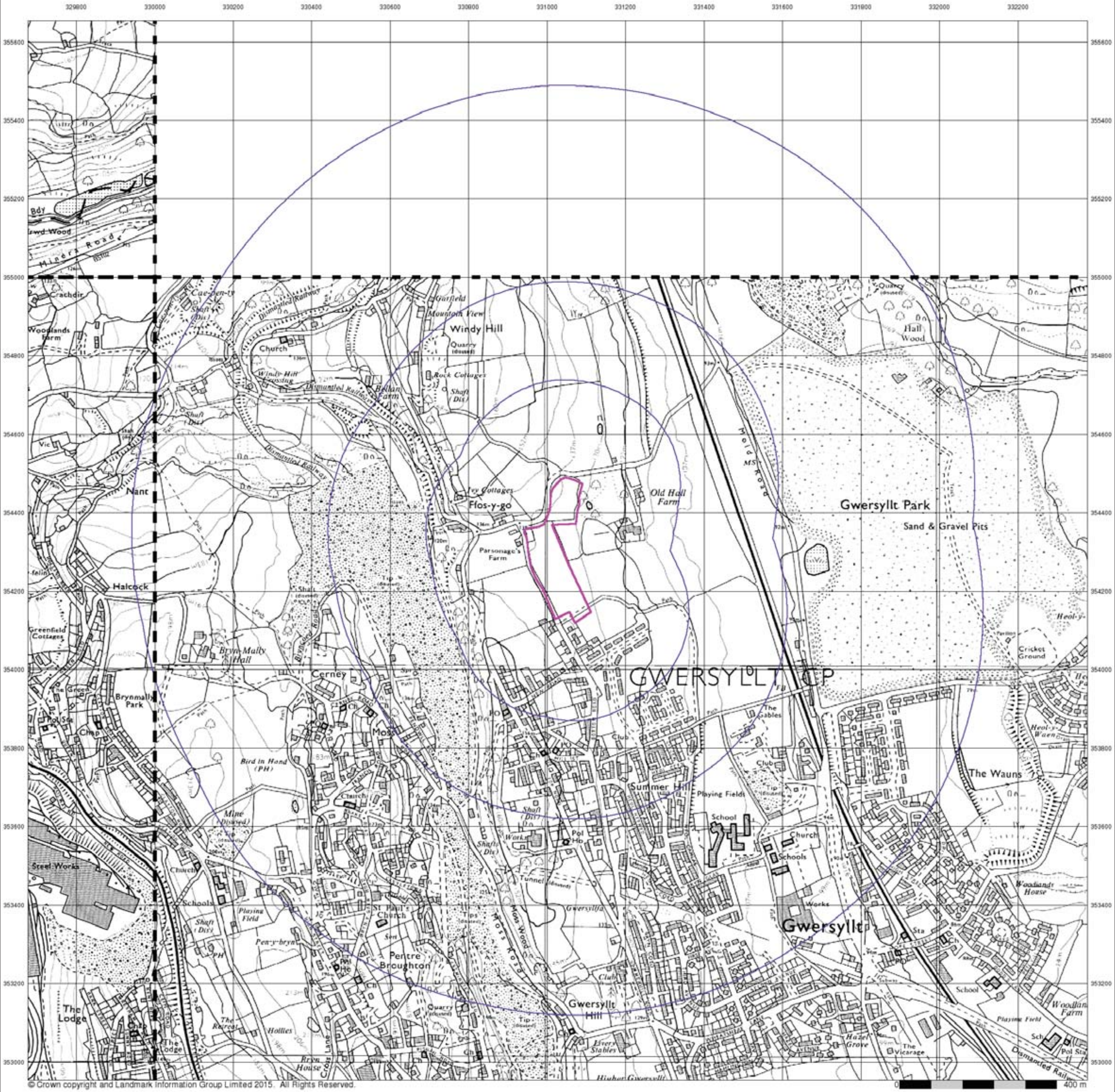
Order Details

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,
WREXHAM, Clwyd, LL11 4TS

Landmark® Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

Envirocheck®

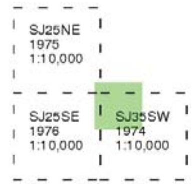
Ordnance Survey Plan

Published 1974 - 1976

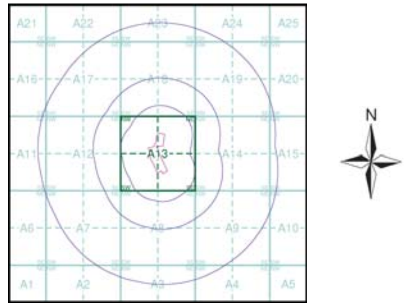
Source map scale - 1:10,000

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



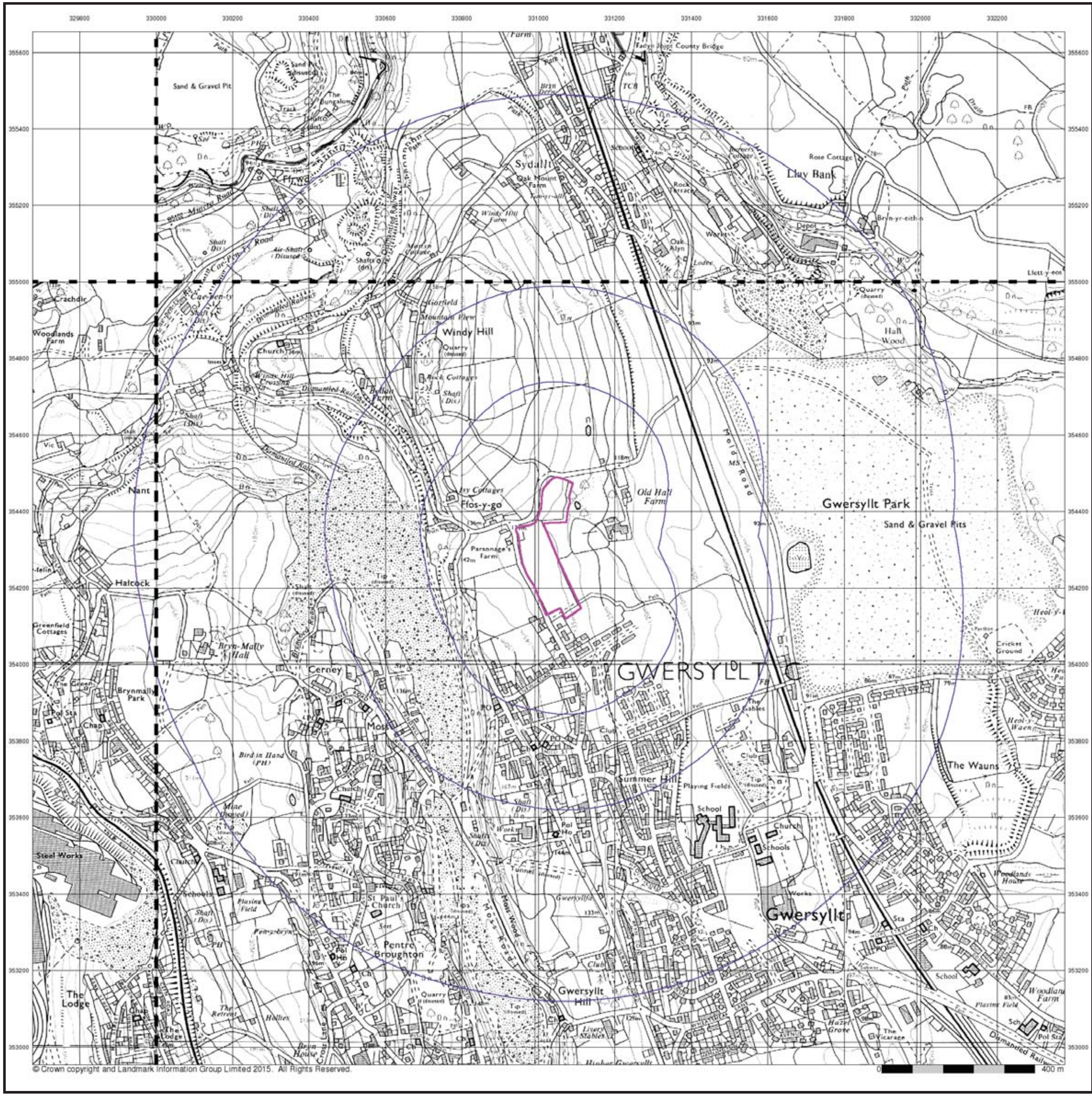
Order Details

Order Number: 84701701_1_1
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

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



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

Envirocheck®

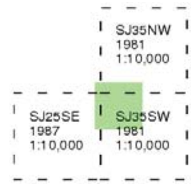
Ordnance Survey Plan

Published 1981 - 1987

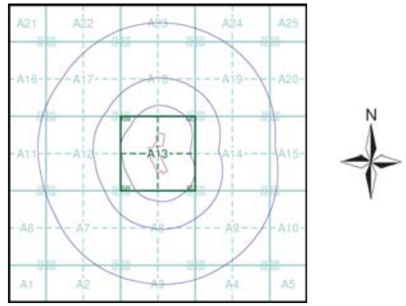
Source map scale - 1:10,000

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

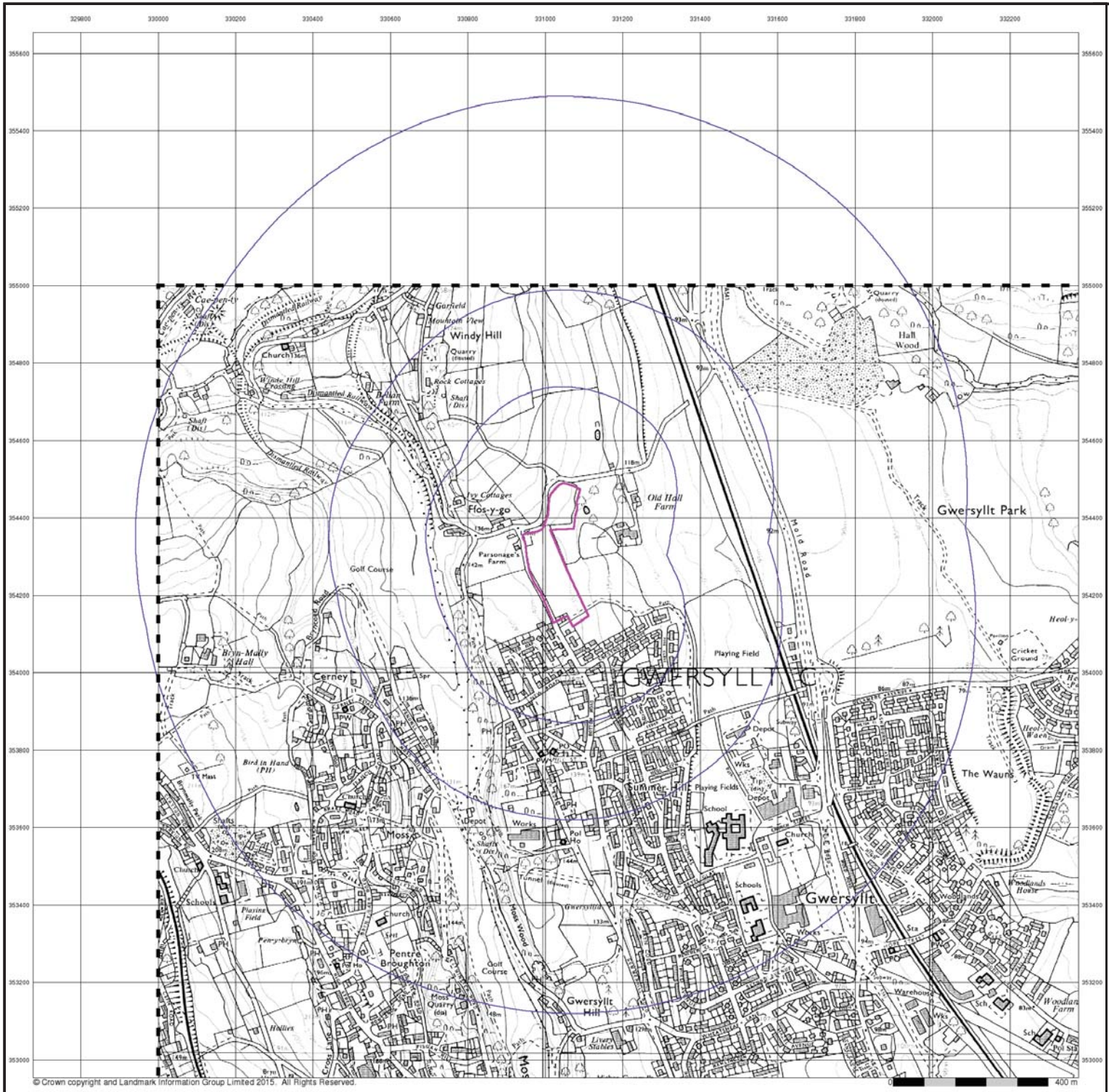
Order Number: 84701701_1_1
Customer Ref: 48048
National Grid Reference: 331040, 354300
Slice: A
Site Area (Ha): 2.95
Search Buffer (m): 1000

Site Details

Land east of Bottom Road, Summerhill,

Landmark Information Group

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



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

Envirocheck®

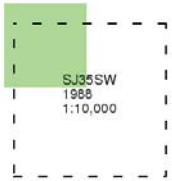
Ordnance Survey Plan

Published 1988

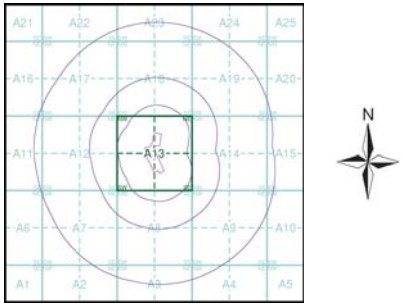
Source map scale - 1:10,000

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



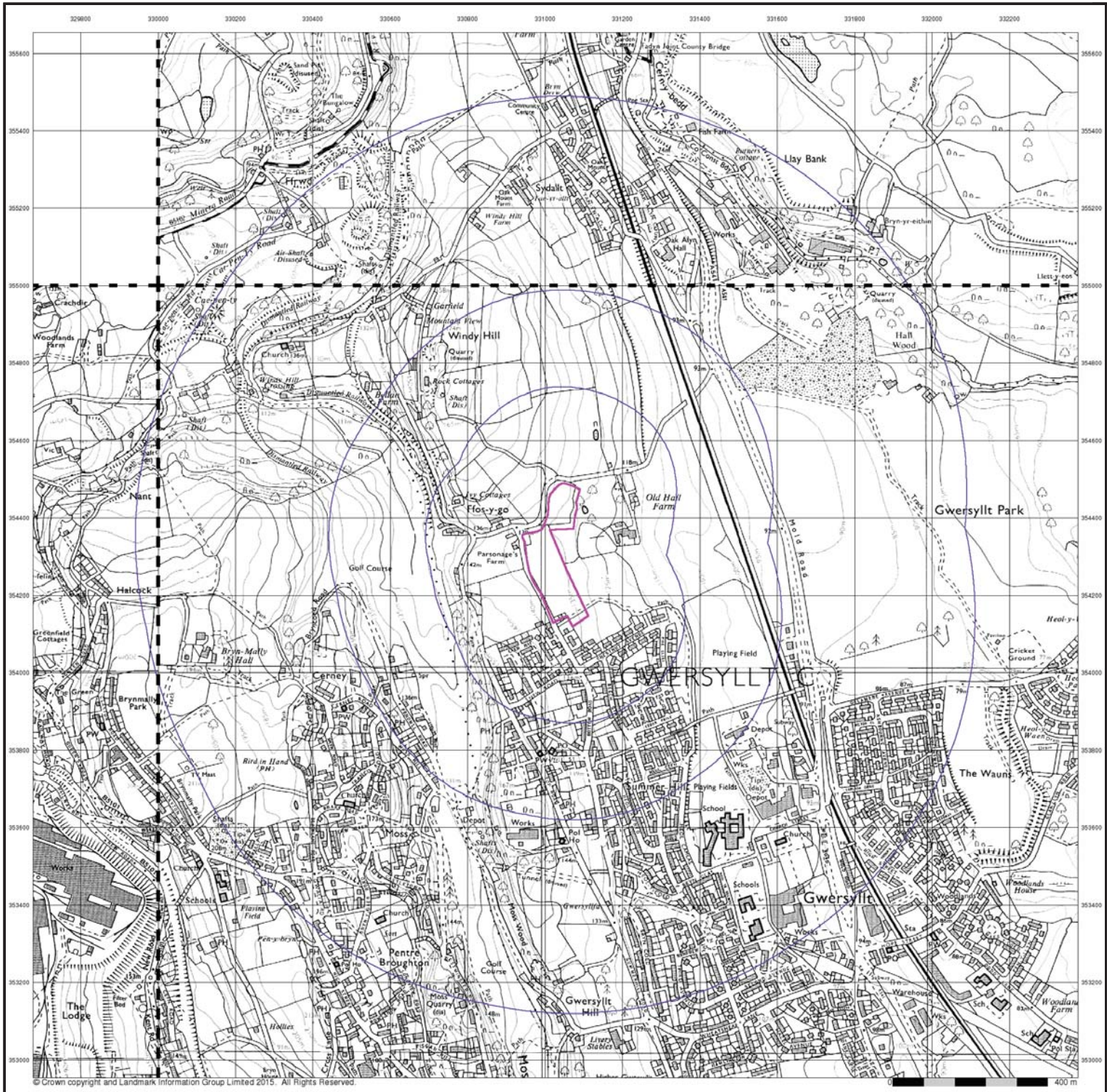
Order Details

Order Number:	84701701_1_1
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

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



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

Envirocheck®

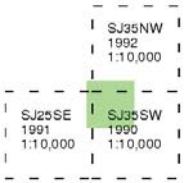
Ordnance Survey Plan

Published 1990 - 1992

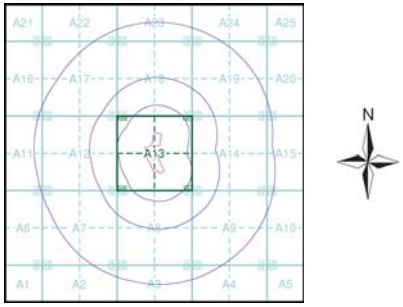
Source map scale - 1:10,000

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



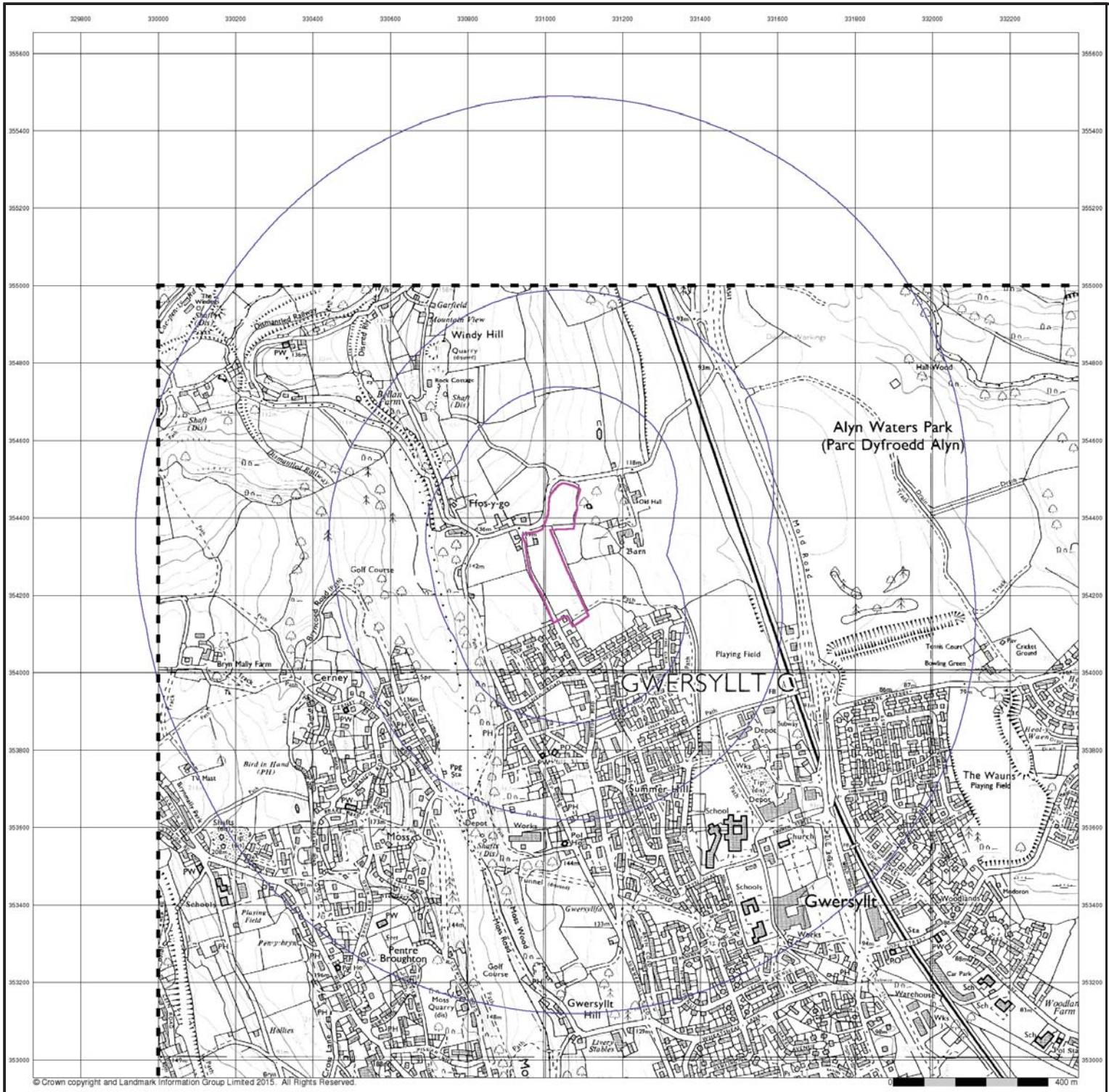
Order Details

Order Number:	84701701_1_1
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

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



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

Envirocheck®

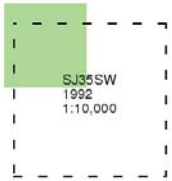
Ordnance Survey Plan

Published 1992

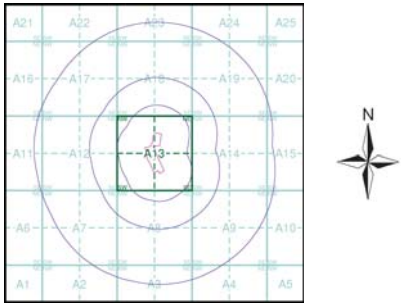
Source map scale - 1:10,000

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
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

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



© Crown copyright. All Rights Reserved. Licence Number 100022432.

