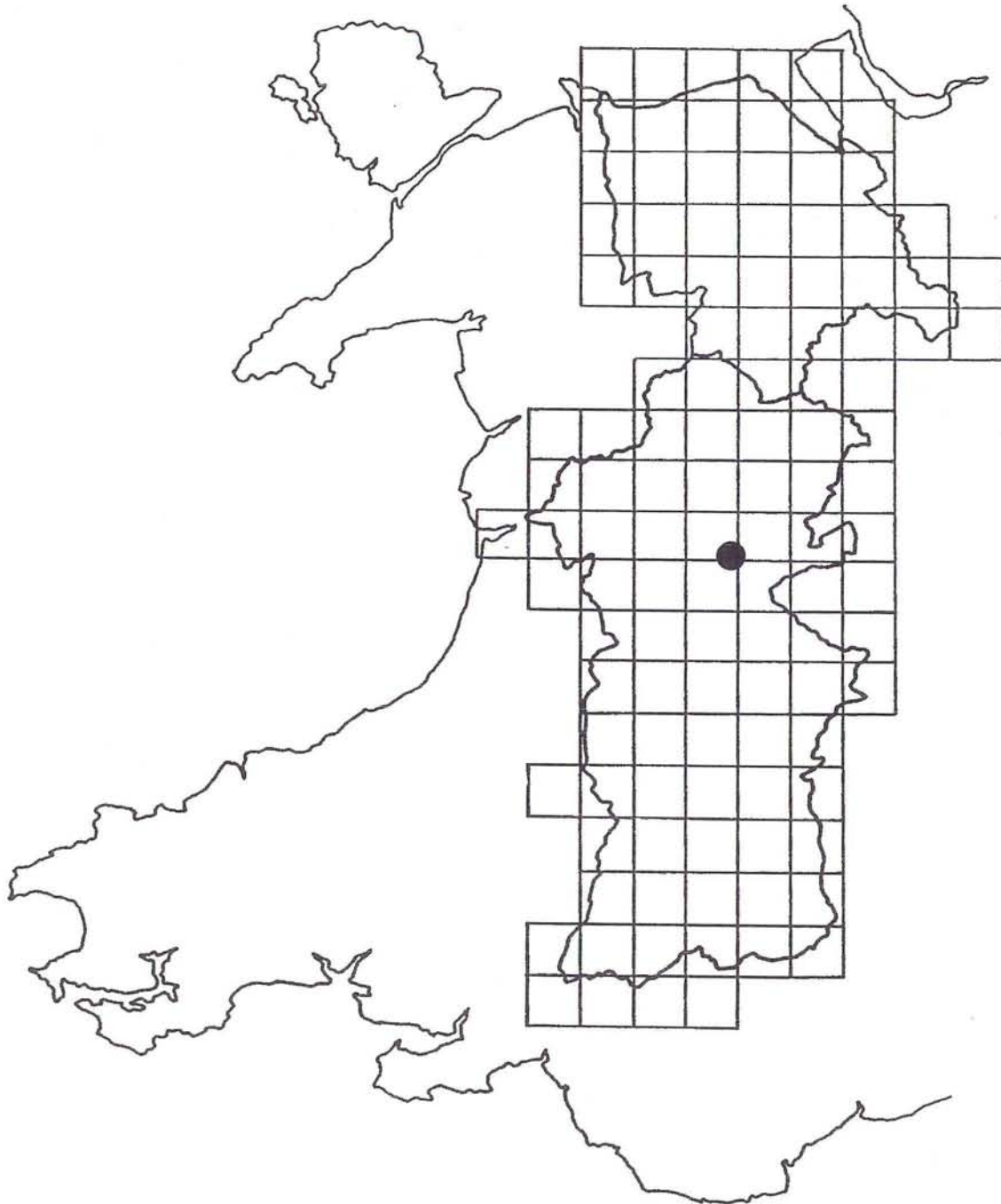


Llandinam-Llanwrin Pipeline Stage 1
ARCHAEOLOGICAL ASSESSMENT



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by **D. Murphy**
September 1996

Report prepared for Binnie, Black & Veatch

The Clwyd-Powys Archaeological Trust

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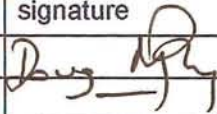
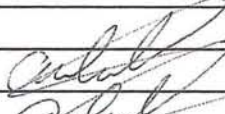
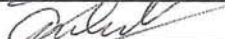
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FIGURES 2-7 MAPS OF ARCHAEOLOGICAL SITES ALONG PROPOSED PIPELINE ROUTE
1;10,000