Envirocheck®

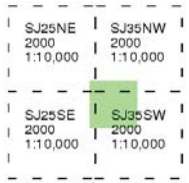
10k Raster Mapping

Published 2000

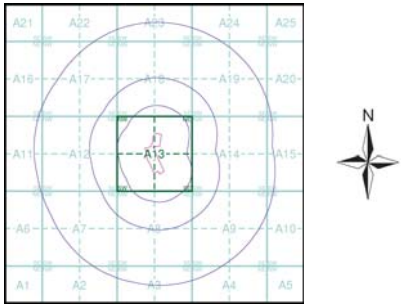
Source map scale - 1:10,000

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

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

Landmark Information Group

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



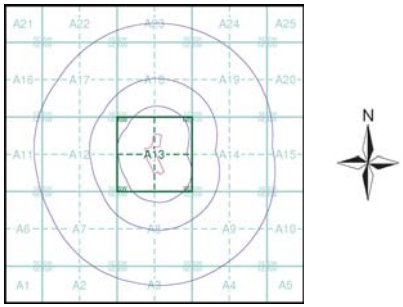
Envirocheck®

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

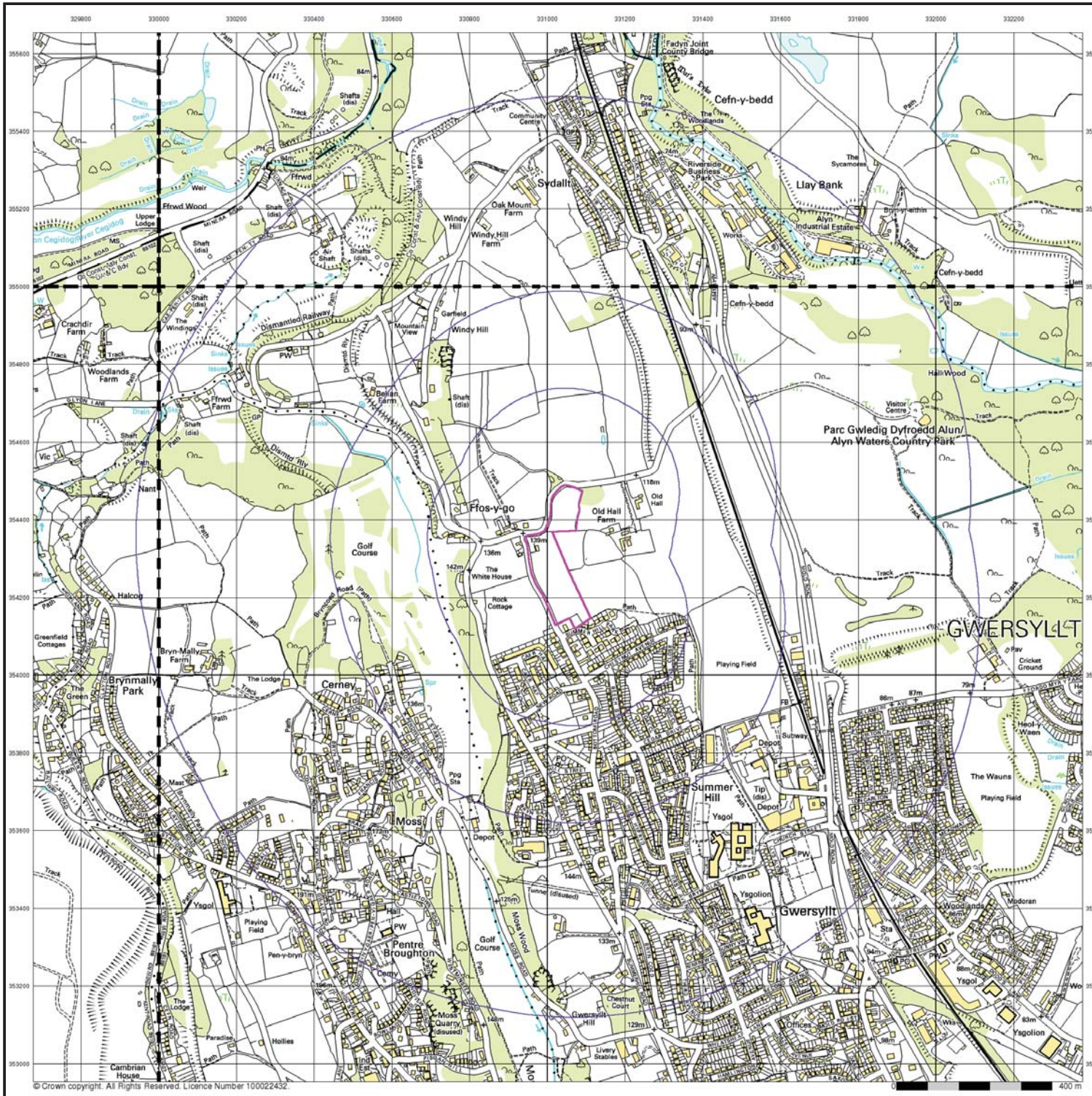
Order Number:	84701701_1_1
Customer Ref:	48048
National Grid Reference:	331040, 354300
Slice:	A
Site Area (Ha):	2.95
Search Buffer (m):	1000

Site Details

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

Landmark® Information Group

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



Envirocheck®

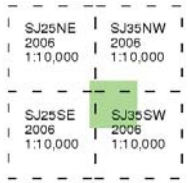
10k Raster Mapping

Published 2006

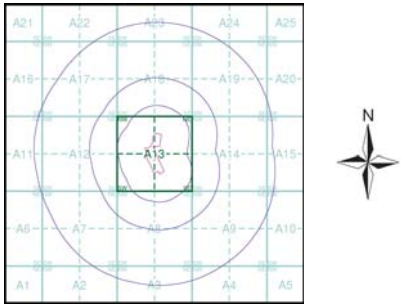
Source map scale - 1:10,000

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

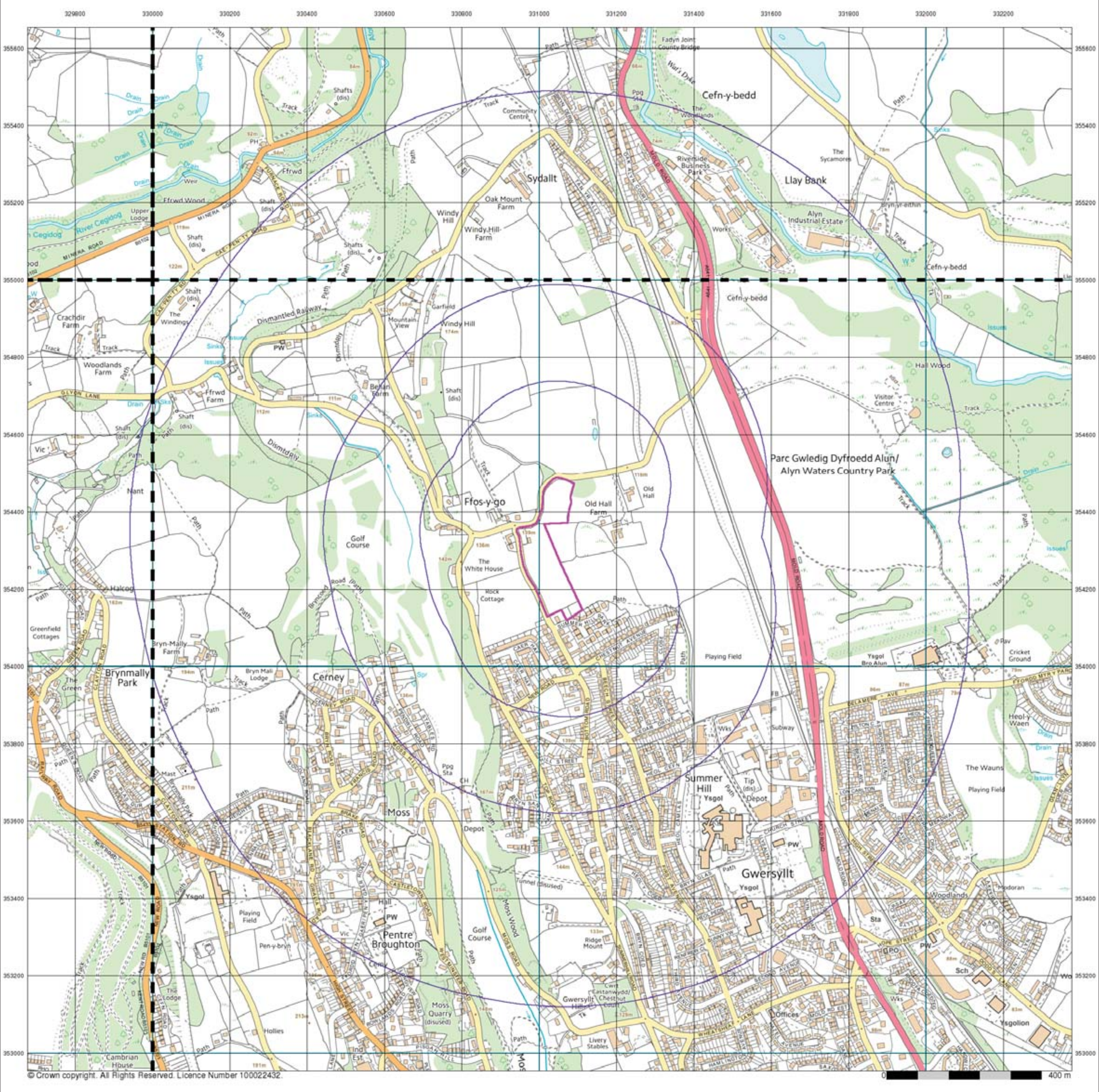
Order Number:	84701701_1_1
Customer Ref:	48048
National Grid Reference:	331040, 354300
Slice:	A
Site Area (Ha):	2.95
Search Buffer (m):	1000

Site Details

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

Landmark Information Group

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



© Crown copyright. All Rights Reserved. Licence Number 100022432.

Envirocheck®

VectorMap Local

Published 2016

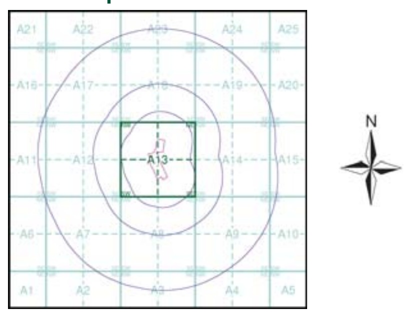
Source map scale - 1:10,000

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



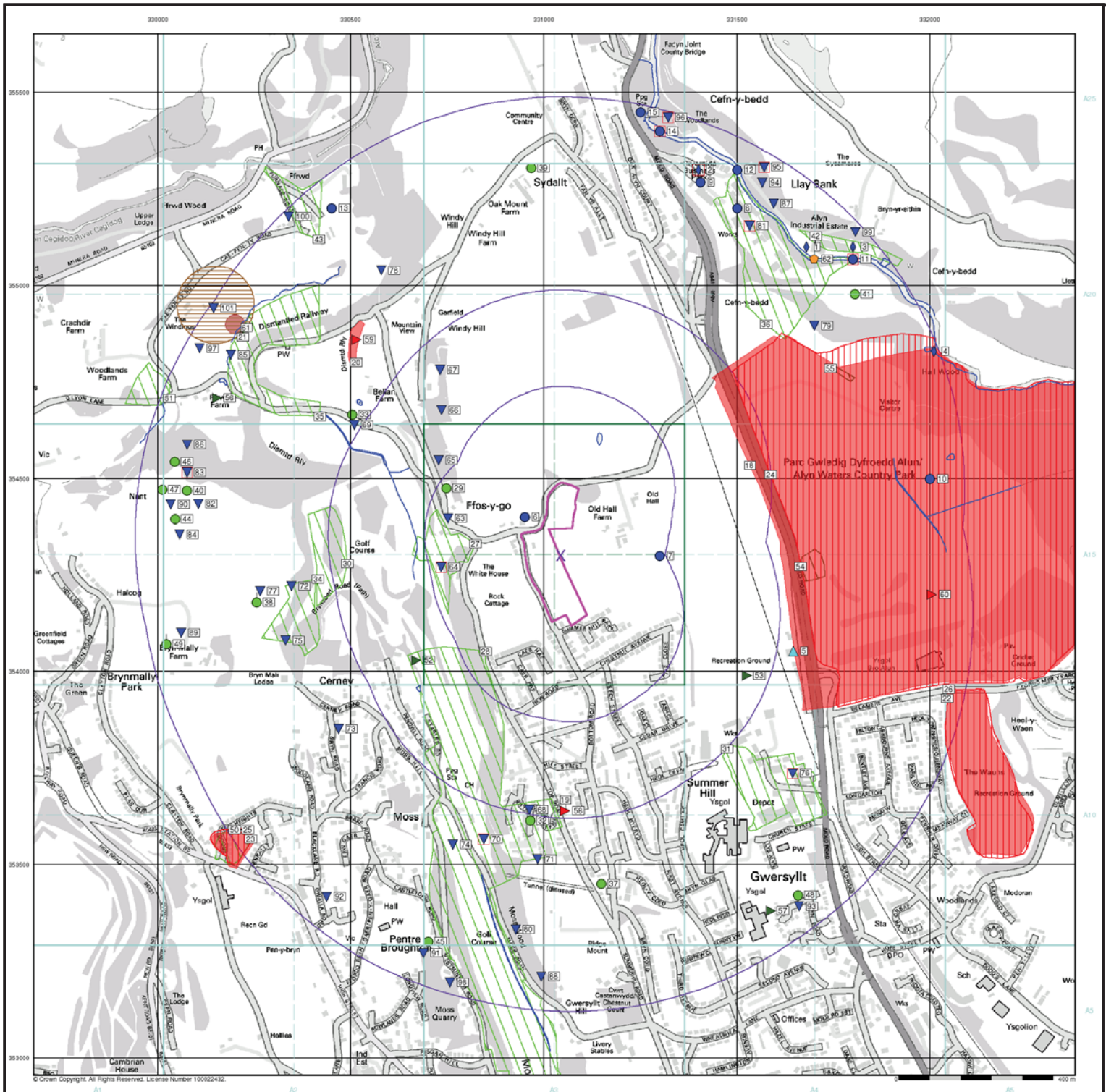
Order Details

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, WREXHAM, Clwyd, LL11 4TS

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



Envirocheck®

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

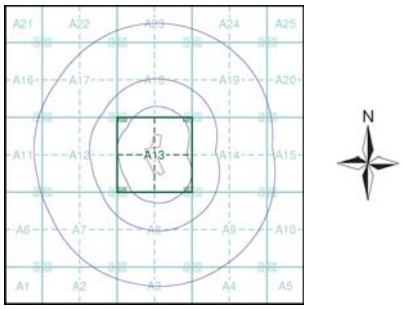
- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Geological

- BGS Recorded Mineral Site

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

Site Sensitivity Map - Slice A



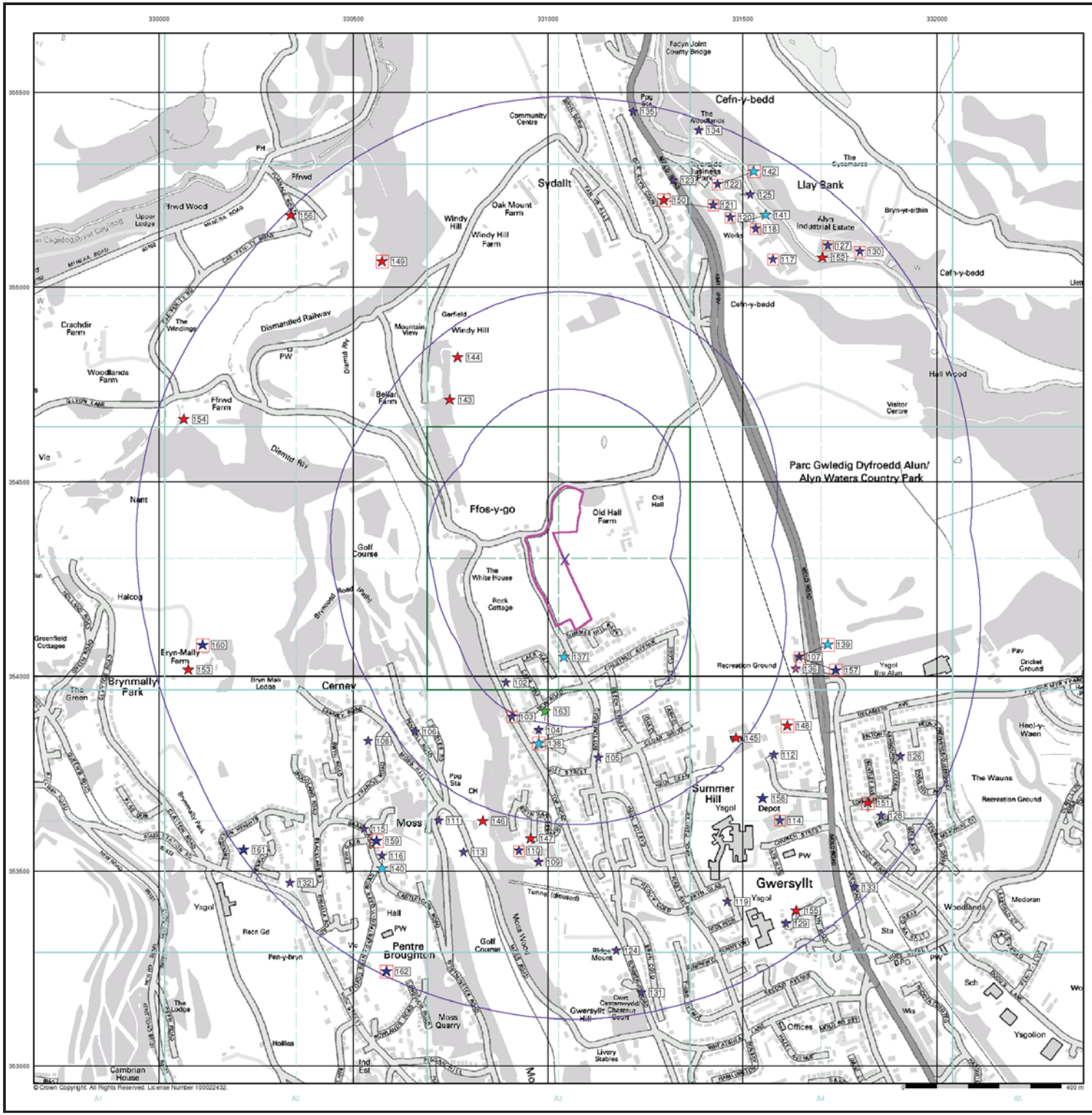
Order Details

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

Landmark® Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Envirocheck®

Industrial Land Use Map

General

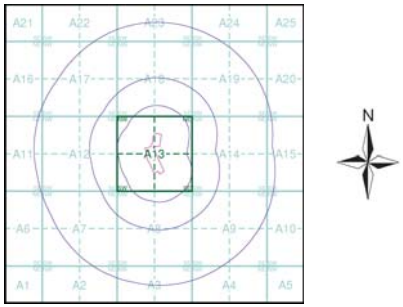
Specified Site | Specified Buffer(s) | Bearing Reference Point

Slice | Map ID

Industrial Land Use

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

Industrial Land Use Map - Slice A



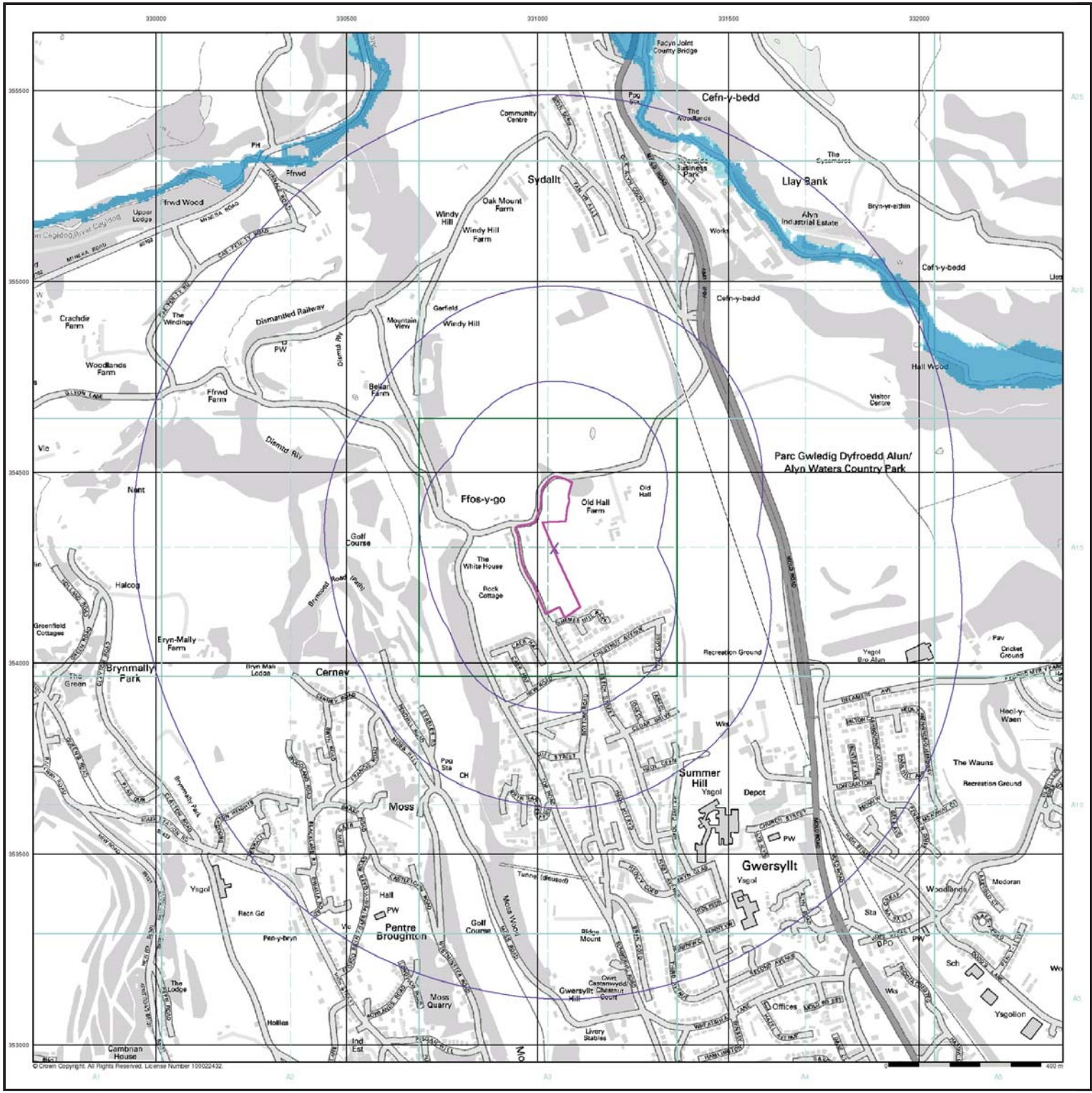
Order Details

Order Number:	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

Landmark® Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



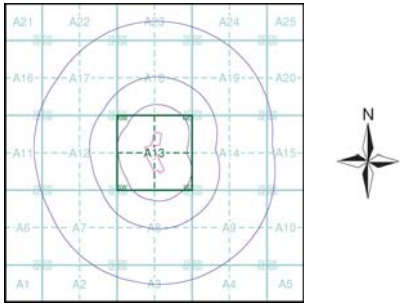
General

- 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



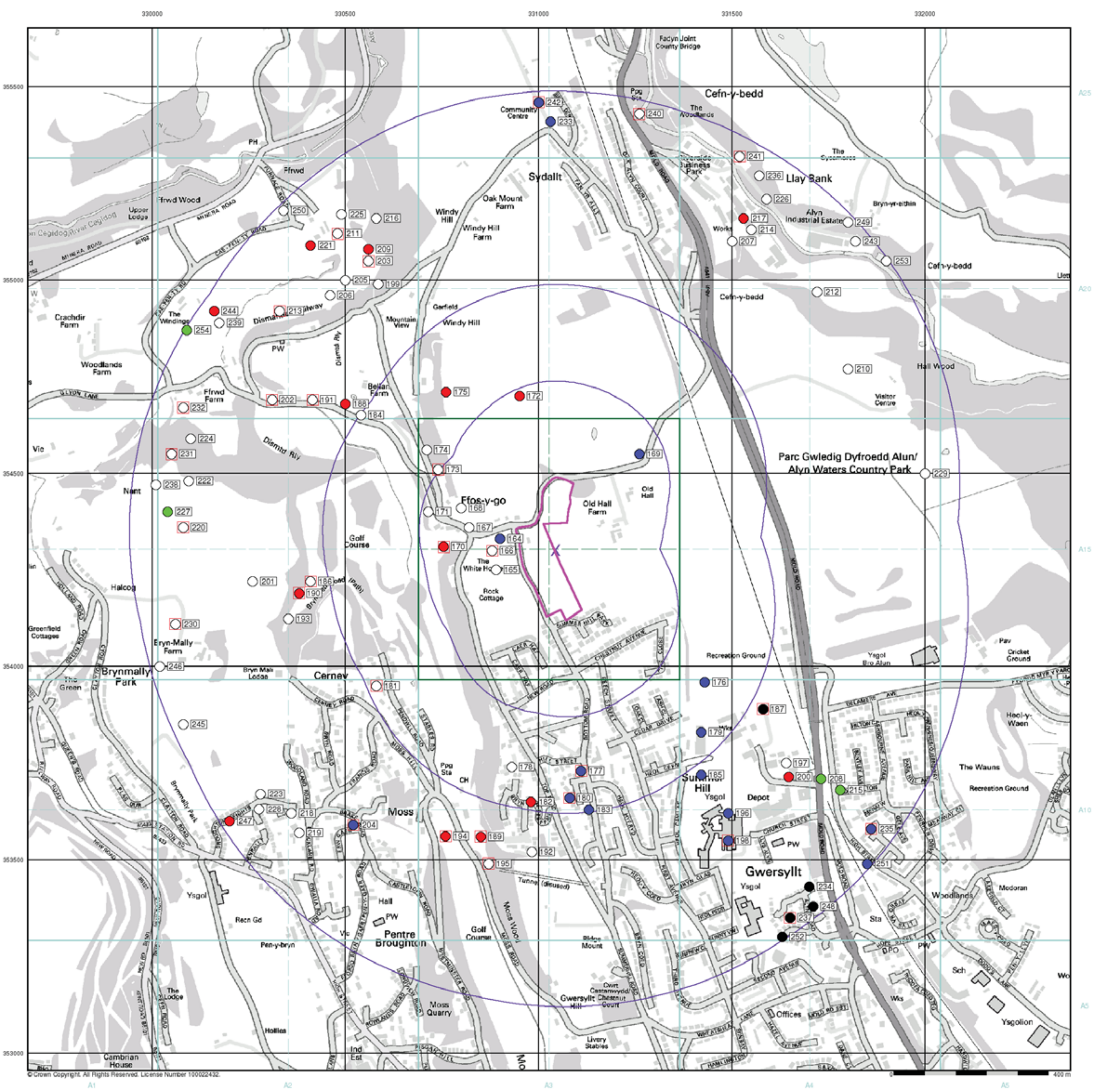
Order Details

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

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

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



Envirocheck®

General

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

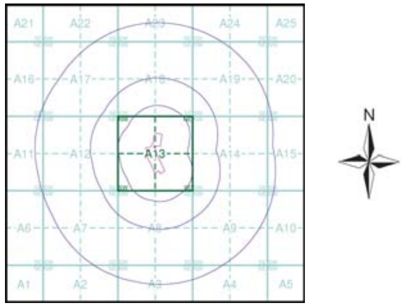
Agency and Hydrological (Boreholes)

- 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



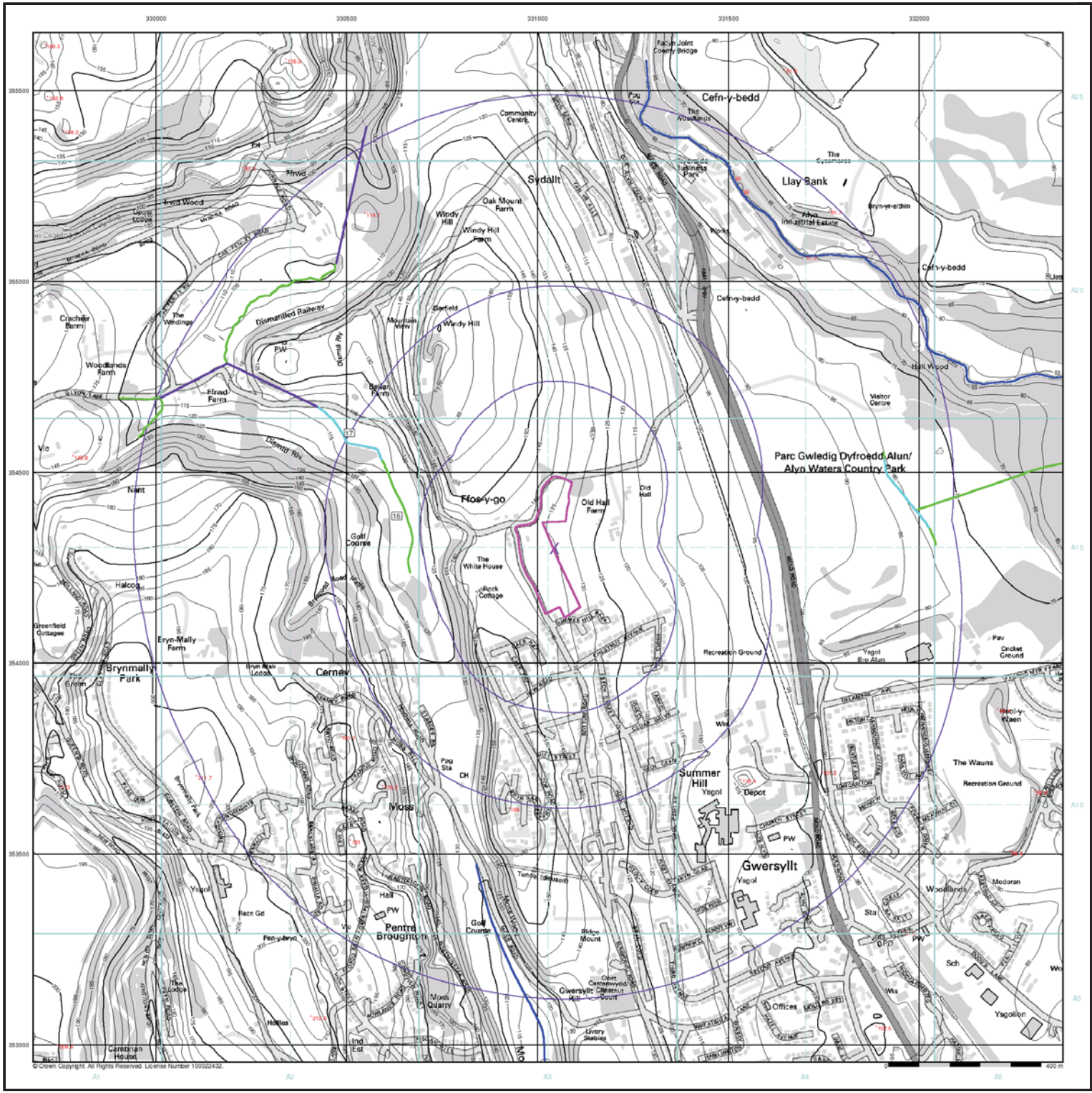
Order Details

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

Site Details

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

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



Envirocheck®

General

- Specified Site
- Specified Buffer(s)
- 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)

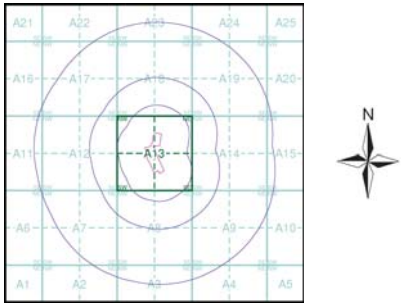
Standard Contour 105

Master Contour 100

Spot Height *167.3

- MLW Mean Low Water
- MHW Mean High Water

EA/NRW Detailed River Network Map - Slice A



Order Details

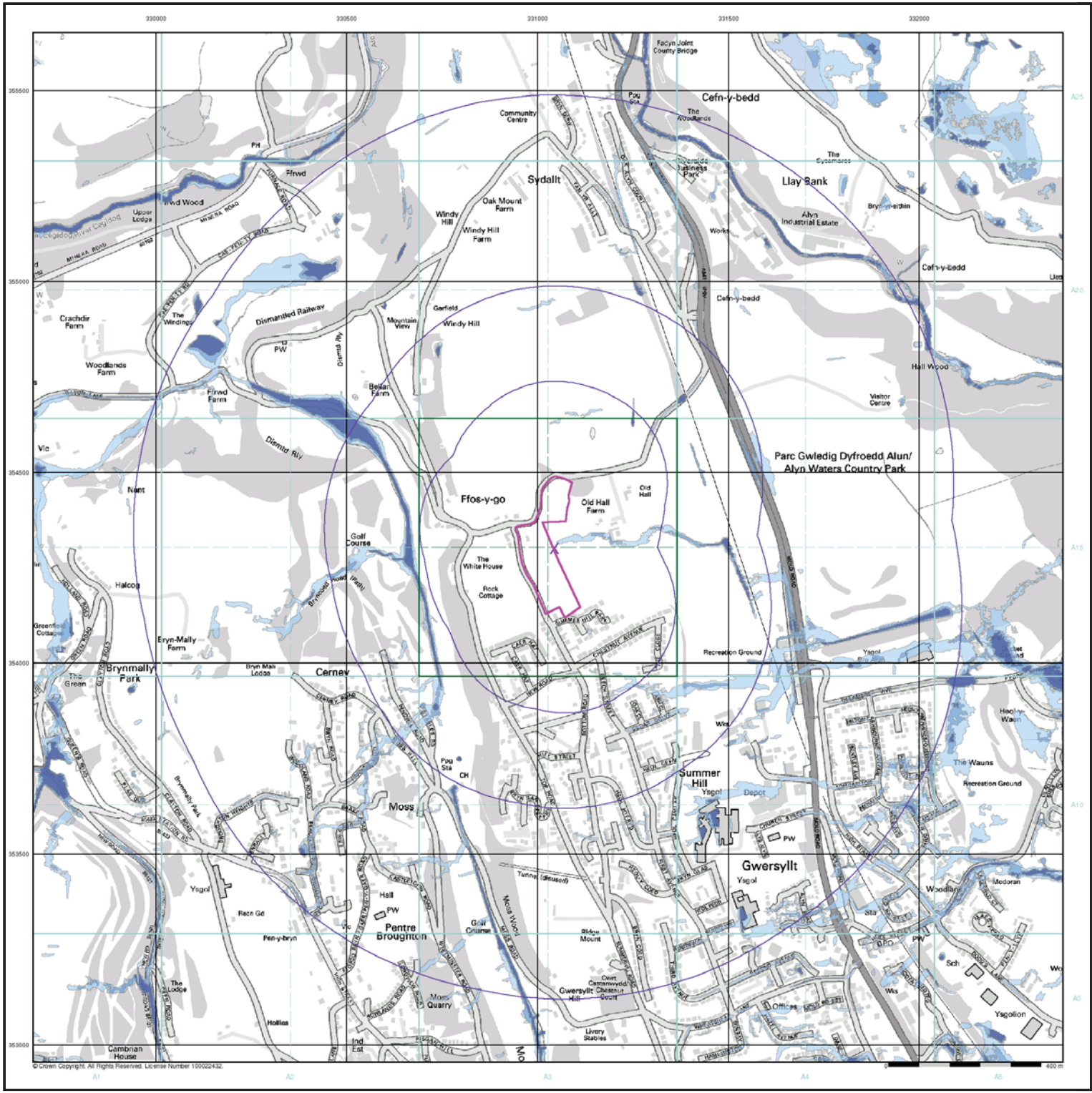
Order Number:	84701701_1_1
Customer Ref:	48048
National Grid Reference:	331040, 354300
Slice:	A
Site Area (Ha):	2.95
Search Buffer (m):	1000

Site Details

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

Landmark® Information Group

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



Envirocheck®

General

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

Risk of Flooding from Surface Water

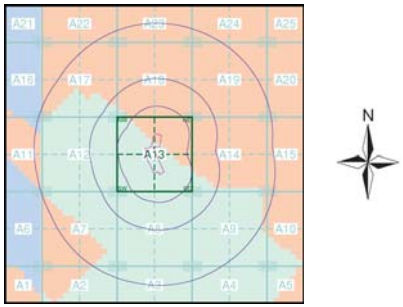
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

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

EA/NRW Suitability Map - Slice A



Order Details

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

Site Details

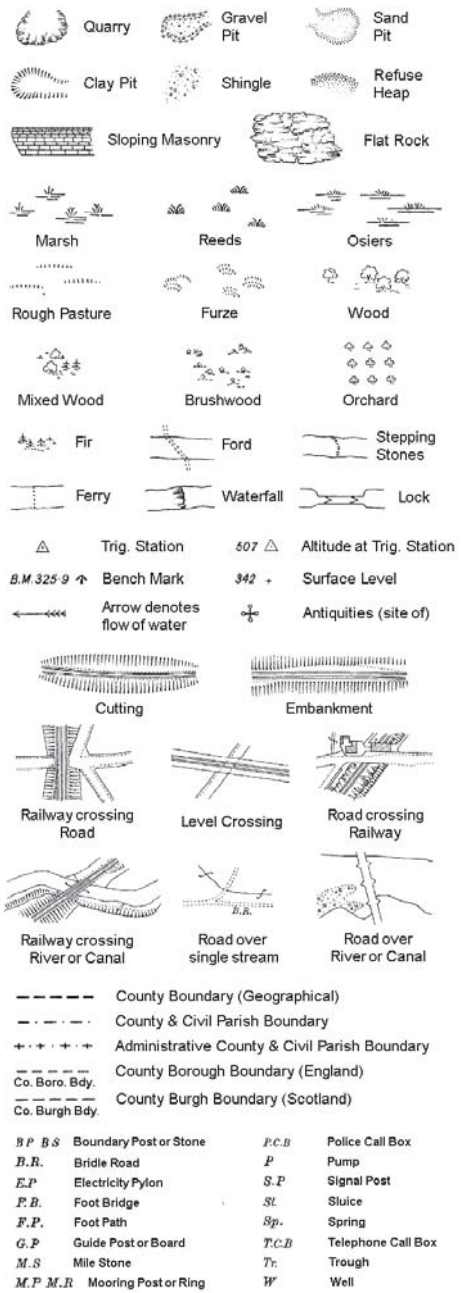
Land east of Bottom Road, Summerhill,
WREXHAM, Clwyd, LL11 4TS

Landmark Information Group

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

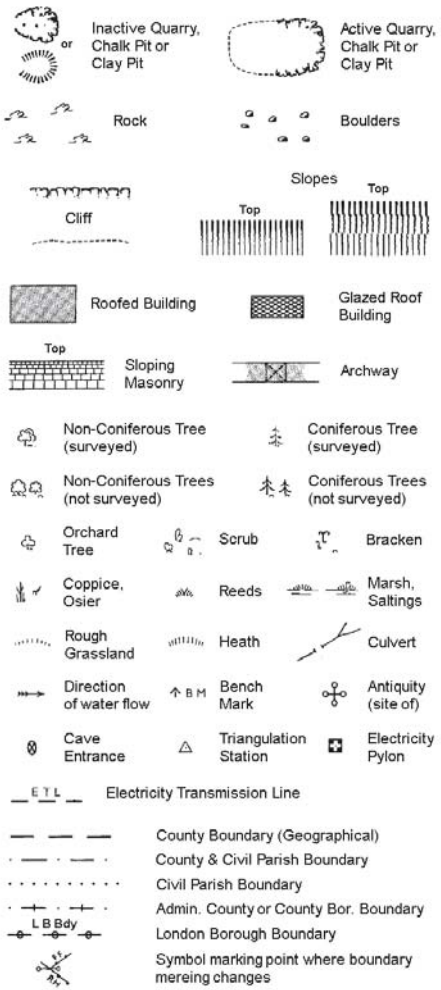
Historical Mapping Legends

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



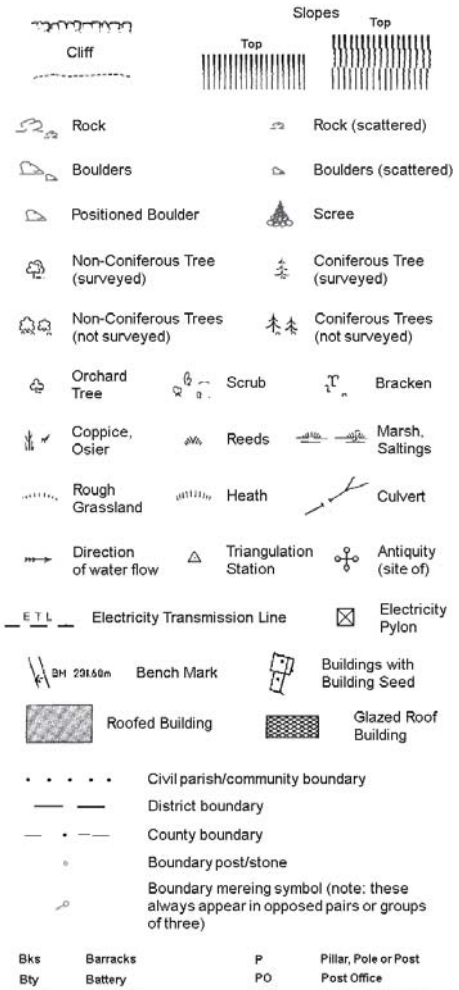
B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

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



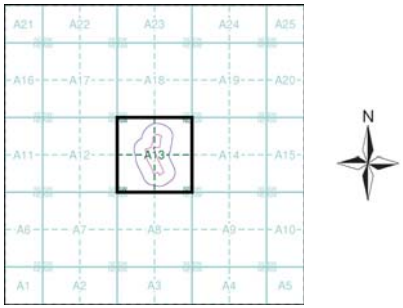
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity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

Envirocheck®

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

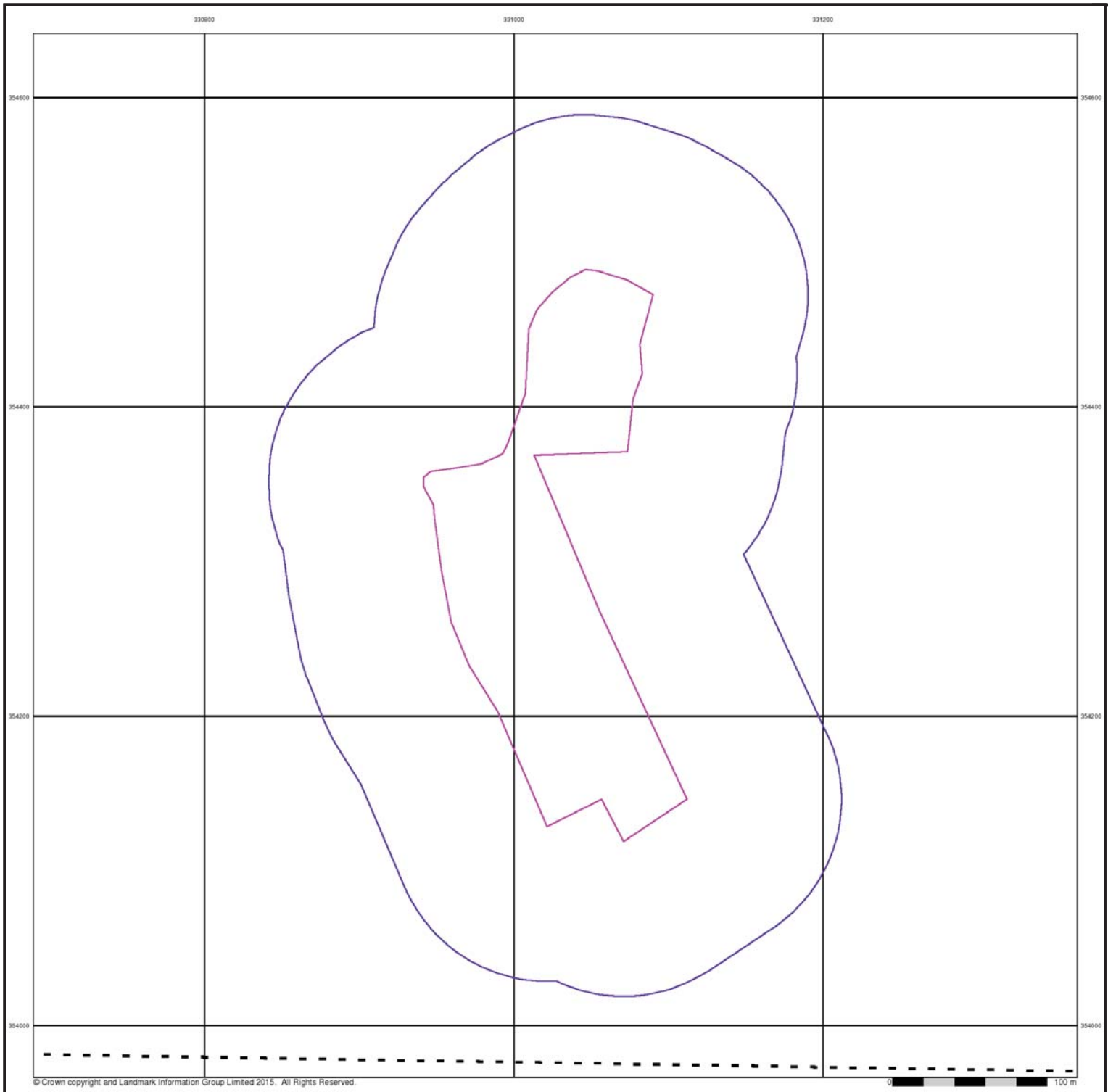
Order Number:	84701701_1_1
Customer Ref:	48048
National Grid Reference:	331040, 354300
Slice:	A
Site Area (Ha):	2.95
Search Buffer (m):	100