1 INTRODUCTION

- 1.1 The Contracts Section of the Clwyd-Powys Archaeological Trust (hereafter CPAT Contracts) was invited by Binnie, Black and Veatch, acting as agents for Severn Trent Water Ltd to tender for an archaeological assessment of a proposed pipeline improvement between Llandinam Service Reservoir and Dolfach, which was accepted on 20th June 1996.
- 1.2 The proposed development involves a 19.7km long 300mm mains pipeline which will pass through farmland. An archaeological assessment was considered necessary because of the number of cropmarks revealed by aerial photography and known archaeological remains of prehistoric through to post-medieval age. A brief (AAB 173, dated 3 June 1996) was prepared by the Curatorial Section of the Clwyd-Powys Archaeological Trust (hereafter CPAT Curatorial), acting in their role as archaeological advisors to the local planning authority.
- 1.3 The Brief specified three stages to the investigation:
 - 1.3.1 Stage 1: desk-top and field-walked survey, consisting of a study of all relevant documentary sources, including cartographic and aerial photographic sources, and a field-walked survey of the whole of the proposed route and a wayleave corridor.
 - 1.3.2 Stage 2: evaluation, consisting of a number of trial excavation trenches, the location and extent of which are to be agreed in advance depending on the results from Stage 1.
 - 1.3.3 Stage 3: preservation by record, consisting of partial or total excavation, photographic and drawn surveys in areas of archaeological interest which cannot be preserved by re-routing the pipeline.
 - 1.3.4 Stage 4: watching brief. To be conducted on all sites crossing open land during topsoil removal and pipe-trench excavation.
- 1.4 The present report deals with the results from Stage 1 only and is intended to provide a basis for determining the nature and extent of archaeological remains for the subsequent Stages.

2 DESK-TOP SURVEY

2.1 Introduction

- 2.1.1 The aim of the Desk-top Survey, as defined in the Brief, was to provide a basis for:
 - (a) compiling an outline history and land use of the development area
 - (b) to locate any previously unrecorded archaeological features
 - (c) to elucidate all archaeological and historic landscape features and buildings.
- 2.1.2 The study involved the examination of the Sites and Monuments Record (SMR), held by CPAT Curatorial, Welshpool; primary and secondary sources held by the National Library of Wales, Aberystwyth; and aerial photographs held by the Royal Commission on Ancient and Historic Monuments in Wales, Aberystwyth, CPAT Curatorial, Welshpool, and Powys County Council Planning Department, Welshpool.

2.2 Documentary Sources

- 2.2.1 Documents in the Royal Commission on Ancient and Historic Monuments of Wales (hereafter RCAHMW) refer to 8 sites along the route of the proposed pipeline.

2.3 Cartographic Sources

- 2.3.1 The earliest map available is a plan of an encampment in the parish of Llandinam dated 1776. This appears to depict Cefn Camedd hillfort.
- 2.3.2 Tithe maps are available for the area of proposed pipeline: Llandinam (1847- apportionment 1847), Llanwnnog (1845 - apportionment 1846), Carno (1848 - apportionment 1849) and Llanbrynmair (1839 - apportionment 1840).

- 2.3.3 The 1st and 2nd edition Ordnance Survey 1:10,560 (Surveyed 1885; revised 1900) Maps, Montgomeryshire 27.7, 27.11, 27.12, 27.16, 34.4, 35.1, 35.5, 35.6, 35.10, 35.11, 35.15, 42.3 and 42.7 cover the area.

3 FIELD SURVEY

- 3.1 A rapid fieldwalked survey was carried out between 12th and 19th August over the whole of the corridor including a 20m wayleave where appropriate.
- 3.2 Thirty five sites identified in the Curatorial Brief were found to be directly affected by the pipeline or in the immediate area. A further 150 sites were discovered during the course of the survey which were not recorded in the County SMR.
- 3.3 The archaeological sites revealed by the desk-top and field surveys are presented in Sections 4 and 5 and are marked on Figs 2-6, at a scale of 1:10,000. Included in the location and descriptive data for each site is a designation of the site's perceived importance. The importance assigned follows the guidelines set out in section 4.7.3 of Cadw's draft *Archaeology and the Trunk Road Programme in Wales: a Manual of Best Practice*. The criteria applied to the designation are described below:-
- A Sites designated as being of national importance which meet the criteria for scheduling or listing. It is presumed that sites in this category will be preserved and protected *in situ*.
 - B Sites of regional or county importance which do not meet the criteria for scheduling or listing, but which are nevertheless of particular importance within the region. Preservation *in situ* is the preferred option for these sites, but if loss or damage is unavoidable, appropriate detailed recording will be undertaken.
 - C Sites of distinct or local importance which are not of sufficient importance to justify preservation if threatened, but which merit adequate recording in advance of loss or damage.
 - D Minor and damaged sites which do not merit inclusion in a higher category, for which rapid recording should be sufficient.
 - E Sites whose importance could not be fully determined from the desk-top assessment and field search. These sites would need to be subjected to evaluation in the following stage of work if it is envisaged that they will be disturbed by the proposed scheme of road improvements, in order that they can be assigned to Categories A-D.
 - F Recorded sites for which no traces remain extant.