Site Details

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

Landmark® Information Group

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



Envirocheck®

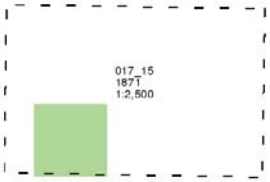
Flintshire

Published 1871

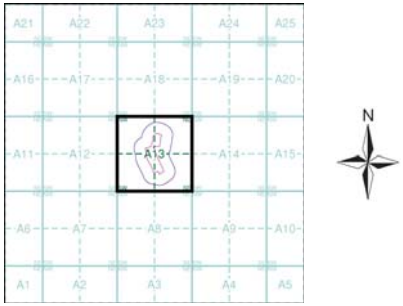
Source map scale - 1:2,500

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



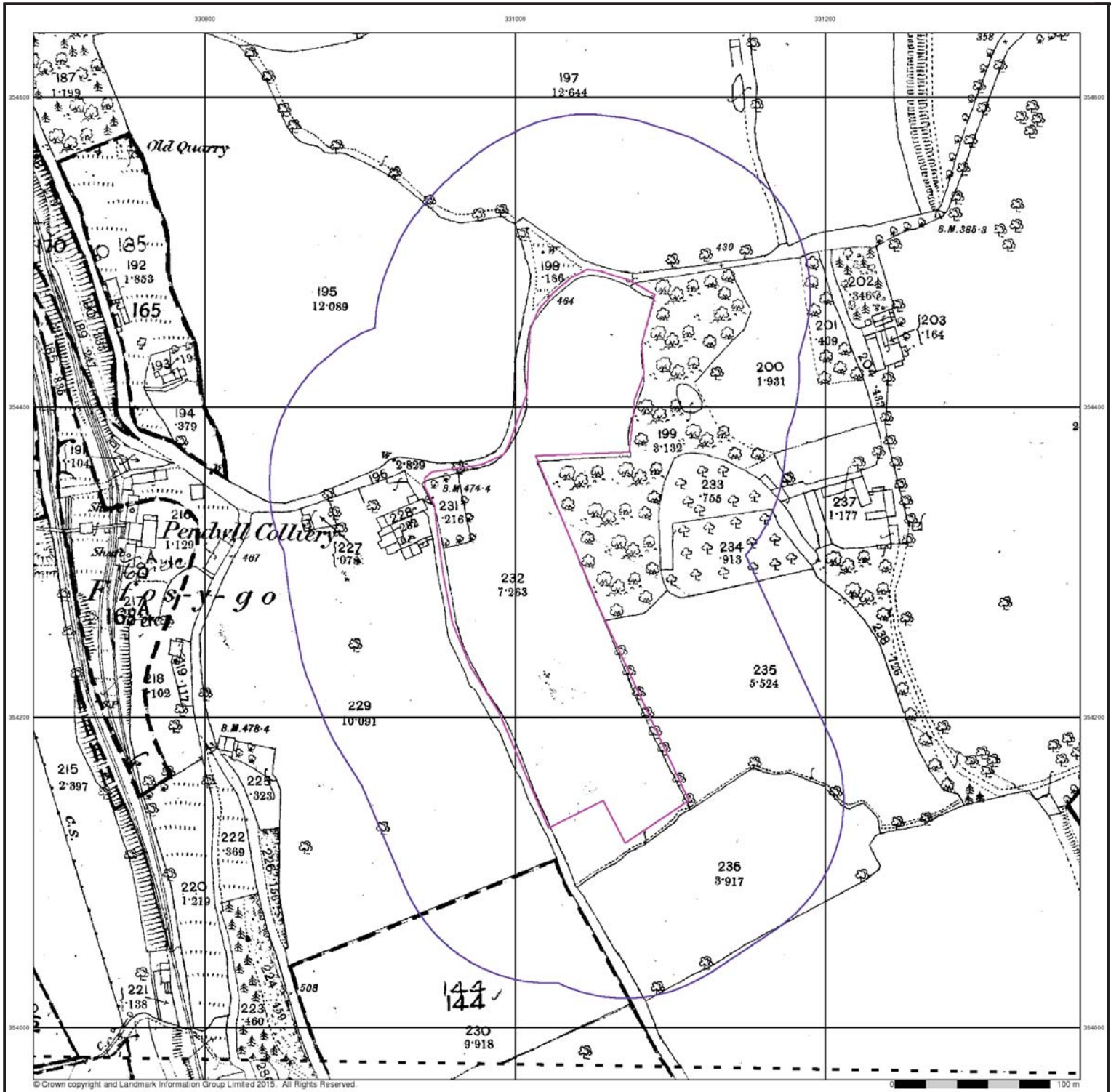
Order Details

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

Landmark® Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Envirocheck®

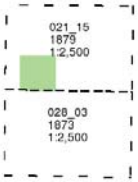
Denbighshire

Published 1873 - 1879

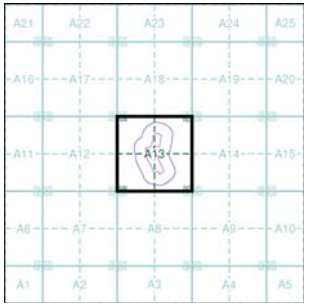
Source map scale - 1:2,500

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



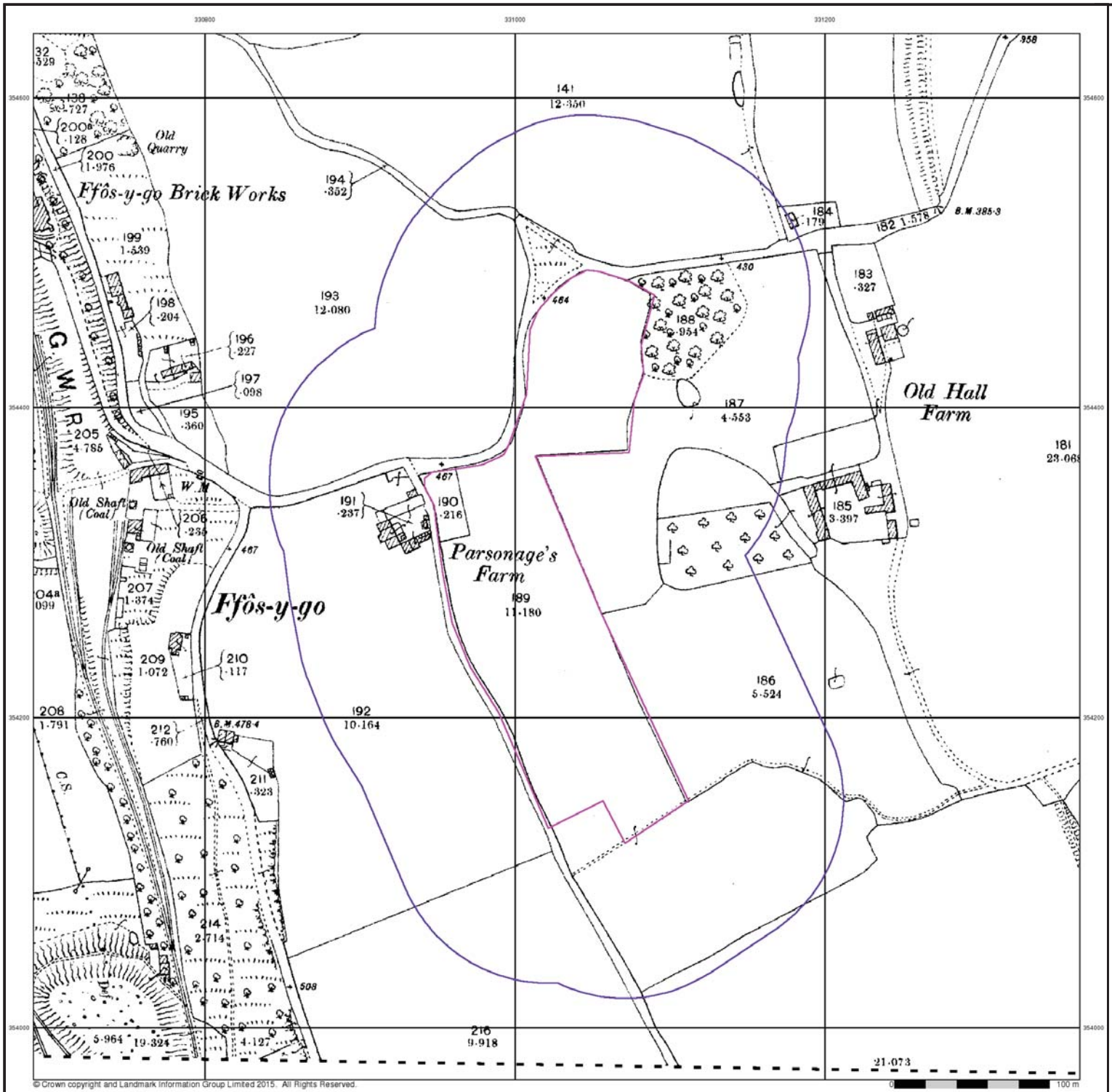
Order Details

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

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



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

Envirocheck®

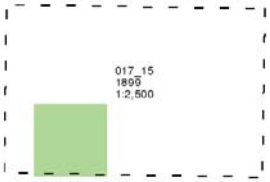
Flintshire

Published 1899

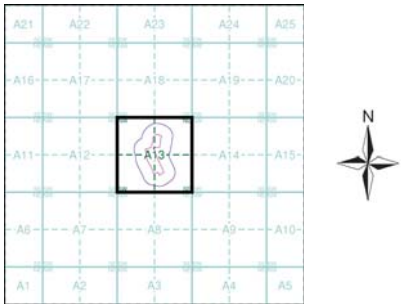
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



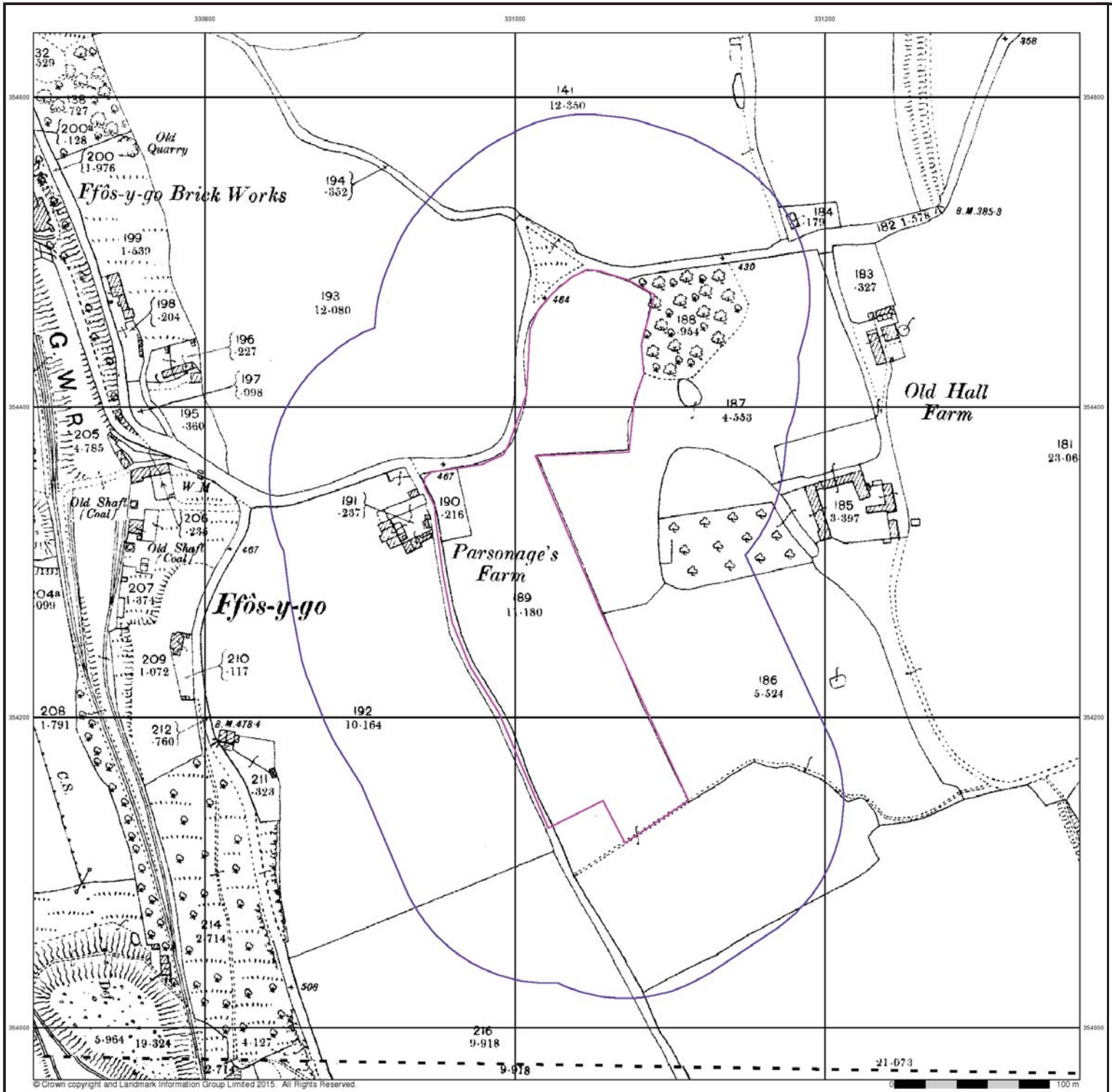
Order Details

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

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



Envirocheck®

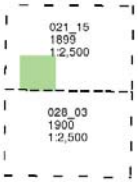
Denbighshire

Published 1899 - 1900

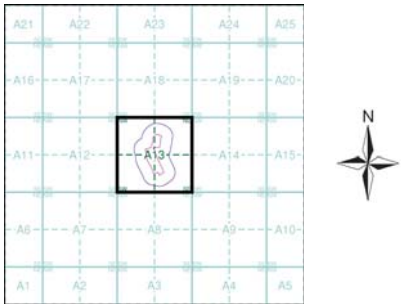
Source map scale - 1:2,500

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

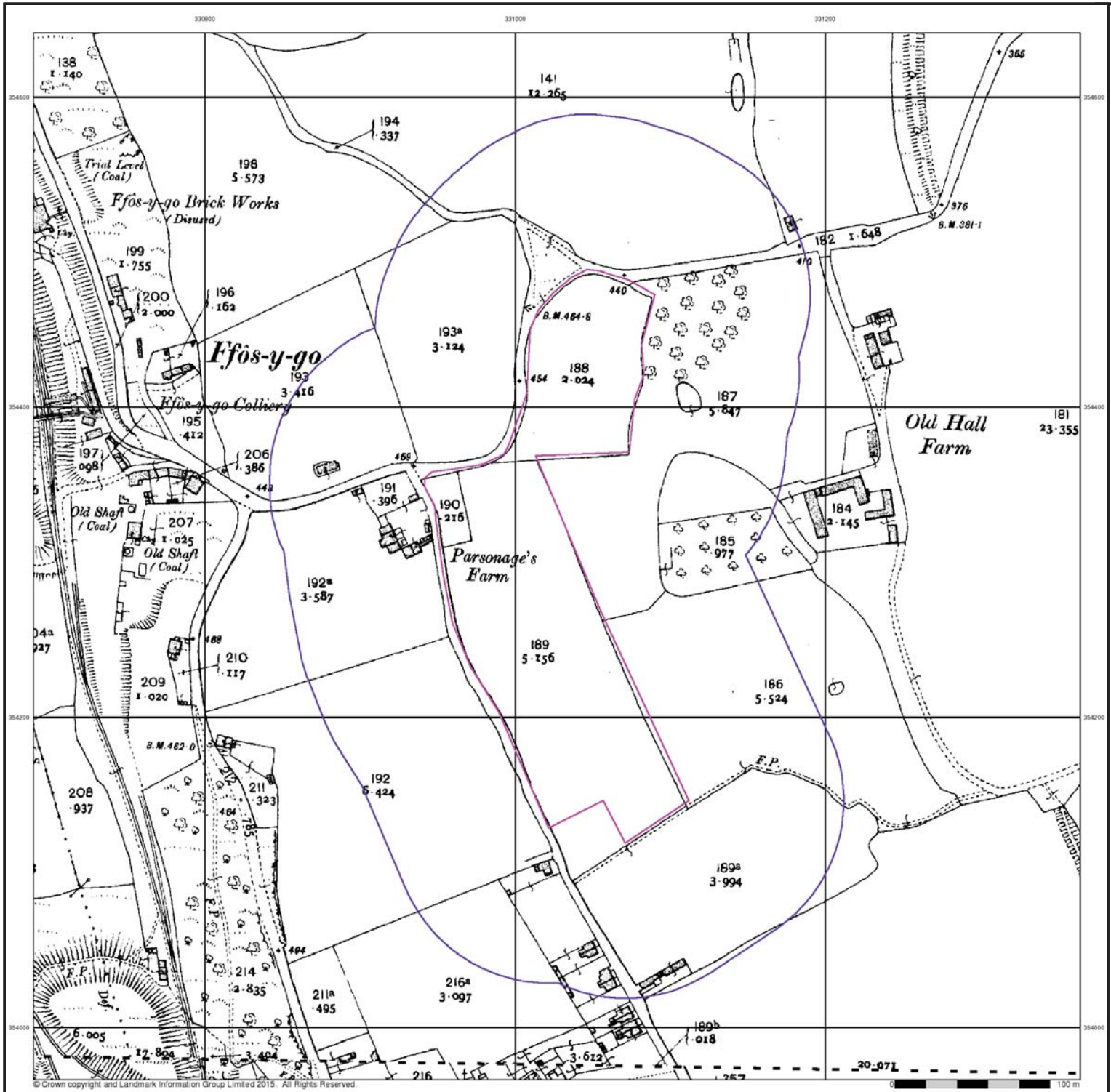
Order Number:	84701701_1_1
Customer Ref:	48048
National Grid Reference:	331040, 354300
Slice:	A
Site Area (Ha):	2.95
Search Buffer (m):	100

Site Details

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

Landmark Information Group

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



Envirocheck®

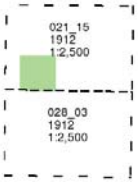
Denbighshire

Published 1912

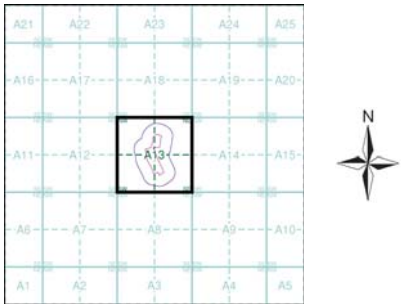
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

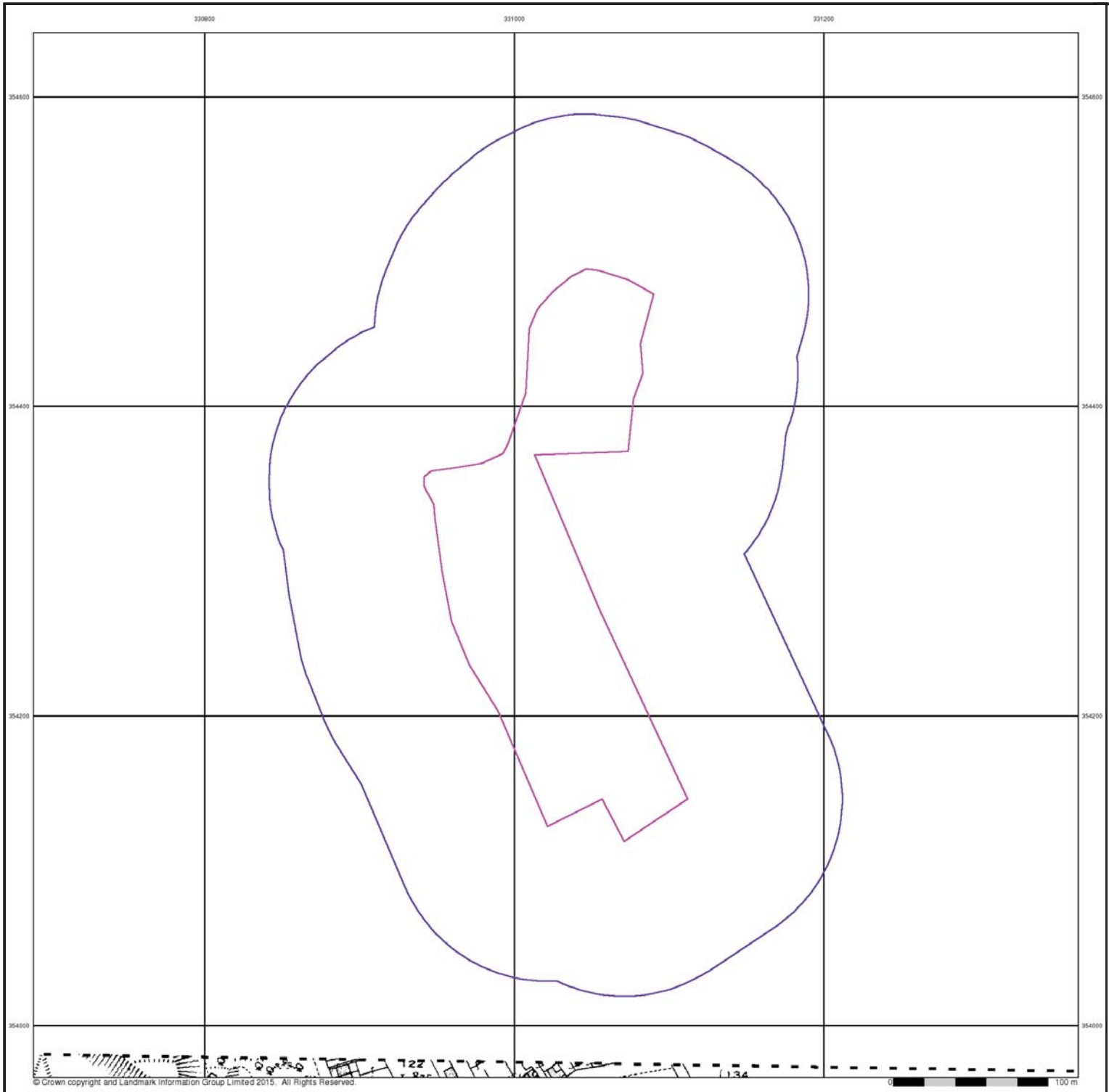
Order Number:	84701701_1_1
Customer Ref:	48048
National Grid Reference:	331040, 354300
Slice:	A
Site Area (Ha):	2.95
Search Buffer (m):	100

Site Details

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

Landmark Information Group

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



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

Envirocheck®

Denbighshire

Published 1939

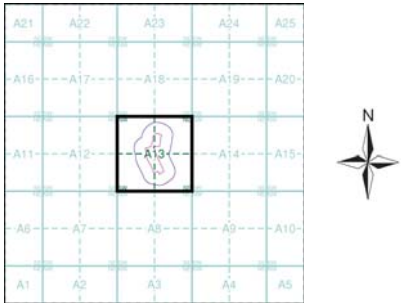
Source map scale - 1:2,500

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



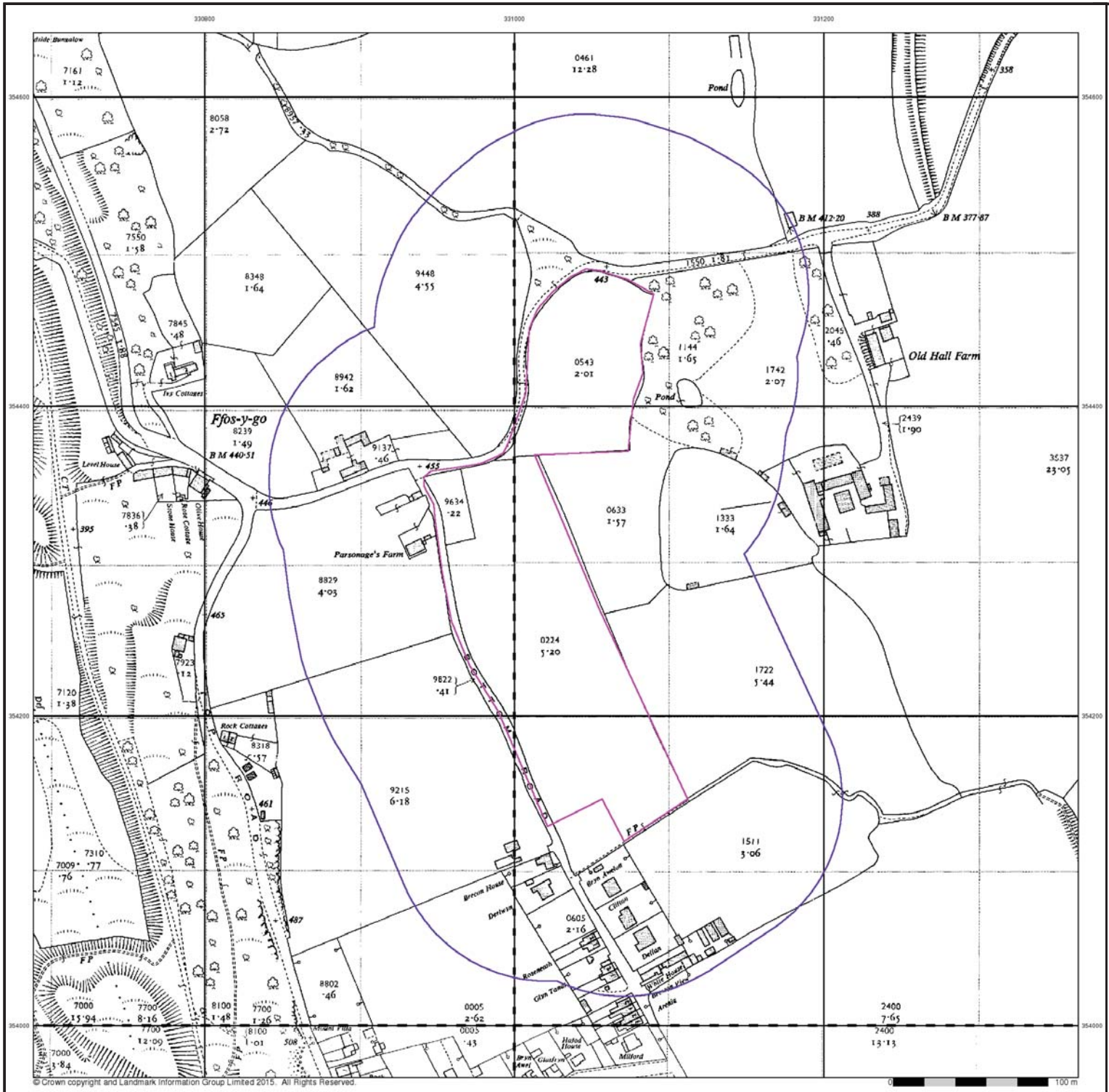
Order Details

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

Landmark® Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

Envirocheck®

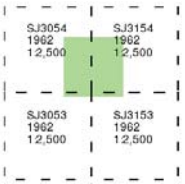
Ordnance Survey Plan

Published 1962

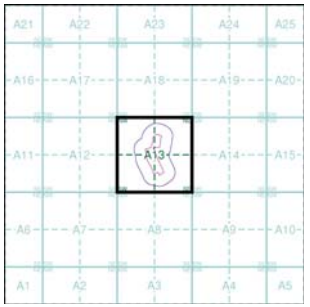
Source map scale - 1:2,500

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



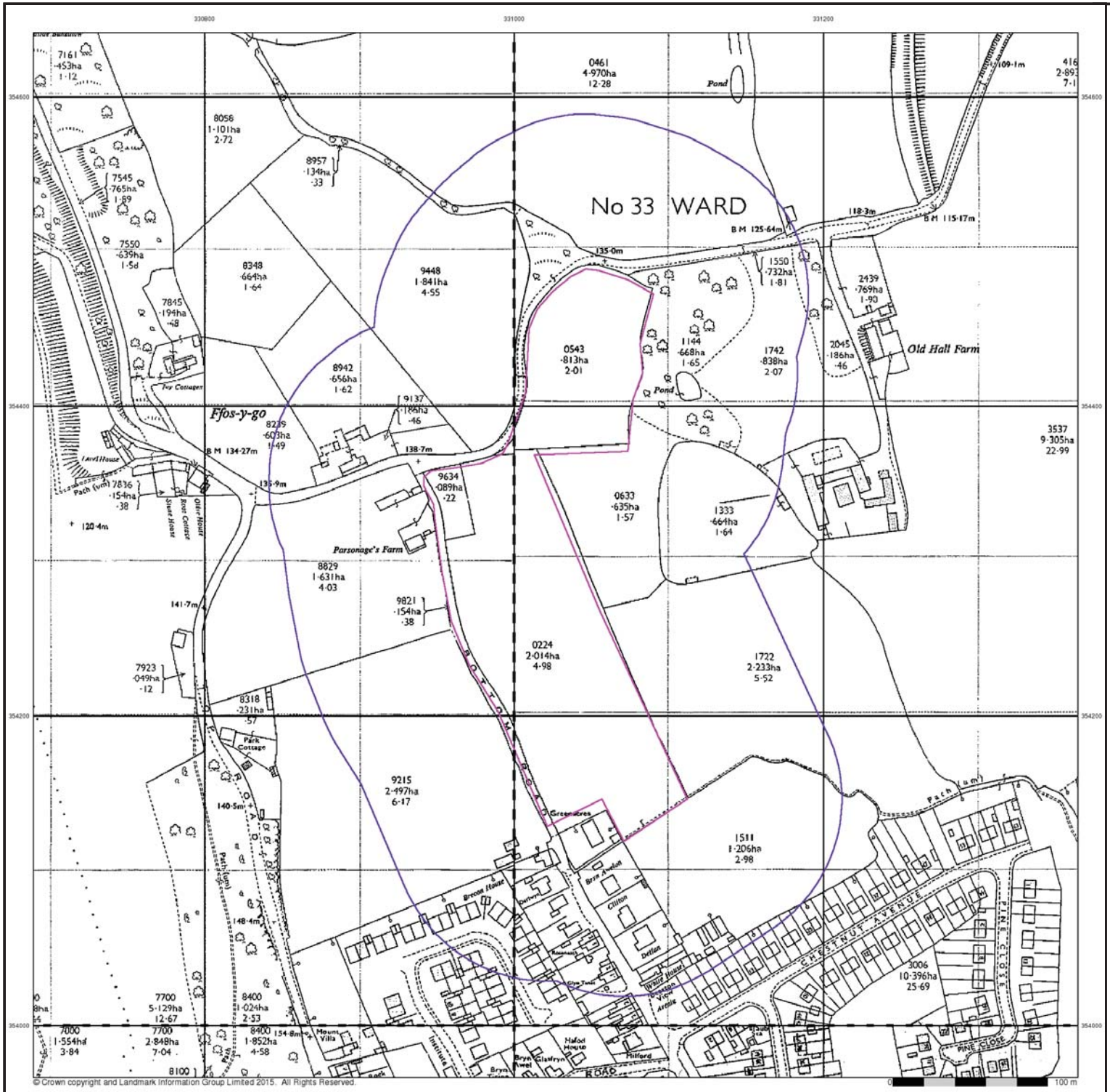
Order Details

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

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



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

Envirocheck®

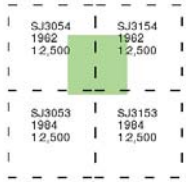
Additional SIMs

Published 1962 - 1984

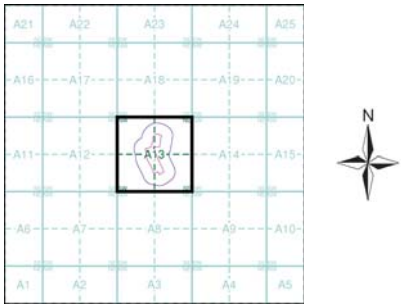
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



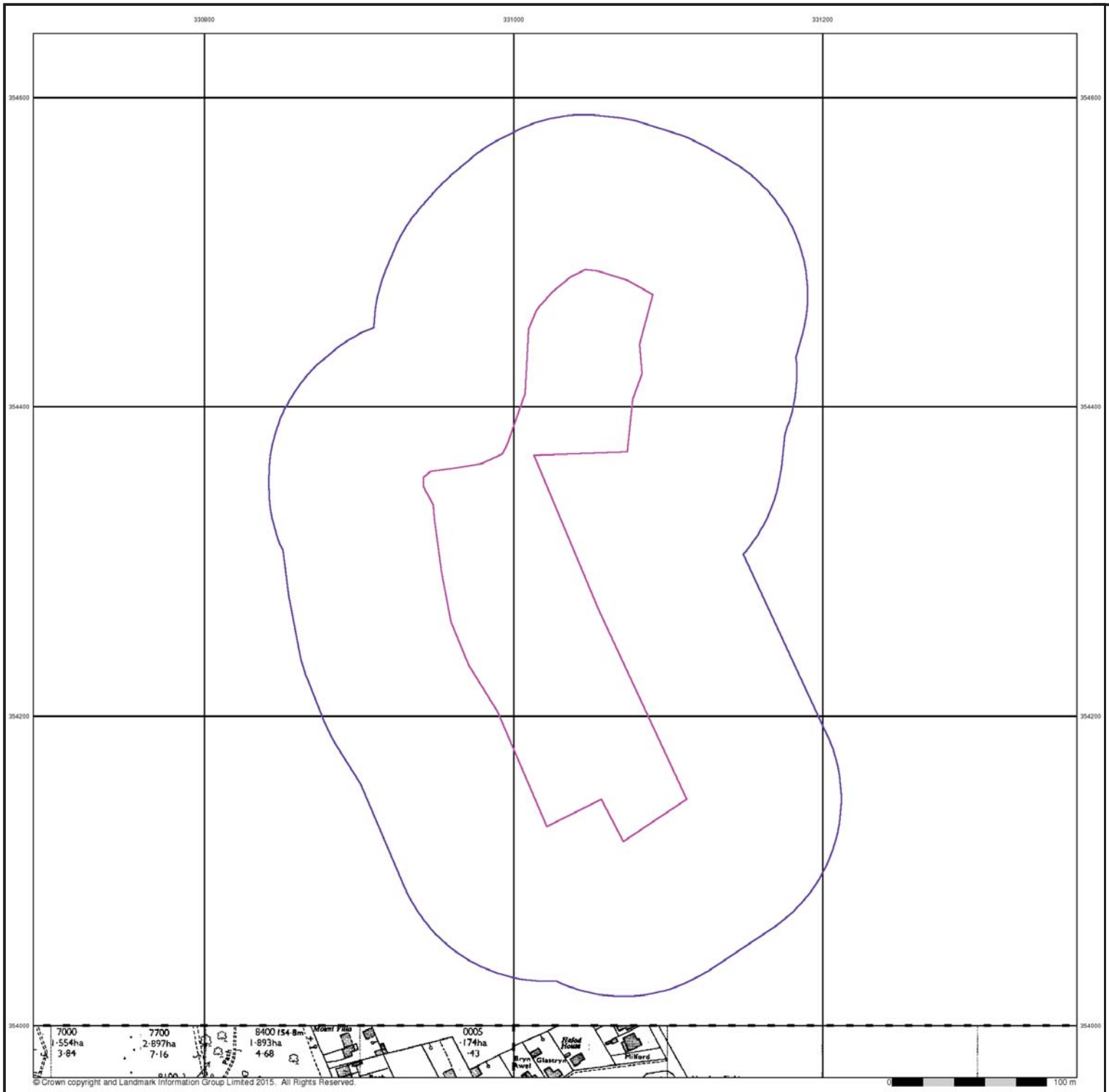
Order Details

Order Number:	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

Landmark® Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

Envirocheck®

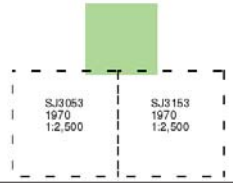
Ordnance Survey Plan

Published 1970

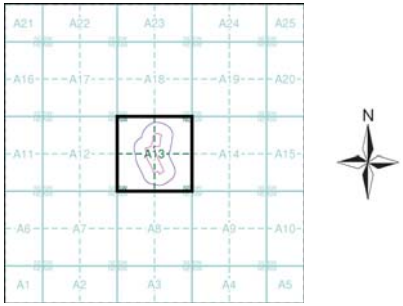
Source map scale - 1:2,500

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



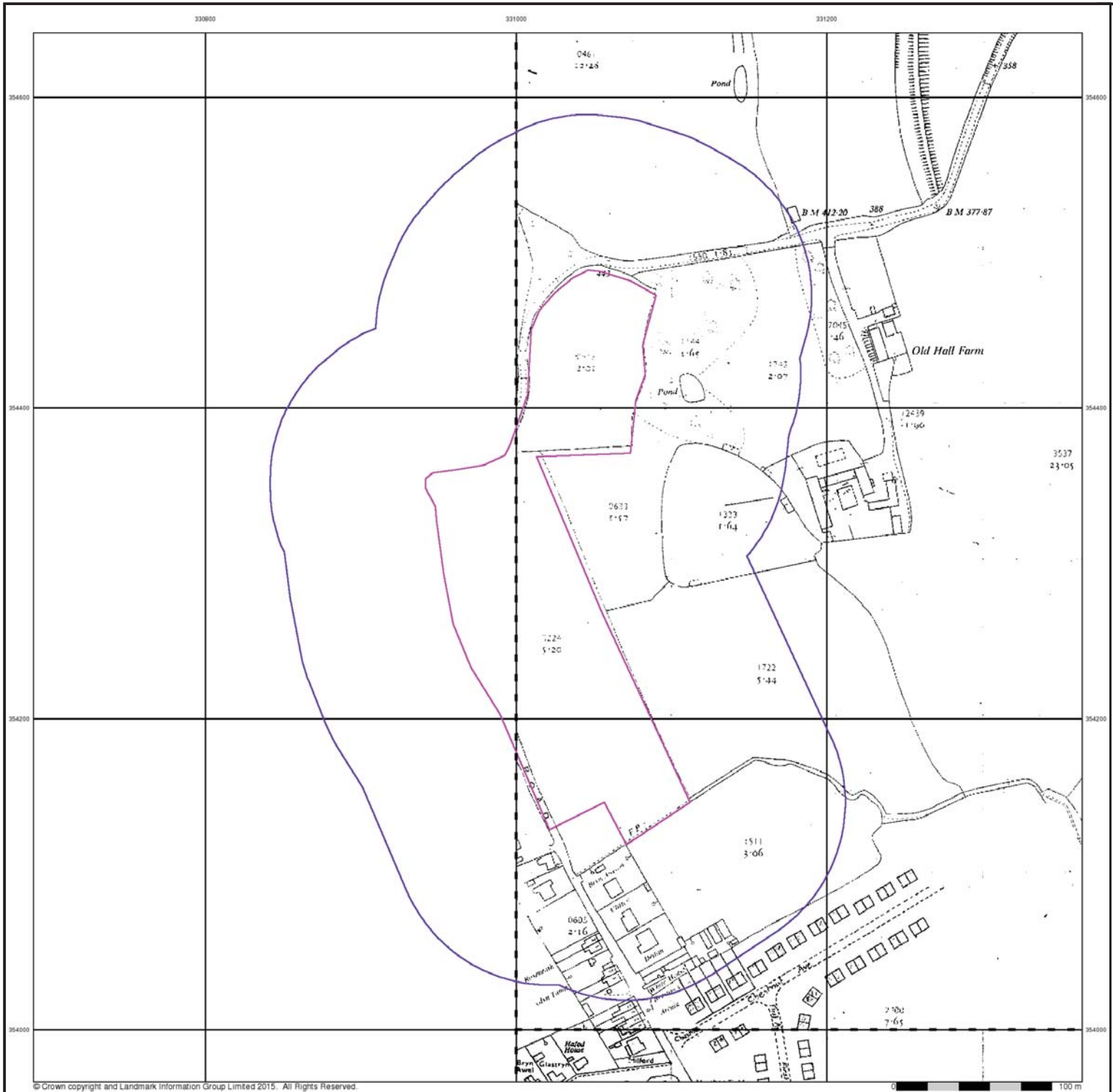
Order Details

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

Landmark® Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

Envirocheck®

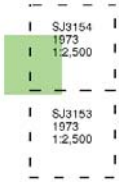
Supply of Unpublished Survey Information