4 SITES IDENTIFIED DURING THE DESK-TOP SURVEY

- 4.1 Known sites which appear on the County SMR are given their Primary Record Numbers (PRN). Sites identified which have not been recorded on the SMR are given numbers prefixed by Site. Sites which are Scheduled Ancient Monuments are identified by their scheduling numbers (SAM).
- 4.2 Sites are listed in sequential order along the route of the pipeline beginning at Llandinam Service Reservoir (SO 01378975) at the southern end and continuing towards Dolfach (SH 91510150) to the north.
- 4.3 **Cefn Carnedd (SO 01609000) (PRN 966) (SAM Mg016)**
- 4.3.1 A three phased multivallate Iron Age hillfort covering approximately 25 acres. The map (Fig 1) dated 1776 apparently shows this hillfort. Although the hillfort will not be directly affected by the proposed pipeline, any archaeological remains in the vicinity may be linked to this site.
Category A
- 4.4 **Cefn Carnedd Find (SO 01448971) (PRN 5302)**
- 4.4.1 A flint flake with retouched edges. Possibly a blade tool of Neolithic date. It was discovered in the spoil heap during construction of the reservoir in the 1970's.
Category F

4.5 Gwerneirin Enclosure (SO 017894) (PRN 2513)

- 4.5.1 Three interrupted ramparts following the contours of the hill of probable Iron Age date. Not located by recent CPAT visit.
Category B

4.6 Lower Gwerneirin House Site (SO 021897) (PRN 8756)

- 4.6.1 A timbered building was demolished c.1970 of probable medieval date. Depicted on 1st and 2nd edition OS maps.
Category F

4.7 Lower Gwerneirin Saw Pit (SO 02158971) (Site 1)

- 4.7.1 This saw pit is depicted on 1st and 2nd edition OS maps. It is still visible today.
Category D

4.8 Carnedd Finds (SO 022912) (PRN 1572)

- 4.8.1 An urn filled with red earth and bones was found in the river bank in 1820. Probably a Roman cremation from a larger cemetery.
Category B

4.9 Carnedd House (SO 02309122) (PRN 20514)

- 4.9.1 This house dates from the 17th Century and was originally half-timbered although it has been heavily modernised. Depicted on 1st and 2nd edition OS maps. It will not be affected by the pipeline but its proximity may reveal associated archaeological remains.
Category D

4.10 Caersws Roman Road (Centred on SO 01609182) (Site 2)

- 4.10.1 The road runs west to east and the present road in the study area follows the course of the Roman road for 900 metres. It is depicted on both 1st and 2nd edition OS maps. The pipeline crosses this road and will require further investigation.
Category B

4.11 Park Cottage Enclosure Multiple Site (SO 01859198) (PRN 2509)

- 4.11.1 This is possibly a multiperiod site and consists of a sub-rectangular enclosure containing a ring ditch on the river flood plain. Can only be seen from aerial photographs (hereafter AP's). The hedgeline to the southwest has been removed in recent times.
Category B

4.12 Park Cottage Enclosure (SO 0185091980) (PRN 50189)

- 4.12.1 A sub-square enclosure measuring c.70 x 70m with a 10m wide ditch, of possible Iron Age date. The internal ring ditch may represent a hut site or an earlier feature (see PRN 50190, below). Only seen on AP's.
Category B

4.13 Park Cottage Ring Ditch III (SO 01859196) (PRN 50190)

- 4.13.1 This ring ditch of probable Bronze Age date measures c.20m in diameter and lies within the sub-square enclosure (PRN 50189) above. Only seen on AP's.
Category B

4.18 Park Cottage Ring Ditch I (SO 01829219) (PRN 2507)

- 4.18.1 A ring ditch c.30m in diameter with a possible gap to the W, of probable Bronze Age date. Only visible from AP's. Not directly affected by pipeline.
Category B