Published 1973

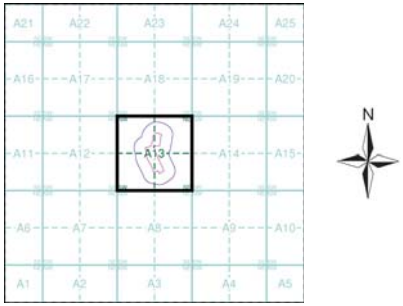
Source map scale - 1:2,500

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



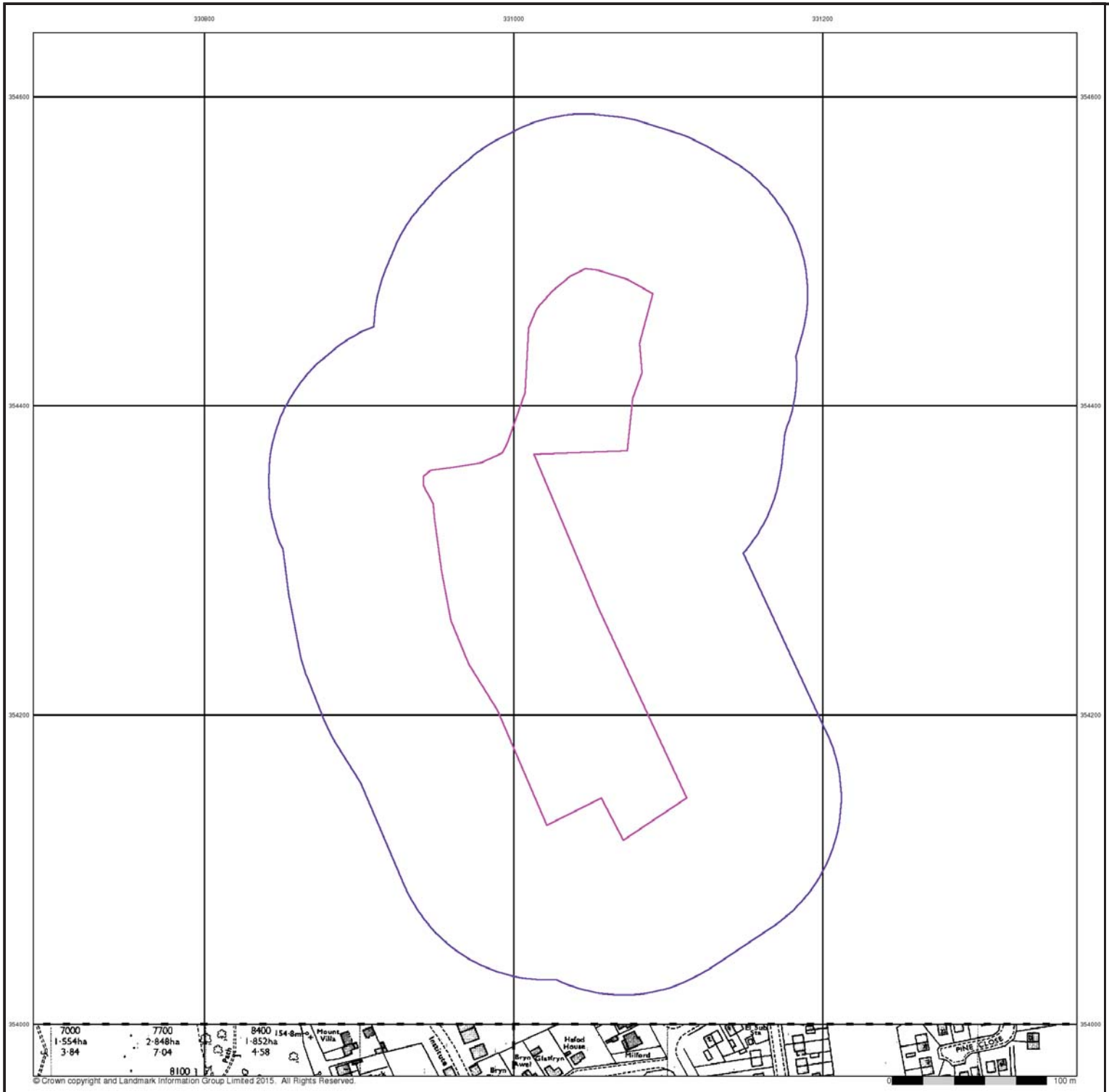
Order Details

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

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



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

Envirocheck®

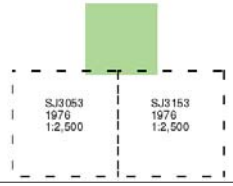
Ordnance Survey Plan

Published 1976

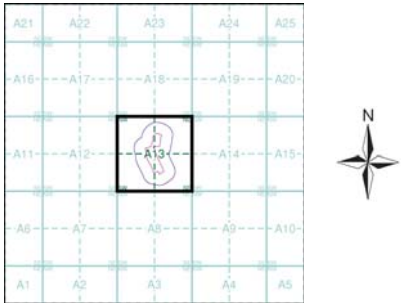
Source map scale - 1:2,500

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



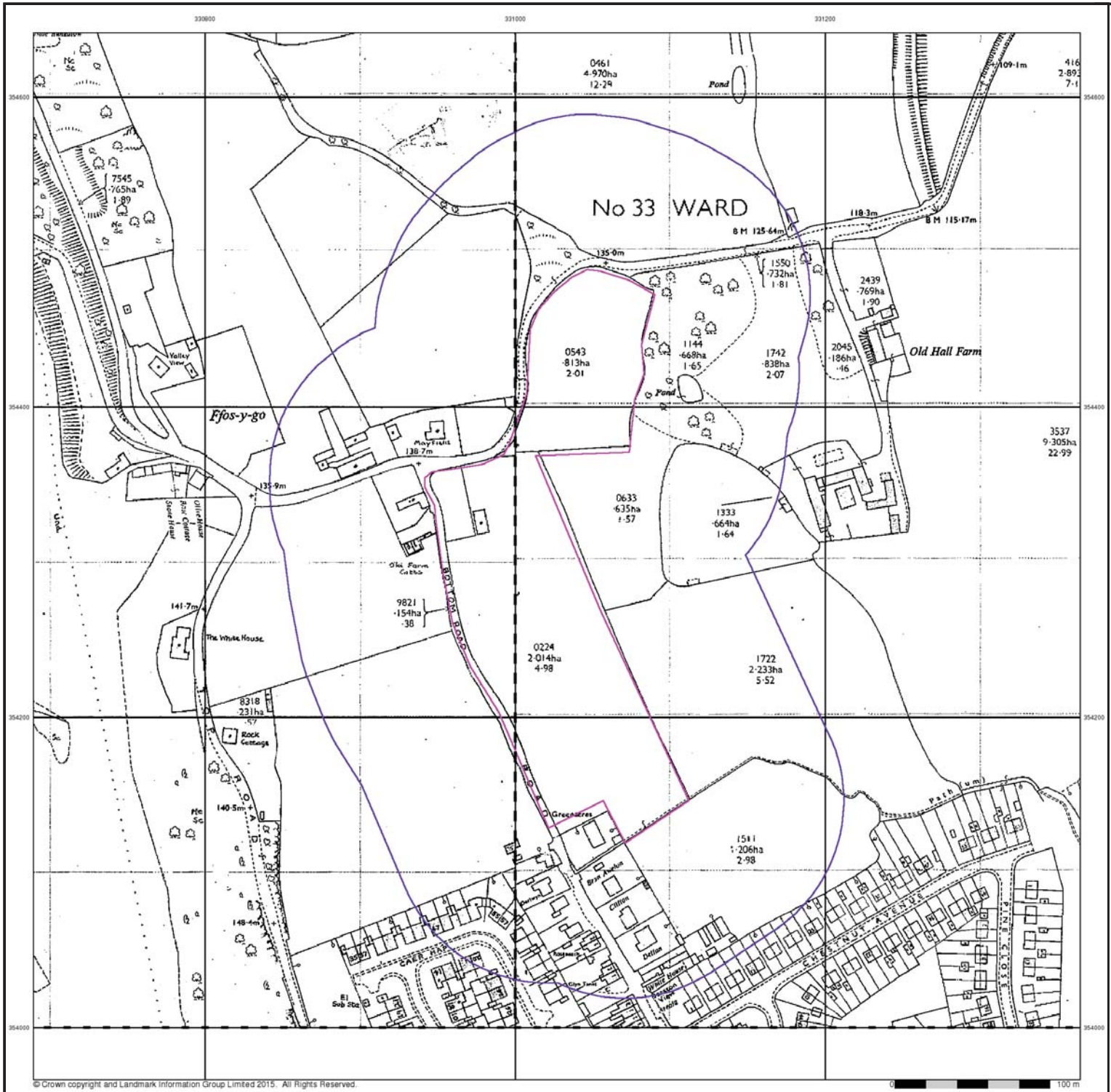
Order Details

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

Landmark® Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

Envirocheck®

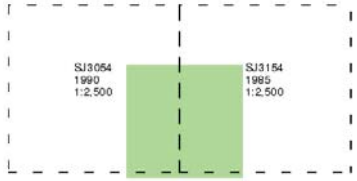
Additional SIMs

Published 1985 - 1990

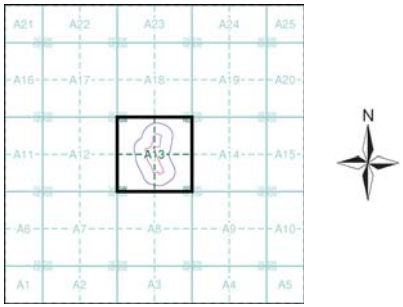
Source map scale - 1:2,500

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



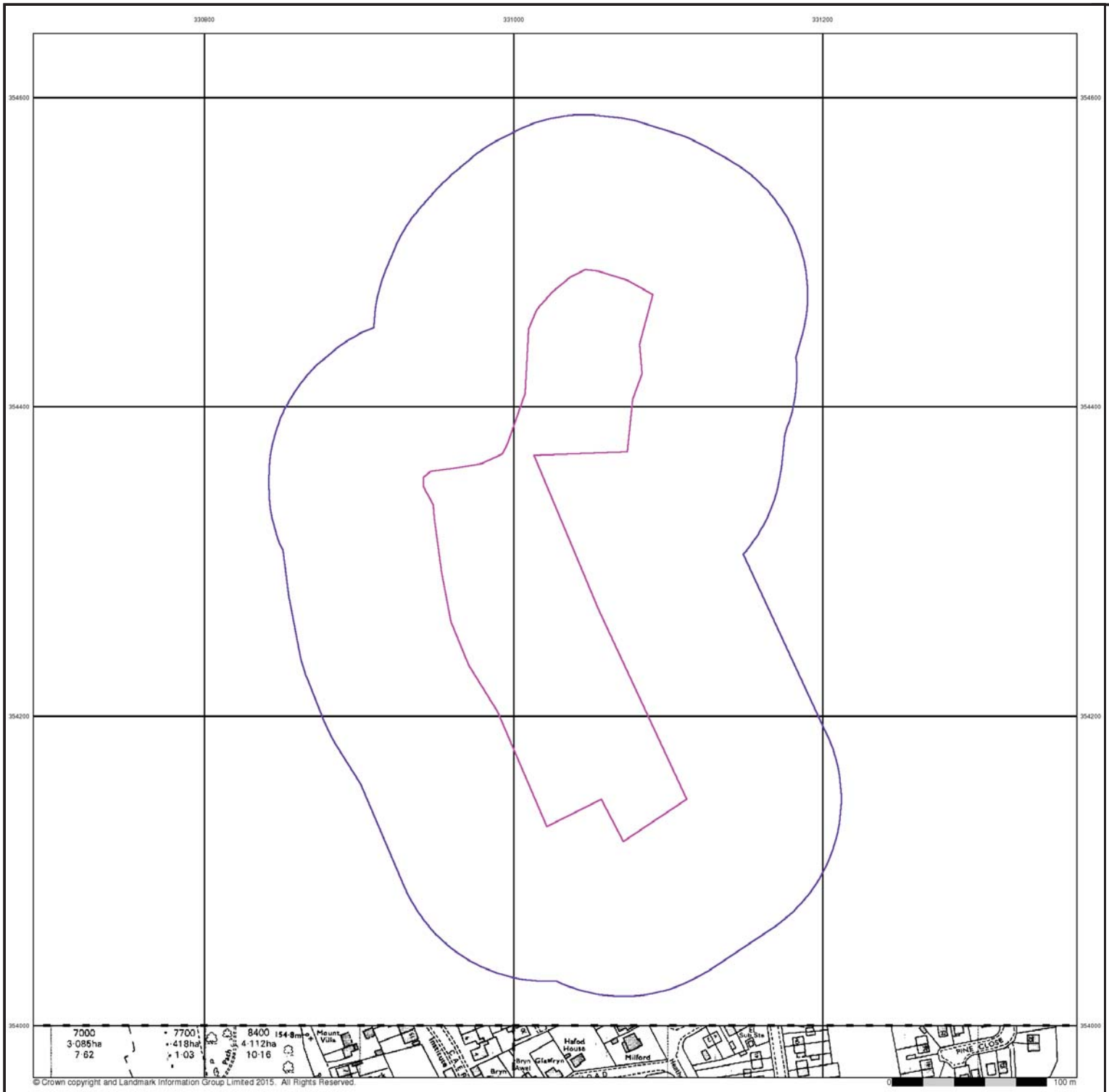
Order Details

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

Landmark® Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

Envirocheck®

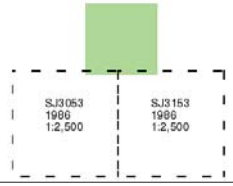
Ordnance Survey Plan

Published 1986

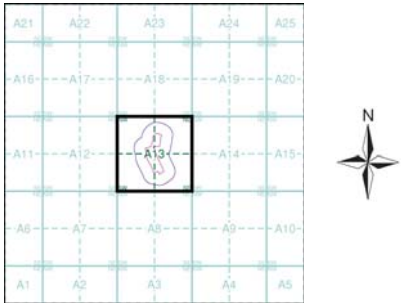
Source map scale - 1:2,500

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

Landmark® Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

Envirocheck®

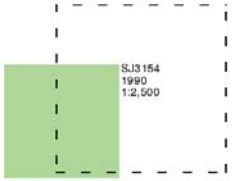
Additional SIMs

Published 1990

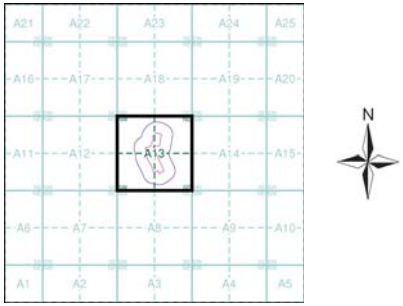
Source map scale - 1:2,500

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



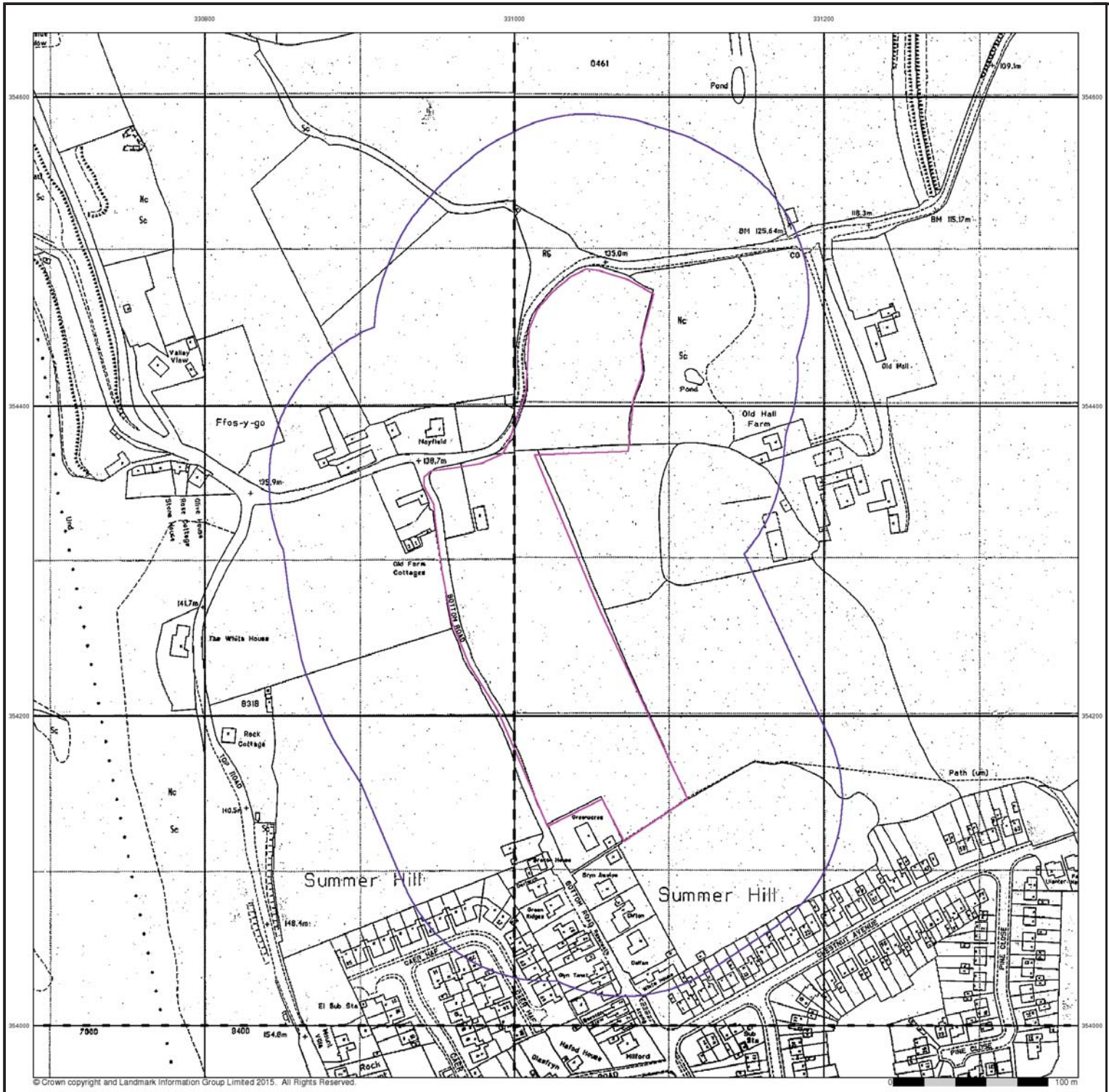
Order Details

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

Landmark® Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

Envirocheck®

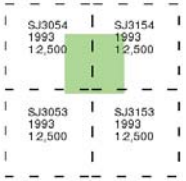
Large-Scale National Grid Data

Published 1993

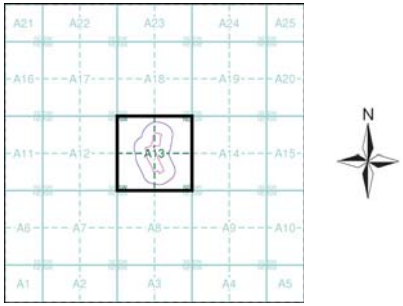
Source map scale - 1:2,500

'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

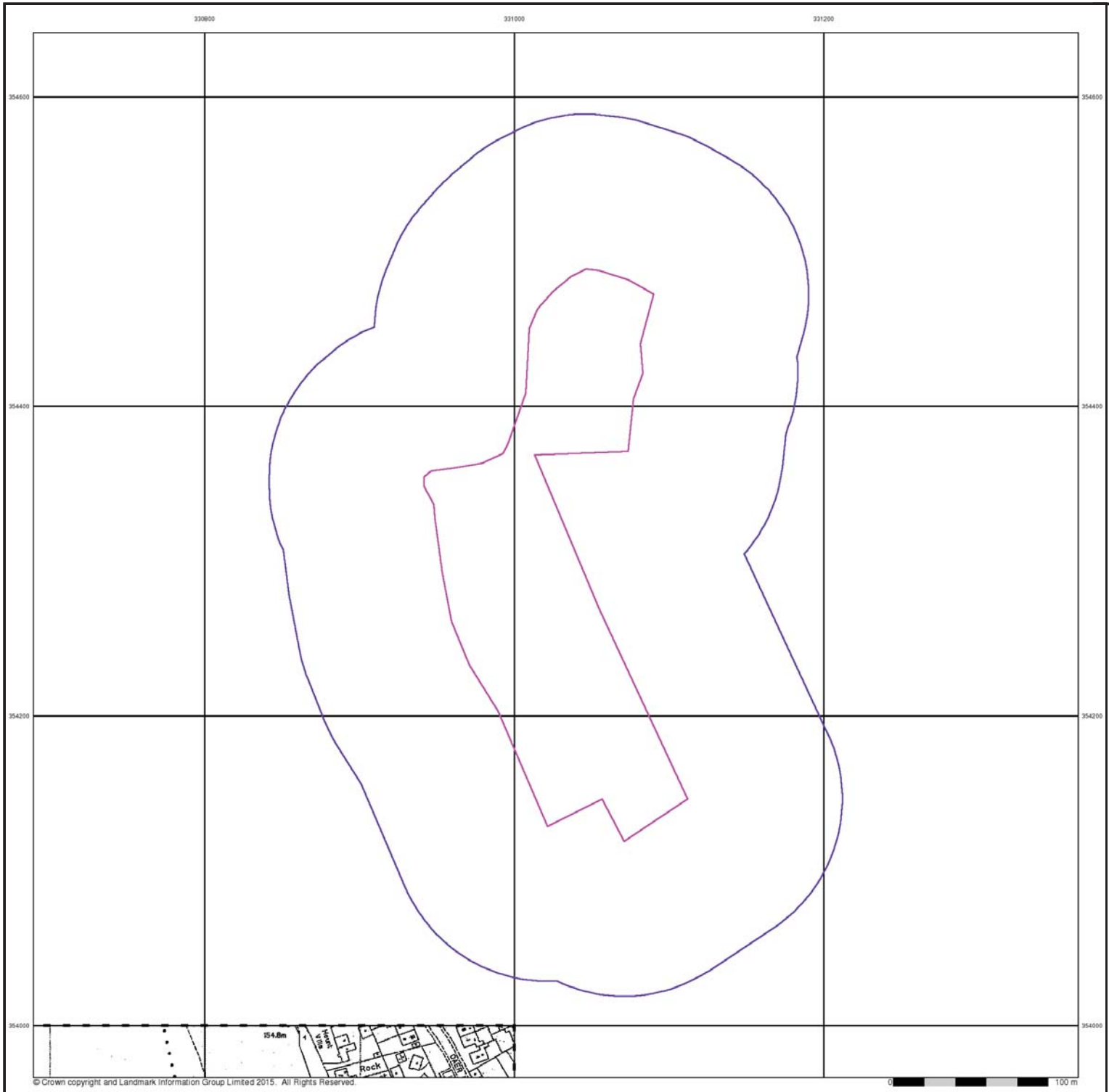


Order Details

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



Envirocheck®

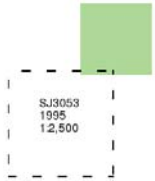
Large-Scale National Grid Data

Published 1995

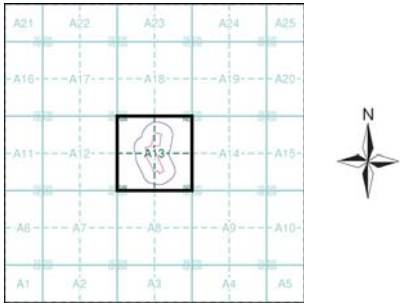
Source map scale - 1:2,500

'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



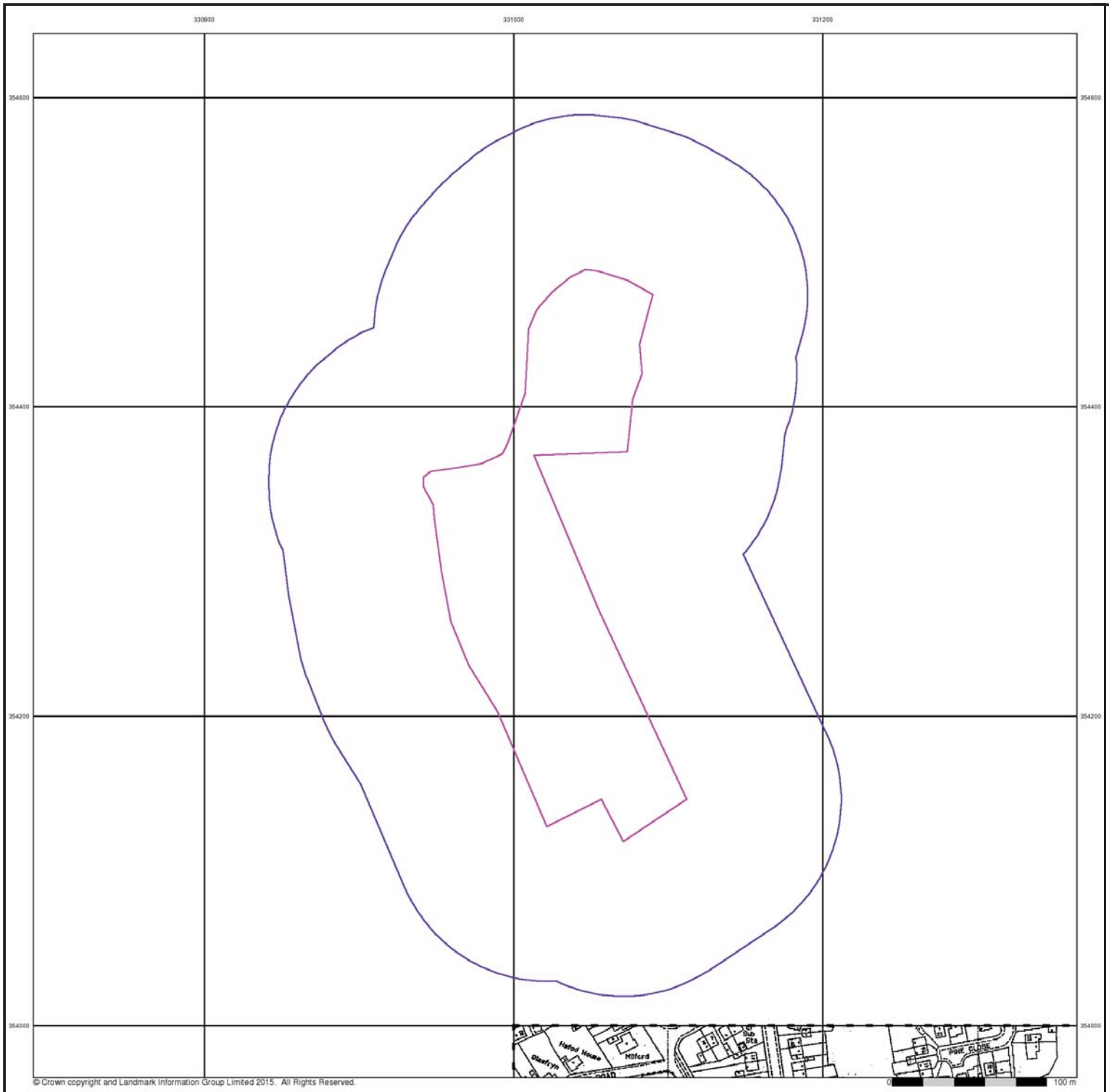
Order Details

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

Landmark® Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

Envirocheck®

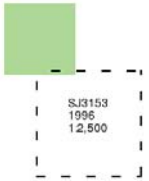
Large-Scale National Grid Data

Published 1996

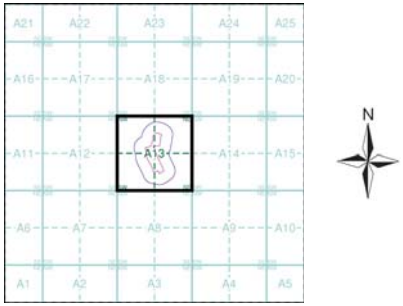
Source map scale - 1:2,500

'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



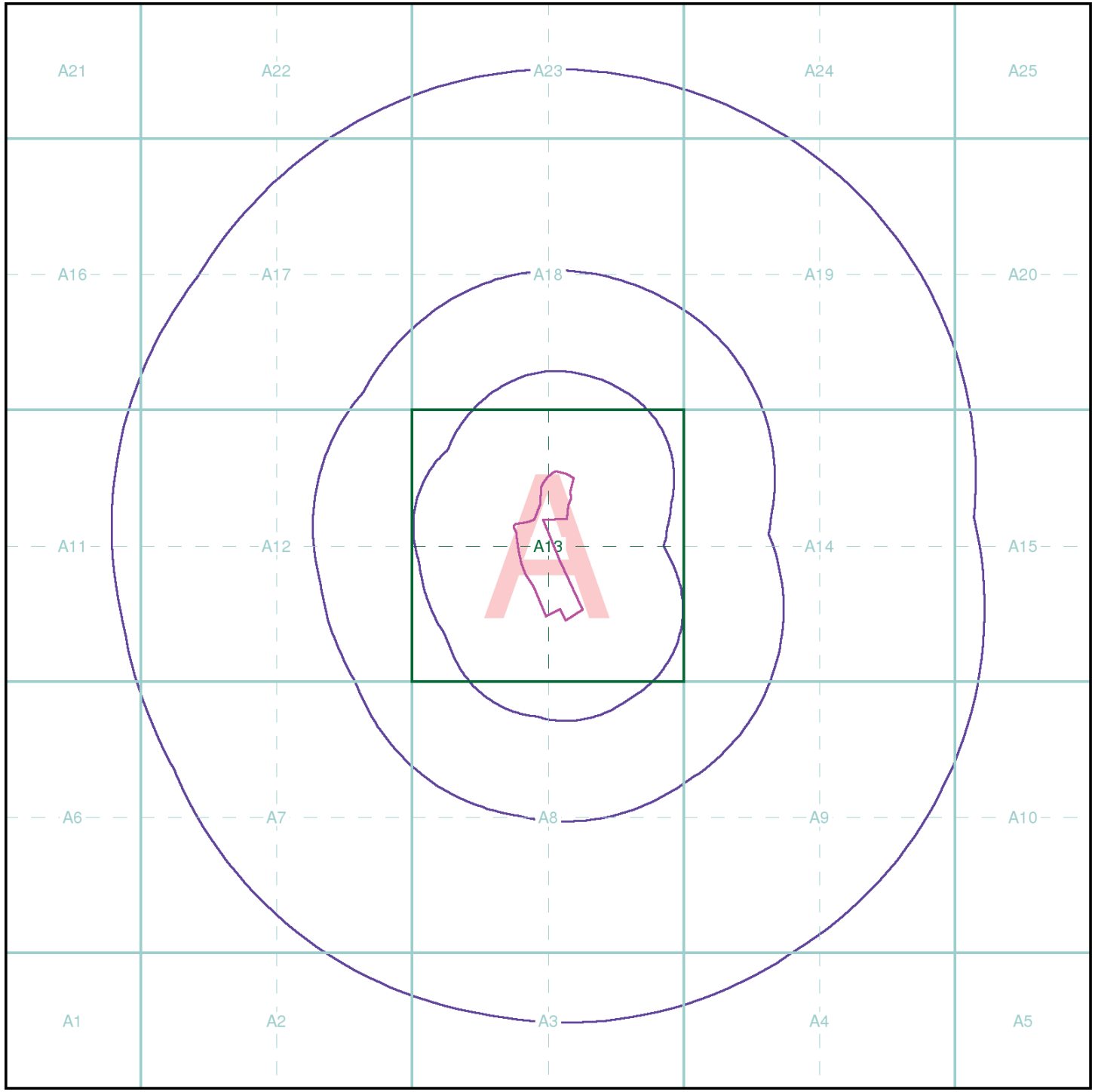
Order Details

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

Landmark® Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Envirocheck®

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

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

Full Terms and Conditions can be found on the following link:
http://www.landmarkinfo.co.uk/Terms/Show/515

Landmark® Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
84701701_1_1

Customer Reference:
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

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

Contents

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	9
Hazardous Substances	-
Geological	14
Industrial Land Use	26
Sensitive Land Use	-
Data Currency	35
Data Suppliers	40
Useful Contacts	41

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.

Copyright Notice

© Landmark Information Group Limited 2016. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, the Environment Agency/Natural Resources Wales and Natural England, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer.
A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark, subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and /or other Data providers, whose Copyright material has been included in this Report.

Natural England Copyright Notice

Site of Special Scientific Interest, National Nature Reserve, Ramsar, Special Protection Area, Special Conservation Area, Marine Nature Reserve data (derived from Ordnance Survey 1:10000 raster) is provided by, and used with the permission of, Natural England who retain the copyright and Intellectual Property Rights for the data.

Ove Arup Copyright Notice

The Data provided in this report was obtained on Licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The information and data supplied in the product are derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

Peter Brett Associates Copyright Notice

The cavity data presented has been extracted from the PBA enhanced version of the original DEFRA national cavity databases. PBA/DEFRA retain the copyright & intellectual property rights in the data. Whilst all reasonable efforts are made to check that the information contained in the cavity databases is accurate we do not warrant that the data is complete or error free. The information is based upon our own researches and those collated from a number of external sources and is continually being augmented and updated by PBA. In no event shall PBA/DEFRA or Landmark be liable for any loss or damage including, without limitation, indirect or consequential loss or damage arising from the use of this data.

Radon Potential dataset Copyright Notice

Information supplied from a joint dataset compiled by The British Geological Survey and Public Health England.