4.19 Park Cottage Ring Ditch II (SO 01859224) (PRN 2508)

- 4.19.1 A semi-circular ring ditch c.15m in diameter with a gap to the W. Only revealed by AP's. Not directly affected by pipeline.
Category B

4.20 Park Cottage Cropmark I (SO 01869221) (Site 3)

- 4.20.1 A pair of parallel ditches running W to E for c.60m and c.10m apart. Possible road of unknown date. Only revealed by AP's 89-MB-625-7. Not directly affected by pipeline.
Category B

- 4.21 **Park Cottage Cropmark II** (SO 01909215) (Site 4)
4.21.1 In the field to the SE of the Ring ditches and cropmarks (PRN 2507, 2508 and Site 3) mentioned above, are a series of cropmarks revealed by AP's 89-MB-625-7. They are not affected by the proposed pipeline.
Category E
- 4.22 **Tyddyn Canol Cropmark I** (SO 01509210) (Site 5)
4.22.1 A series of large pits, of possible Bronze Age date, arranged in a oval-shape with another line of pits leading off to the E and then N and S. Only visible from AP's 86-MB-983-5. Not directly affected by the pipeline.
Category B
- 4.23 **Tyddyn Canol Ring Ditch I** (SO 01559223) (PRN 7029)
4.23.1 A cropmark ring ditch measuring c.15m in diameter dating from the Bronze Age. Possibly overlapped by another ring ditch (PRN 7133). Only revealed by AP's.
Category B
- 4.24 **Tyddyn Canol Ring Ditch II** (SO 01599228) (PRN 7030)
4.24.1 A cropmark ring ditch c.10m across of probable Bronze Age date. Only revealed by AP's.
Category B
- 4.25 **Tyddyn Canol Ring Ditch III** (SO 01559223) (PRN 7133)
4.25.1 A possible Bronze Age Ring Ditch c.20m in diameter. Appears to overlie ring ditch PRN 7029. Only revealed by AP's.
Category B
- 4.26 **Wig Bridge Woollen Factory** (SO 01589268) (Site 6)
4.26.1 This factory is depicted on both 1st and 2nd edition OS maps but has since been demolished and the present farmhouse built on the site. It is not directly affected by the pipeline.
Category F.
- 4.27 **Blackhall Cottages Milestone** (SO 01889287) (Site 7)
4.27.1 This milestone is depicted on both 1st and 2nd edition OS maps and was still visible on the site visit.
Category C
- 4.28 **Blackhall Cottages Ring Ditch I** (SO 01729315) (PRN 2510)
4.28.1 A ring ditch c.40m diameter of probable Bronze Age date with a ring ditch c.15m across lying within. Only identified from AP's.
Category B
- 4.29 **Blackhall Cottages Ring Ditch II** (SO 01769320) (PRN 4649)
4.29.1 A semi-circular cropmark which possibly represents the SW arc of a ring ditch similar to PRN 2510 above. Located 50m to NE of latter. Only identified from AP's.
Category B
- 4.30 **Blackhall Cottage Cropmark** (SO 01709324) (PRN 4488)
4.30.1 Three sides of an irregular-shaped enclosure, possibly part of previous field system dating from the post-medieval period. Inside contains a rectangular cropmark resembling a building foundation. Only revealed by AP's.
Category B
- 4.31 **Pontdolgoch Milepost** (SO 01239472) (Site 8)
4.31.1 A milepost showing Whitchurch 55 miles, was depicted on 1st edition OS map but not on the 2nd edition and was not located during a site visit.
Category F
- 4.32 **Pontdolgoch Mill** (SO 01029371) (PRN 20909)
4.32.1 Three storey corn mill with cast iron overshot wheel, cast in Welshpool in 1886 by Morris. Depicted on both 1st and 2nd edition OS maps. Listed building not directly affected by pipeline, but associated earthworks may be damaged or destroyed.

Category A

4.33 **Pontdolgoch Millpond** (SO 0104939371) (Site 8)

- 4.33.1 Depicted on both 1st and 2nd edition OS maps. Still exists today but has been filled in and grassed over.

Category B

4.34 **Pontdolgoch Find** (SO 00869383) (PRN 776)

- 4.34.1 A perforated mace (pebble tool) dating from the Neolithic was found sometime before 1961.

Category F

4.35 **Pontdolgoch Sawmill** (SO 00809386) (PRN 20912)

- 4.35.1 Single storey sawmill rebuilt in timber in 1913 on site of earlier mill. Not directly affected by pipeline, but mill pond (Site 9, below) is on proposed route.