Report Version v50.0

Envirocheck®

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

Envirocheck®

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					

Envirocheck®

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

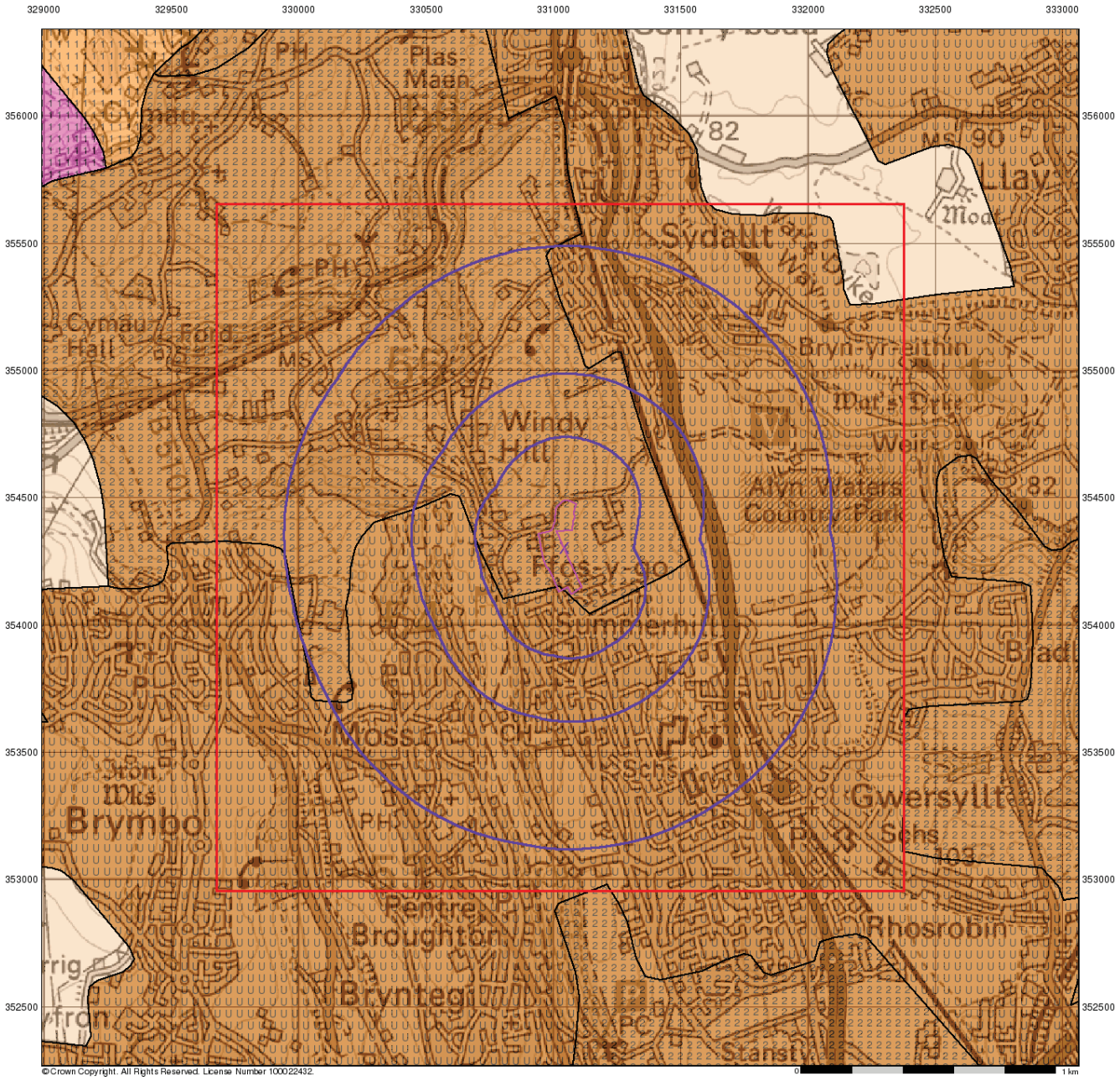
A selection of organisations who provide data within this report

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.



©Crown Copyright. All Rights Reserved. License Number 100022432.

Envirocheck®

Groundwater Vulnerability

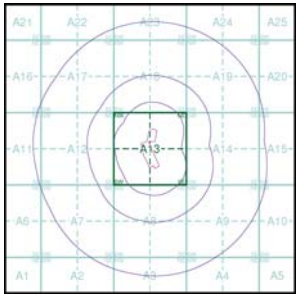
General

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



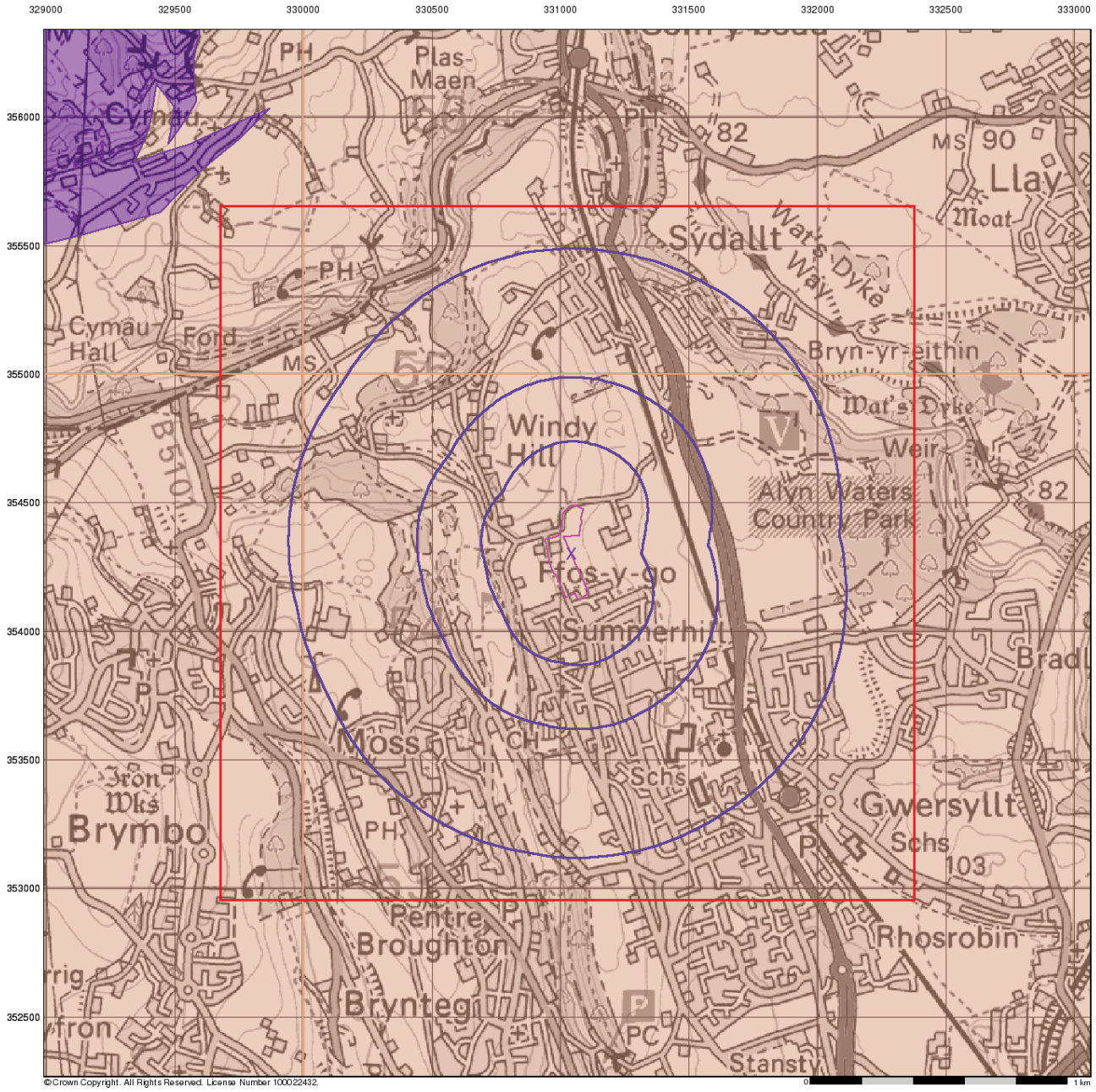
Order Details

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,
WREXHAM, Clwyd, LL11 4TS

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



Envirocheck®

Bedrock Aquifer Designation

General

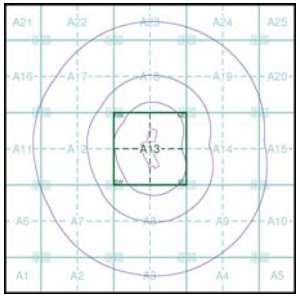
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

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

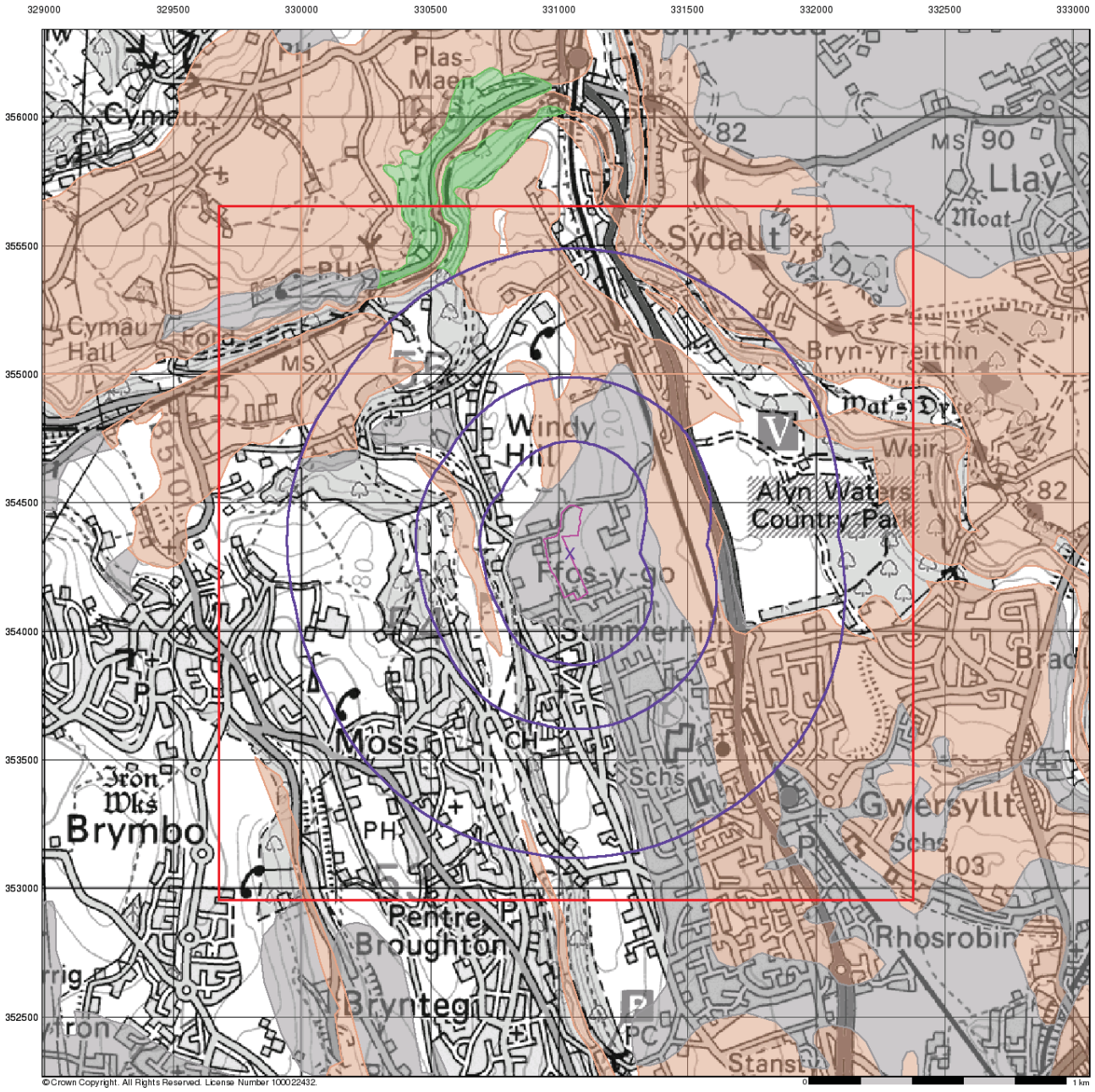


Order Details

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,



Envirocheck®

Superficial Aquifer Designation

General

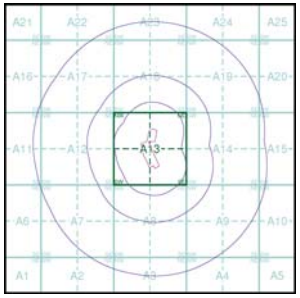
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

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

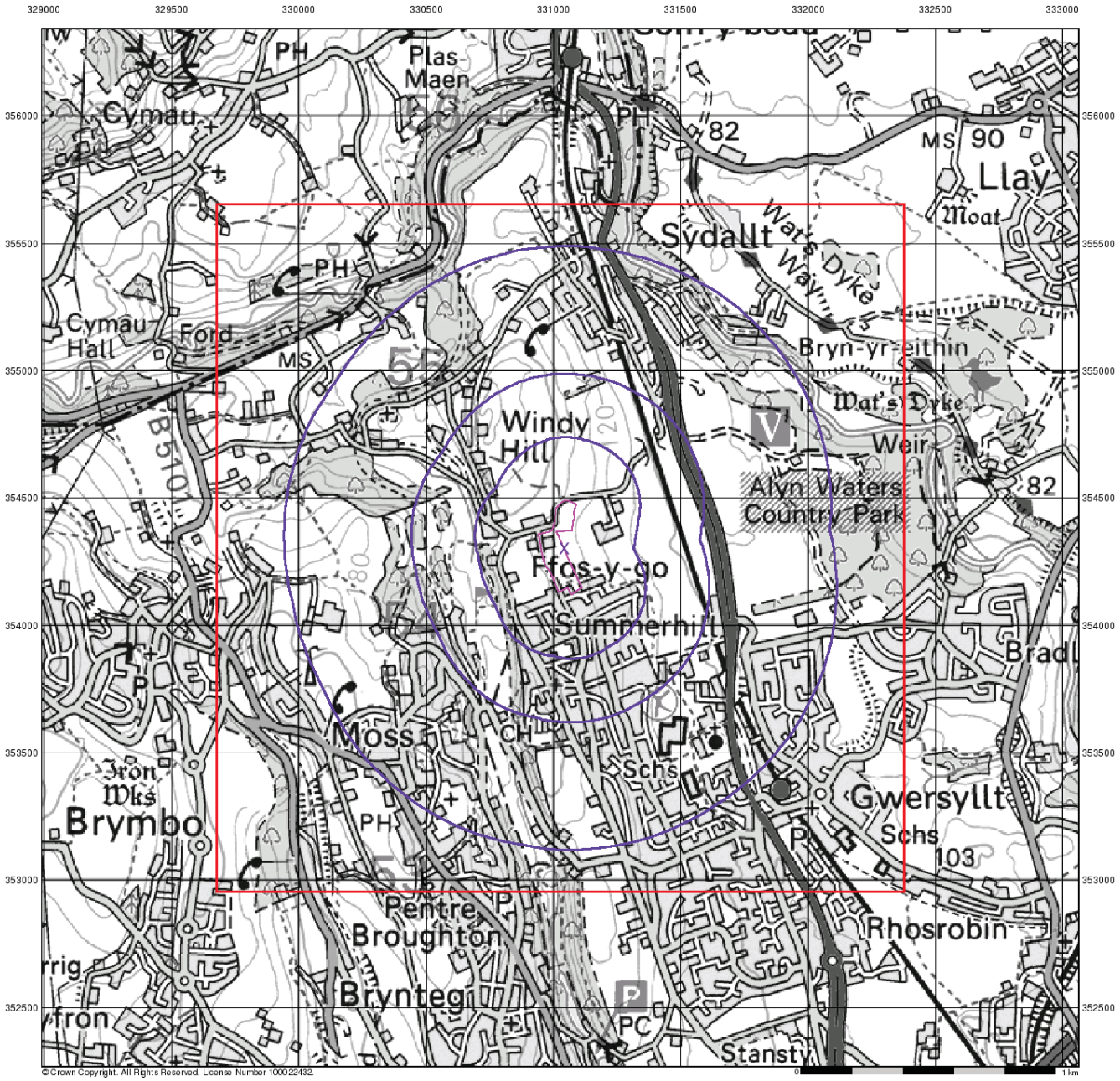


Order Details

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

Site Details

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



©Crown Copyright. All Rights Reserved. License Number 100022432.

Envirocheck®

Source Protection Zones

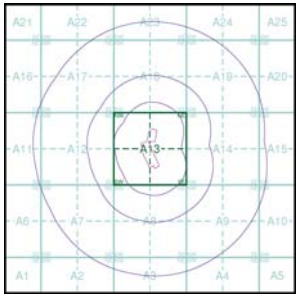
General

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



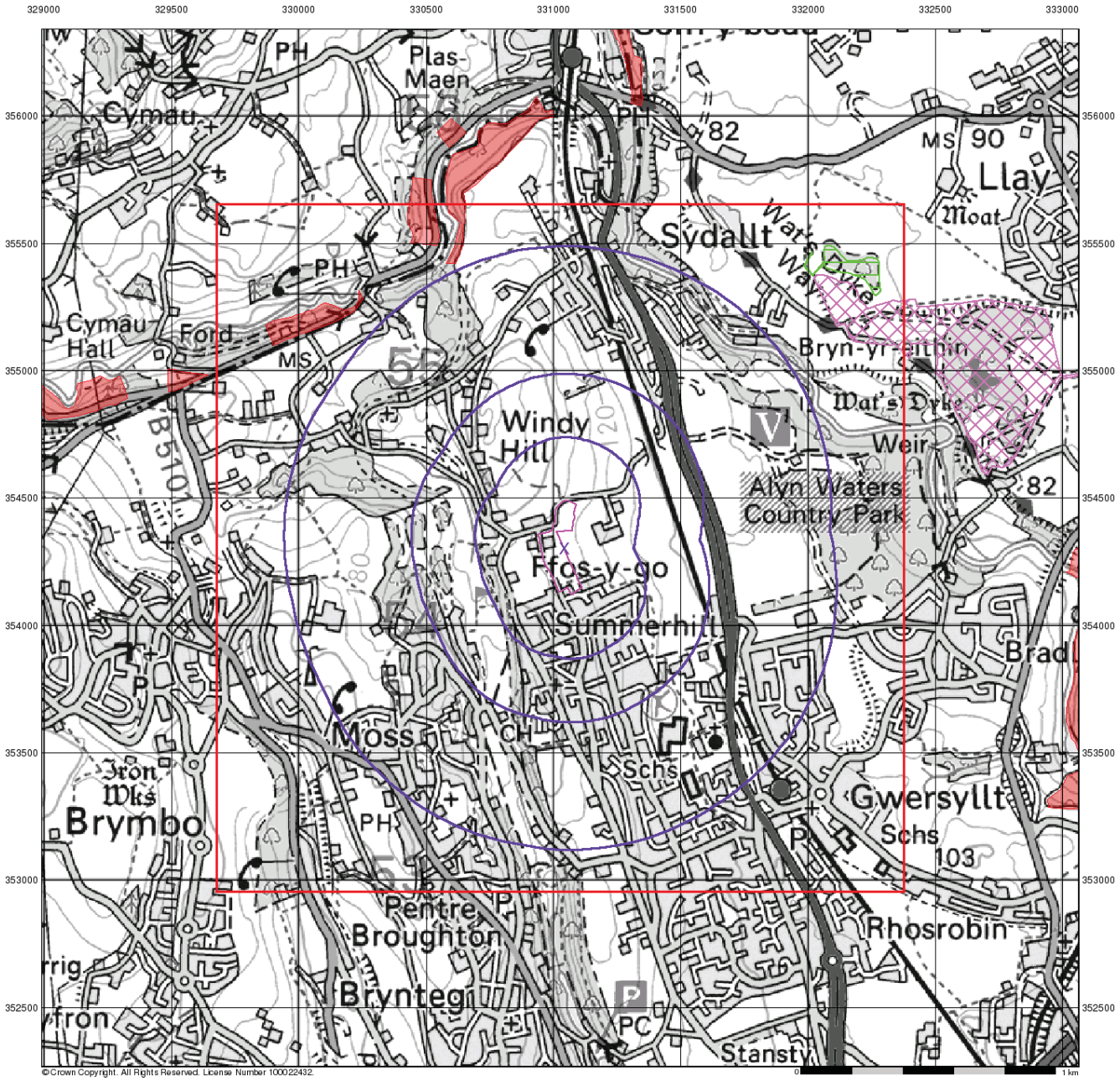
Order Details

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,
WREXHAM, Clwyd, LL11 4TS

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



Envirocheck®

Sensitive Land Uses

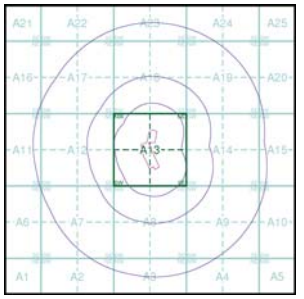
General

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

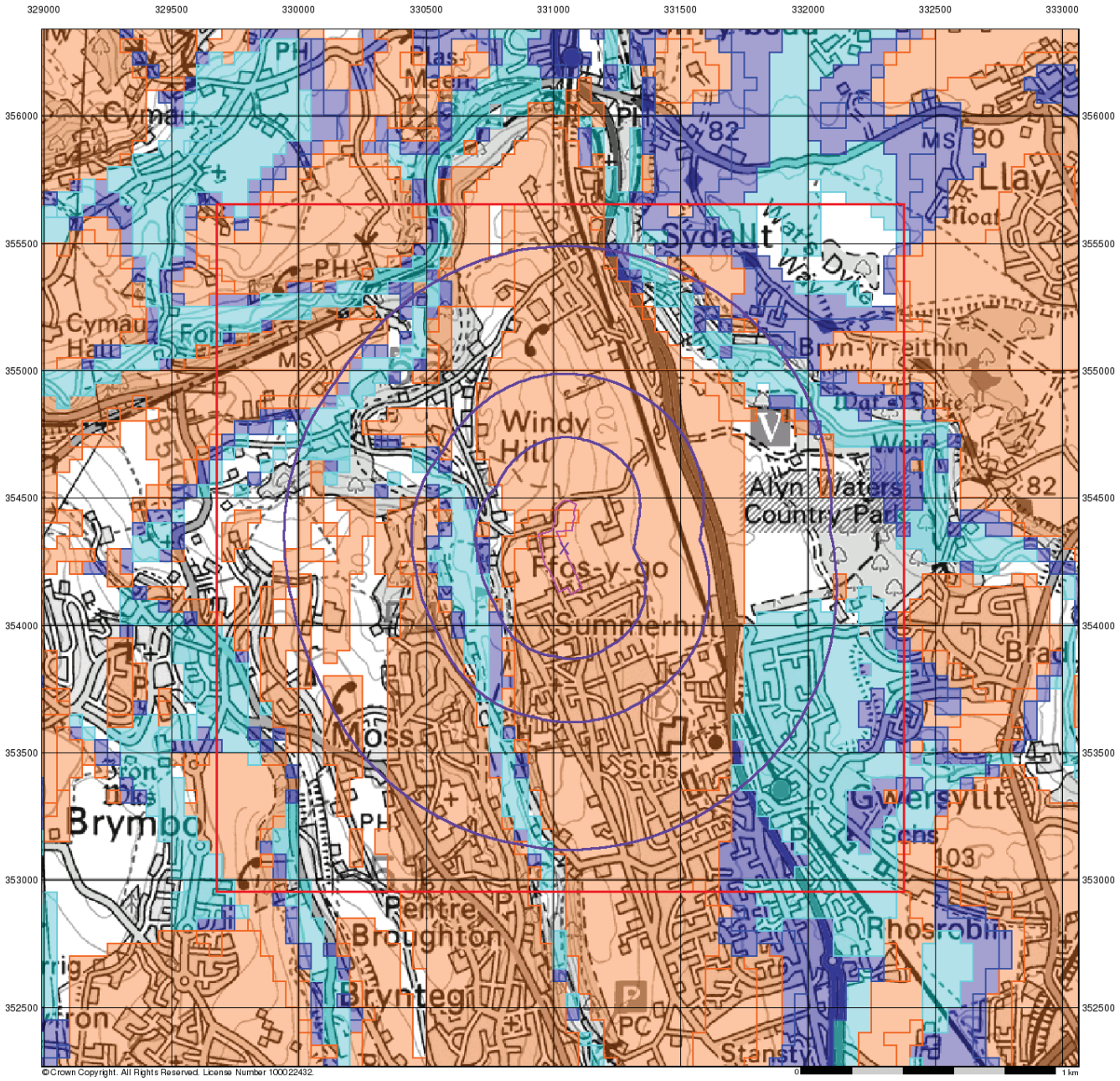


Order Details

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,



Envirocheck®

BGS Flood GFS Data

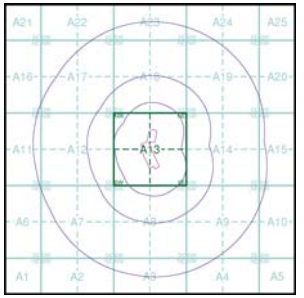
General

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

Agency and Hydrological (Flood)

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number:	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,

Landmark Information Group

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



© Crown Copyright. All Rights Reserved. License Number 100022432.