Category C

4.36 **Pontdolgoch Sawmill Pond** (SO 00749384) (Site 9)

- 4.36.1 Mill pond associated with sawmill lies on pipeline route. Pond water is stagnant and therefore apparently disused during site visit. Cable pulley device to operate sluice gates runs across road. Depicted on 1st and 2nd edition OS maps.

Category C

4.37 **Pen-y-graig Milestone** (SO 00419445) (Site 10)

- 4.37.1 Marked on 1st and 2nd edition OS maps. Still visible on site visit although hidden in hedge and very worn and damaged.

Category C

4.38 **Shiloh Chapel** (SN 99729497) (Site 11)

- 4.38.1 Chapel and burial ground depicted on both 1st and 2nd edition OS maps. The pipeline does not directly affect it.

Category C

4.39 **Capel Salem Milestone** (SN 99259554) (Site 12)

- 4.39.1 A milestone depicting Machynlleth 19 and Newtown 9 miles is shown on both 1st and 2nd edition OS maps. Not located during site visit.

Category C

4.40 **Oerffrwd Crossing Cropmark** (SN 98539583) (PRN 1431)

- 4.40.1 A vague oval cropmark measuring 45m by 25m presumed to be natural and rejected as an archaeological feature by OS.

Category C

4.41 **Pant-y-crusty Earthwork I** (SN 97839618-SN 97959630) (Site 13)

- 4.41.1 A curvilinear double-ditched bank running NE-SW for c. 200m. Revealed by AP 0784 42. Not affected by pipeline

Category C

4.42 **Pant-y-crusty Earthwork II** (SN 97779619-SN 97819636) (Site 14)

- 4.42.1 A meandering curvilinear double-ditched bank running N-S for c.200m approximately 100m to W of Site 10 above. Revealed by AP 0784 42. Not affected by pipeline.

Category E

4.43 **Plasnewydd Milepost** (SN 97299622) (Site 15)

- 4.43.1 Milepost showing Whitchurch 58 depicted on 1st edition OS but not 2nd edition.

Category F

4.44 **Plasnewydd Earthworks** (centred on SN 97049620) (Site 16)

- 4.44.1 Four curvilinear ditches each c.50m apart. The three on the W run NE-SW and the far E ditch runs NW-SE. Possibly natural palaeochannels. Revealed by AP 0784 43. Not affected by pipeline.

Category E

- 4.45 **Plasnewydd Hollow ways** (SN 96809645) (Site 17)
4.45.1 A parallel pair of hollow ways running N-S. Identified from AP's. 0784 42-3.
Category C
- 4.46 **Wtra'r Abbot Placename** (SN 96709650) (PRN 3572)
4.46.1 The name implies a road with ecclesiastical connection.
Category E
- 4.47 **Carno Dark Age Cross** (SN 96329647) (PRN 918)
4.47.1 A 1.5m high stone slab with an incised cross dating from the the 7th-9th century was found in 1960 acting as a gate post at SN 95769731.
Category A
- 4.48 **Caer Noddfa Fort** (SN 96269656) (PRN 919)
4.48.1 A trapezoidal enclosure with no apparent entrance. Partly excavated in 1909, 1964 and 1965. The results were inconclusive on each occasion; although a Roman type V-shaped ditch and a possible medieval building abutting a rampart have been identified since. It may be a Roman fortification that has been re-used at a later date, because this is the traditional site of a medieval hospice.
4.48.2 Although the pipeline does not directly affect this feature, other earthworks connected with it may be damaged or destroyed.
Category B
- 4.49 **Caer Noddfa Roman Road** (SN 96209648) (Site 18)
4.49.1 Roman road only marked on 2nd edition OS map. Not directly affected by pipeline.
Category B
- 4.50 **Caer Noddfa Holloway** (SN 96379660) (Site 19)
4.50.1 A curving hollow way or ditch of unknown date runs from the present farm track to the railway. It is not directly affected by the pipeline.
Category C
- 4.51 **Caer Noddfa Earthworks I** (SN 96439665) (Site 20)
4.51.1 A series of ditches run between the railway and the river meander. Some may be natural palaeochannels others may be associated with Caer Noddfa but their date is unknown.
Category E
- 4.52 **Carno Earthworks II** (SN 95989723) (Site 21)
4.52.1 Another ditch which may be a natural palaeochannel or an archaeological feature associated with Caer Noddfa.
Category E
- 4.53.1 **Site of Carno Dark Age Cross** (SN 95769731) (PRN 26644)
4.53.1 Location of Dark Age Cross when found being used as a gatepost, now in Carno church (see PRN 918). Not directly affected by pipeline.
Category C
- 4.54 **Pont y Sarn Earthwork** (SN 95289790) (PRN 1778)
4.54.1 A sub semi-circular bank measuring 100m in radius. Could be part of a redundant field system. Only the SE portion is clearly identifiable from the ground during a recent field visit.
Category C
- 4.55 **Pont y Sarn Cropmark** (SN 98229508) (Site 22)
4.55.1 A curved feature running towards the road at its S end. Could be natural geology. Revealed from AP's and was seen as a raised bank during site visit.
Category C
- 4.56 **Efail-newydd Sawpit** (SN 96859870) (Site 23)
4.56.1 Depicted on 2nd edition OS map. Not directly affected by pipeline.
Category C