Envirocheck®

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

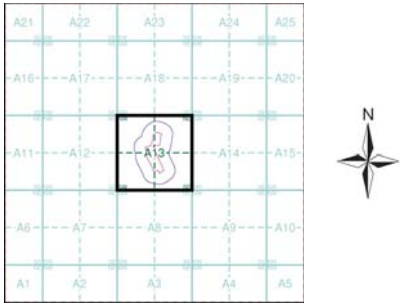
Geological

- 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

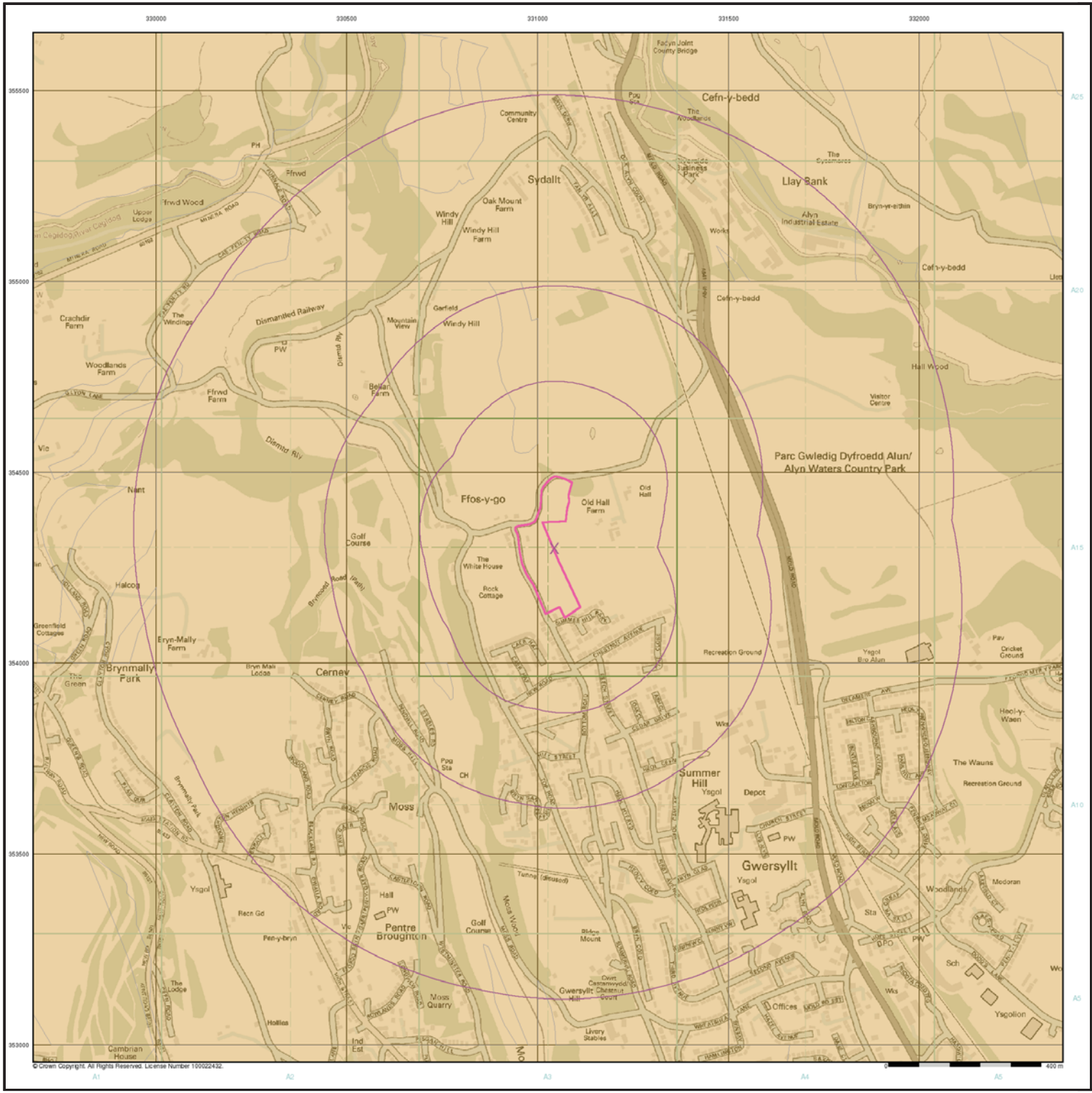
Order Number:	84701701_1_1
Customer Ref:	48048
National Grid Reference:	331040, 354300
Slice:	A
Site Area (Ha):	2.95
Plot Buffer (m):	100

Site Details

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

Landmark® Information Group

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



Envirocheck®

General

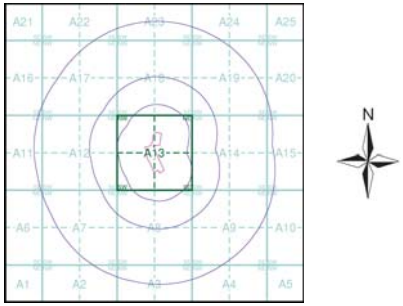
Specified Site | Specified Buffer(s) | Bearing Reference Point

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

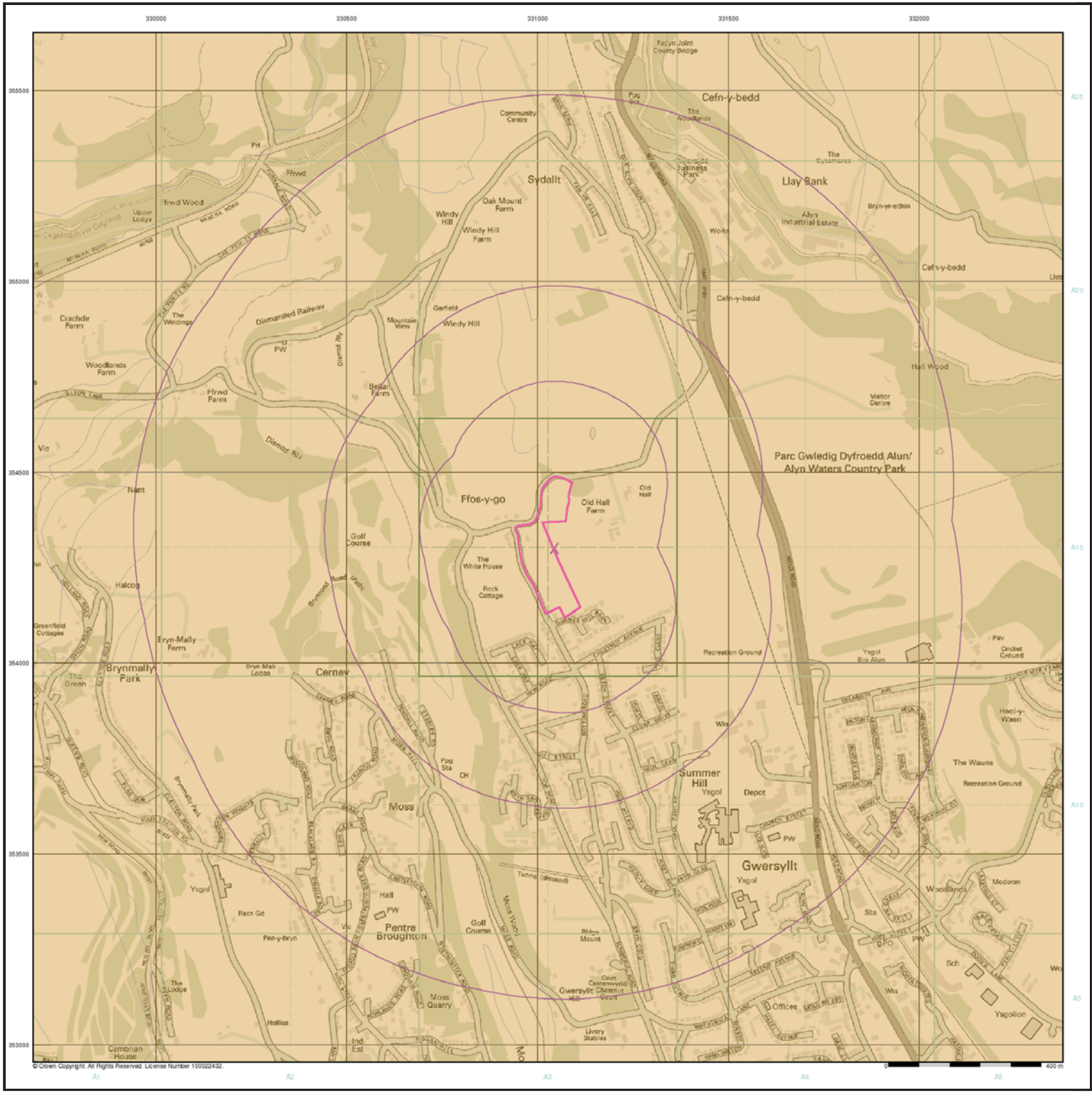
Order Details:	84701701_1_1
Customer Ref:	48048
National Grid Reference:	331040, 354300
Slice:	A
Site Area (Ha):	2.95
Search Buffer (m):	1000

Site Details

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

Landmark Information Group

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



© Crown Copyright. All Rights Reserved. License Number 100022432.

Envirocheck®

General

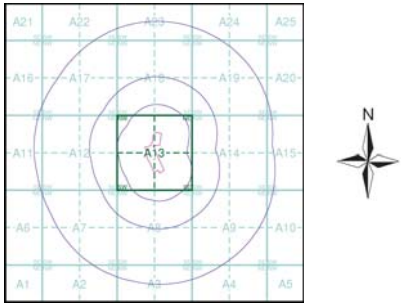
Specified Site | Specified Buffer(s) | Bearing Reference Point

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



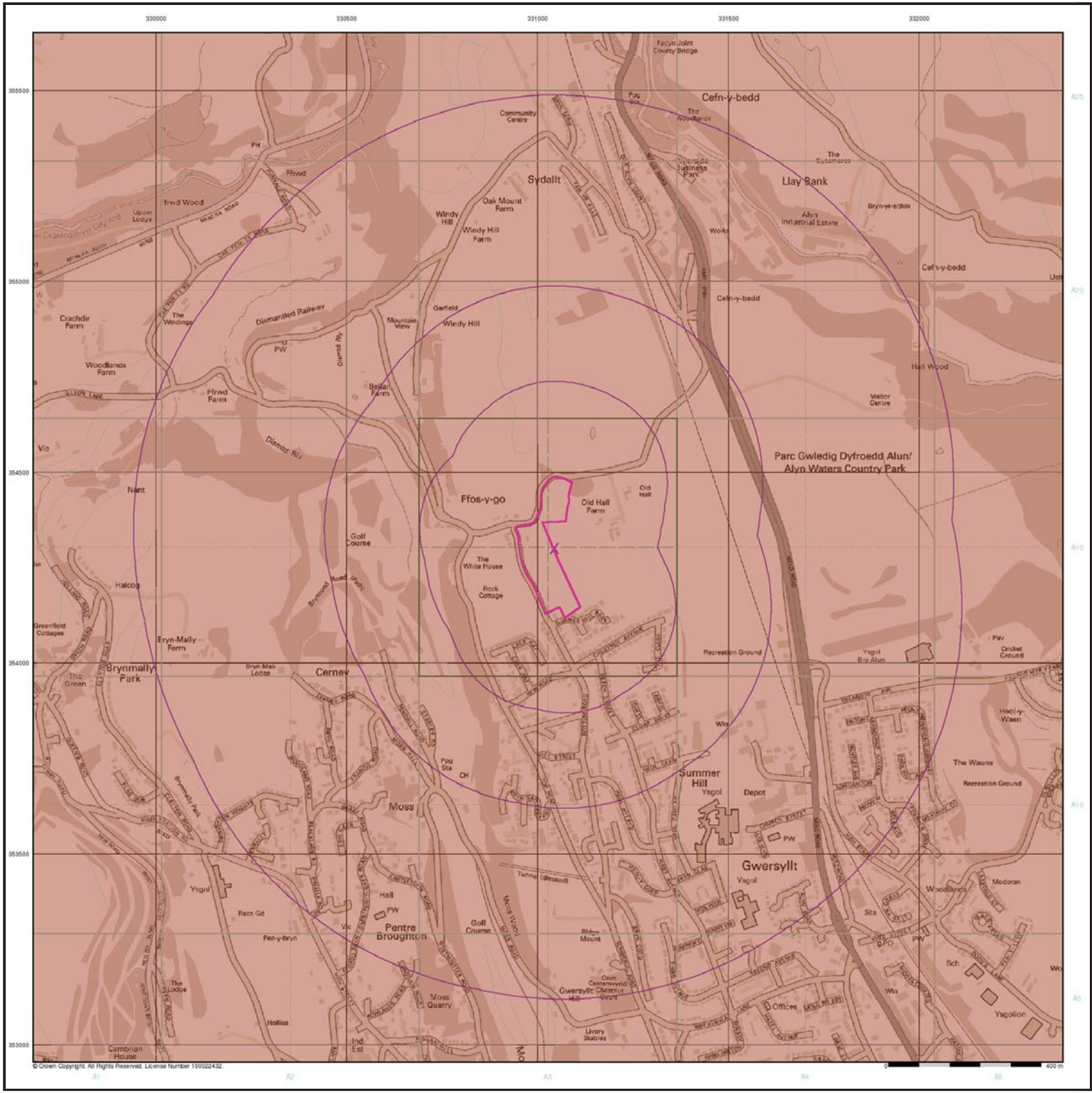
Order Details

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

Site Details

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

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



Envirocheck®

General

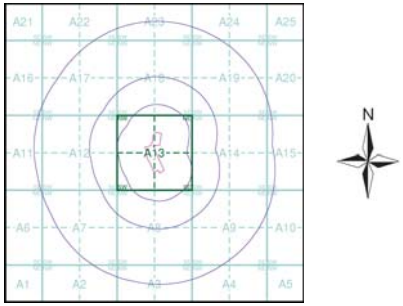
Specified Site | Specified Buffer(s) | X Bearing Reference Point

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

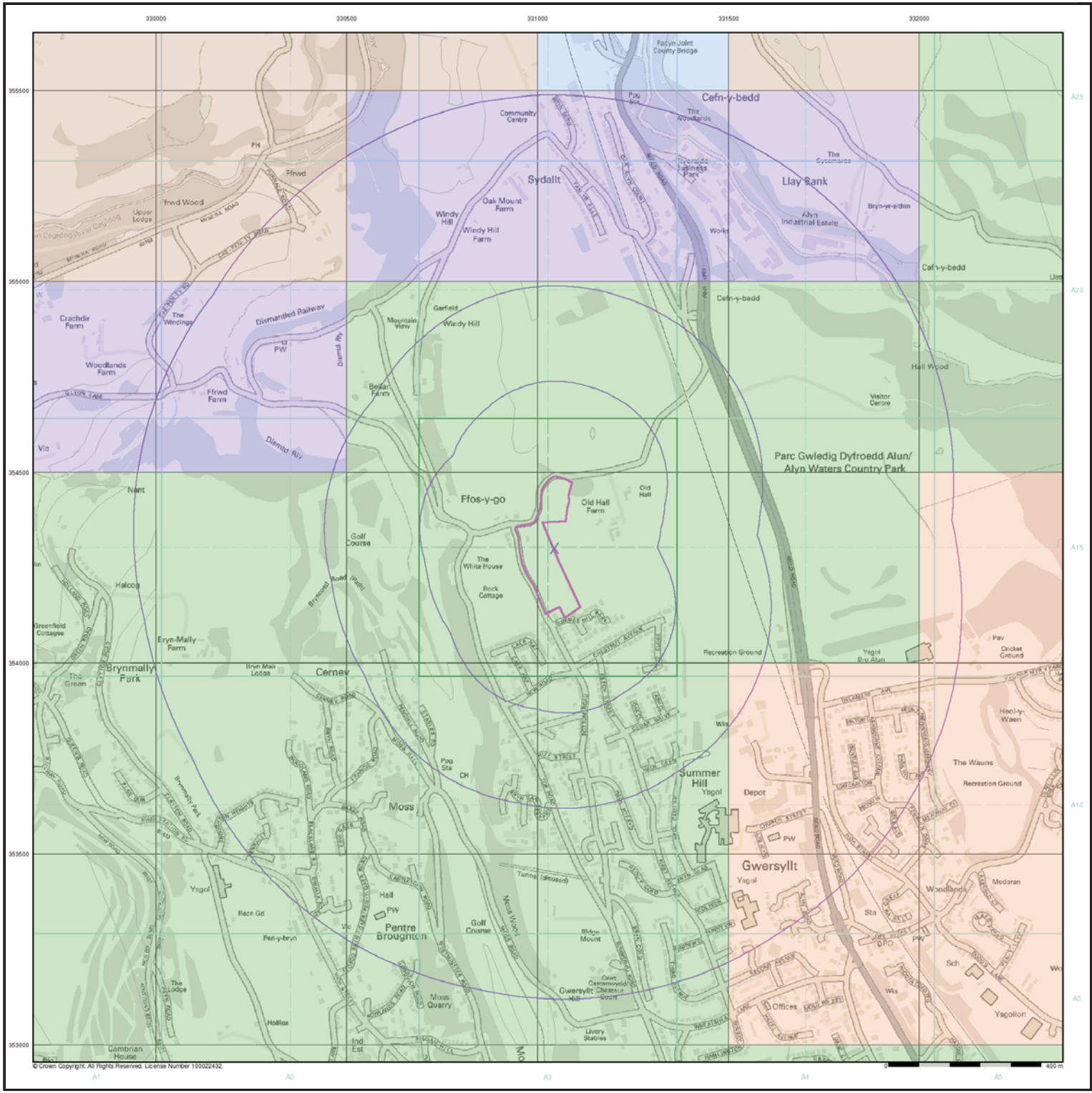


Order Details

Order Details:	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



Envirocheck®

General

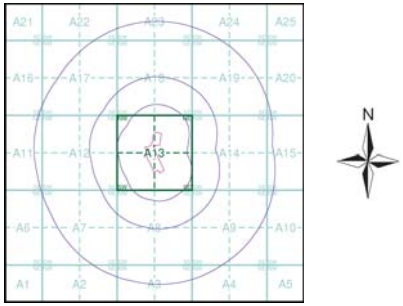
Specified Site | Specified Buffer(s) | Bearing Reference Point

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

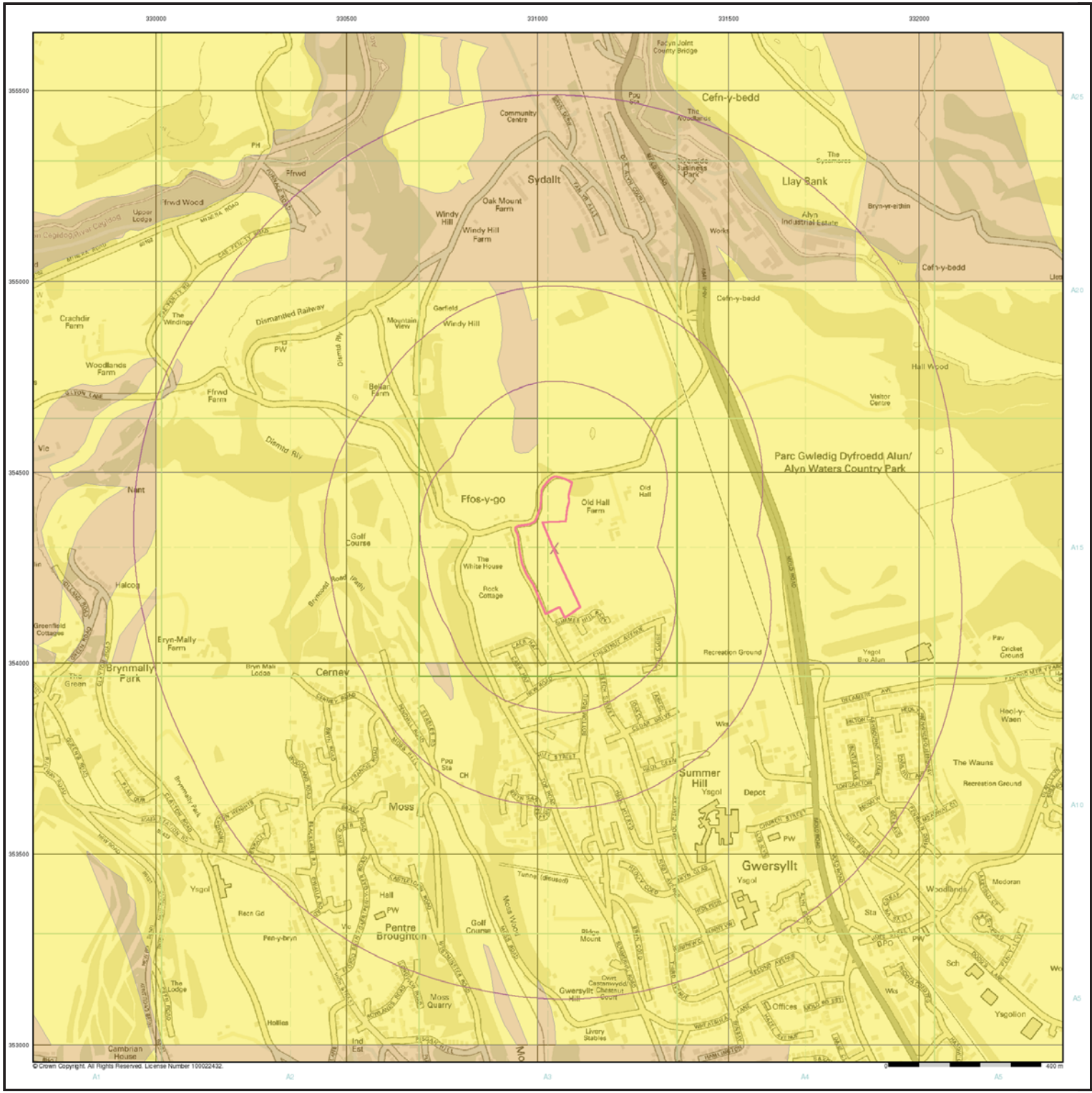
Order Details:	84701701_1_1
Customer Ref:	48048
National Grid Reference:	331040, 354300
Slice:	A
Site Area (Ha):	2.95
Search Buffer (m):	1000

Site Details

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

Landmark® Information Group

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



© Crown Copyright. All Rights Reserved. License Number 100022432.

Envirocheck®

General

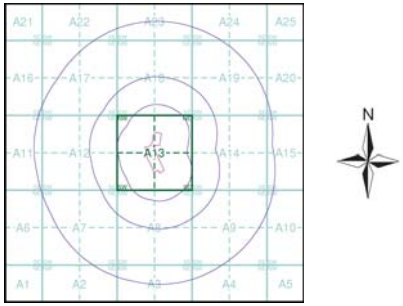
Specified Site | Specified Buffer(s) | Bearing Reference Point

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

Order Details:	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

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