- 4.57 Efail -newydd Hollow ways (SN 969988) (Site 24)**
4.57.1 Two curved ditches curving away from one another as if mirrored. May be natural or part of old field system of unknown date. Not directly affected by pipeline.
 Category D
- 4.58 Glanhanog-isaf Earthwork (SN 9672995) (Site 25)**
4.58.1 A bank or old field boundary of unknown date runs NE-SW between the road and the NE boundary of the field. This feature is not directly affected by the pipeline.
 Category D
- 4.59 Glanhanog Cropmark (SN 94279898) (PRN 1406)**
4.59.1 Consists of two adjoining circular cropmarks measuring c.11m in diameter. Considered to be natural features by OS and rejected.
 Category E
- 4.60 Glanhanog-uchaf Cropmark I (SN 94339918-SN 94229944) (Site 26)**
4.60.1 A pair of parallel ditches c.300m long running NW-SE. Could represent an old road of unknown date or modern farm track. Revealed by AP 784 103. Not directly affected by the pipeline.
 Category E
- 4.61 Glanhanog-uchaf Cropmark II (SN 94449930) (Site 27)**
4.61.1 A sub rectangular enclosure of unknown date. Revealed by AP 784 102. Not directly affected by the pipeline.
 Category C
- 4.62 Glanhanog-uchaf Cropmark III (SN 94129923-SN 94209939) (Site 28)**
4.62.1 A curvilinear pair of parallel ditches running SW-NE across existing main road. Could represent an old road of unknown date or modern farm track. Revealed by AP 784 102.
 Category E
- 4.63 Glanhanog-uchaf Cropmark IV (SN 94119925-SN 94149942) (Site 29)**
4.63.1 A linear pair of parallel ditches running N-S for 150m across existing main road. Approximately 40m to the west of Site 22 above. Could represent an old road of unknown date or modern farm track. Revealed by AP 784 102.
 Category E
- 4.64 Glanhanog-uchaf Cropmark V (SN 94049927) (Site 30)**
4.64.1 A linear pair of parallel ditches running NW-SE for c.70m of unknown date or function. Revealed by AP 784 102.
 Category E
- 4.65 Glanhanog-uchaf Cropmark VI (SN 94059652) (Site 31)**
4.65.1 A three-sided pan-shaped feature with a pair of parallel ditches running through the centre N-S. Could be part of an old field system. Revealed by AP 784 102. Not directly affected by pipeline.
 Category E
- 4.66 Glanhanog-uchaf Cropmark VII (SN 93879962) (Site 32)**
4.66.1 A parallel pair of linear ditches running NE-SW for c.120m. Unknown date or function. Revealed by AP 784 101.
 Category E
- 4.67 Talerddig Cropmark I (SN 93629974-SN 93779994) (Site 33)**
4.67 A pair of parallel ditches c.40m apart running NE-SW for 250m. Bisected at northern end by linear ditch running W-E. Unknown date and function. Revealed by AP's 784 100 & 784 171. Not affected by pipeline.
 Category E
- 4.68 Talerddig Cropmark II (SN 93309982) (Site 34)**
4.68.1 A series of rectangular linear cropmarks that appear to suggest an old field system. Revealed by AP's 784 101 & 784 171.
 Category D

4.69 Factory-llawr-y-coed Cropmark (SH 92230109) (Site 35)

- 4.69.1 Two pairs of roughly parallel lines crossing at right angles to on another roughly 100m long. Of unknown date or function. Revealed on AP's 784 171-2.
Category E

5 SITES IDENTIFIED DURING THE FIELD SURVEY**5.1 Llwyn yr Iar Earthwork I (SO 01478964-SO 02168935) (Site 36)**

- 5.1.1 A linear ditch over 750m long running along the field boundaries of seven fields from NW-SE. Could be natural stream formation.
Category D

5.2 Llwyn yr Iar Earthwork II (SO 015558961-SO 01708960) (Site 37)

- 5.2.1 A hollow way running NW-SE for c.200m of unknown date. Could be a natural feature.
Category D

5.3 Llwyn yr Iar Earthwork III (SO 01578967) (Site 38)

- 5.3.1 A slight raised linear bank running NE-SW for c.20m to the SE of a plateau. Date and function unknown. Could result from natural geology.
Category D

5.4 Llwyn yr Iar Earthwork IV (SO 01608964) (Site 39)

- 5.4.1 A slight raised linear bank running NE-SW for c.20m parallel and to the SE of Site 34 above. Date and function unknown. Could result from natural geology.
Category D

5.5 Llwyn yr Iar Earthwork V (Centred on SO 01828959) (Site 40)

- 5.5.1 A series of 5 linear banks and depressions between 40-130m long. 4 run NW-SE and the fifth runs W-E. Of unknown date and function but may be part of a field system.
Category D

5.6 Llwyn yr Iar Earthwork VI (SO 01808953) (Site 41)

- 5.6.1 A large mound c.2m high situated on the corner of the present boundaries of three fields. Of unknown date or function.
Category E

5.7 Llwyn yr Iar Earthwork VII (SO 01968951-SO 01938949) (Site 42)

- 5.7.1 A ditch running along the NW side of the field boundary c.80m long. Of unknown date.
Category E

5.8 Lower Gwerneirin Earthwork I (SO 02058952) (Site 43)

- 5.8.1 A linear depression running W-E for c.50m. Part of old fence boundary marked on 2nd edition OS map.
Category D

5.9 Lower Gwerneirin Earthwork II (SO 01888983-SO 02148972) (Site 44)

- 5.9.1 A ditch running around the S and E edge of field. Of unknown date.
Category D

5.10 Lower Gwerneirin Earthwork III (SO 02128990-SO 02128980) (Site 45)

- 5.10.1 A linear bank c.0.5m wide running N-S for c.100m. Of unknown date or function. Possibly an existing water pipe.
Category D

5.11 Lower Gwerneirin Earthwork IV (SO 02198971-SO 02298988) (Site 46)

- 5.11.1 Ditch following the W and N boundaries of field. Of unknown date.
Category D

- 5.12 **Lower Gwerneirin Earthwork V** (SO 02248998-SO 02228989) (Site 47)
 5.12.1 A raised bank running N-S for 100m. An old boundary marked on 2nd edition OS map.
 Category D
- 5.13 **Lower Gwerneirin Pool** (SO 02198996) (Site 48)
 5.13.1 A pool excavated in recent years. Not marked on 1st and 2nd edition OS maps.
 Category D
- 5.14 **Lower Gwerneirin Wood Earthwork I** (SO 02239004-SO 02359018) (Site 49)
 5.14.1 A wide flat linear depression running NE-SW for 200m. Of unknown date or origin.
 Category E
- 5.15 **Lower Gwerneirin Wood Earthwork II** (SO 02219012-SO 02369018) (Site 50)
 5.15.1 A wide flat linear depression running W-E for 150m. Of unknown date or origin.
 Category E
- 5.16 **Lower Gwerneirin Wood Earthwork III** (SO 02209008-SO 02359035) (Site 51)
 5.16.1 A raised bank running along the E edge of the present wood for 350m. Old boundary depicted on 2nd edition OS map.
 Category D
- 5.17 **Lower Gwerneirin Wood Earthwork IV** (SO 02409044-SO 02359018) (Site 52)
 5.17.1 A raised bank running N-S for 200m then NE-SW for c.120m. Represents old field boundary depicted in 2nd edition OS map.
 Category D
- 5.18 **Carnedd Earthwork I** (SO 02389064-SO 02419054) (Site 53)
 5.18 A raised boundary bank running NW-SE for c.130m. Of unknown date.
 Category D
- 5.19 **Carnedd Earthwork II** (SO 02099071-SO 02149082) (Site 54)
 5.19.1 A linear hollow way running NE-SW for c.150m and joining Site 55 below. Of unknown date but possibly connected with disused mine workings further SW.
 Category D
- 5.20 **Carnedd Earthwork III** (SO 02109081-SO 02269088) (Site 55)
 5.20.1 A linear hollow way running NE-SW for c.180m. Joins Site 56 below and joined by Site 50 above. Of unknown date but possibly connected with disused mine workings further SW.
 Category D
- 5.21 **Carnedd Earthwork IV** (SO 02089078-SO 02249096) (Site 56)
 5.21.1 A linear hollow way running NE-SW for c.240m. Joined by Site 55 above. Of unknown date but possibly connected with disused mine workings further SW.
 Category D
- 5.22 **Carnedd Earthwork V** (SO 02049095-SO 02239098) (Site 57)
 5.22.1 A linear hollow way running W-E on the S side of the field boundary. Of unknown date but possibly connected with disused mine workings further SW or old road leading to Ty'n-y-pwll Farm at SO 01409056.
 Category D
- 5.23 **Carnedd Sawpit** (SO 02249090) (Site 58)
 5.23.1 Probable Sawpit located between Sites 55 and 56.
 Category D
- 5.24 **Carnedd Earthwork VI** (SO 02269112-SO 02379096) (Site 59)
 5.24.1 A ditch running N-S then NE-SW for c.370m along the E and N side of field boundary. Of unknown date but probably modern drainage ditch.
 Category D

- 5.25 **Carnedd Road** (SO 01739104-SO 02589178) (Site 60)
5.25.1 A tarmac road only marked as a trackway on 2nd edition OS map. Of probable modern date.
Category D
- 5.26 **Carnedd Earthwork VII** (SO 02099132-SO 02209137) (Site 61)
5.26.1 A shallow sub-circular depression joining the railway line at the N end and truncated by the road at the S end. Of unknown date and function but possibly connected with the railway.
Category E
- 5.27 **Carnedd Earthwork VIII** (Centred on SO 02079147) (Site 62)
5.27.1 Slight semi-circular depression. Of unknown date or function but possibly a palaeochannel.
Category E
- 5.28 **Carnedd Earthwork IX** (Centred on 02169150) (Site 63)
5.28.1 A shallow semi-circular depression. Of unknown date or function but possibly a palaeochannel.
Category E
- 5.29 **Carnedd Earthwork X** (SO 01869155-SO 02189154) (Site 64)
5.29.1 A linear waterlogged ditch running NE-SW for c.220m then NW-SE for c.150m. Of unknown date.
Category E
- 5.30 **Caerafon Earthwork I** (SO 01909188) (Site 65)
5.30.1 A sub-circular depression c.30m in diameter of unknown date or function. Possibly a natural feature.
Category E
- 5.31 **Caerafon Earthwork II** (SO 01819195) (Site 66)
5.31.1 A large sub-circular depression c.40m in diameter of unknown date or function. Possibly a natural feature.
Category E
- 5.32 **Caerafon Earthwork III** (Centred on SO 01909195) (Site 67)
5.32.1 This field contains a few very low earthworks. Impossible to tell if natural or not. Possibly connected with PRN 2509, 50189 & 50190 (4.11-13).
Category E
- 5.33 **Wig Earthwork I** (SO 01579236-SO 01539222) (Site 68)
5.33.1 A very shallow linear bank c.2m wide running NE-SW for c.150m. Of unknown date and function.
Category E
- 5.34 **Wig Earthwork II** (SO 01549255-SO 01629242) (Site 69)
5.34.1 A curvilinear bank c.100m long running NW-SE. Old field boundary depicted on 2nd edition OS map.
Category D
- 5.35 **Wig Earthwork III** (Centred on SO 01609252) (Site 70)
5.35.1 A series of lumps and hollows are found in this field. Of unknown date and function.
Category E
- 5.36 **Pontdolgoch Earthwork I** (Centred on SO 01309342) (Site 71)
5.36.1 Three shallow linear ditches. One running NE-SW for c.100m and joining railway embankment. At right angles to this ditch are the two other ditches 50m apart and each c.50m long. Possibly part of an old field system. Not directly affected by route.
Category D
- 5.37 **Pontdolgoch Earthwork II** (SO 011393-SO 01209360) (Site 72)
5.37.1 A curving ditch c.3m wide running towards Carno Stream. Possibly a palaeochannel.
Category D

5.38 Pontdolgoch Earthwork III (SO 01089358-SO 01169362) (Site 73)

- 5.38.1 A deep wide ditch with a roughly level base and sloping sides running NE-SW for 70m. Approximately 4-5m wide at the SW end and 10-15m at the NE end. Possibly a palaeochannel or an old trackway associated with a river crossing.
Category D

5.39 Pontdolgoch Earthwork IV (SO 00719381) (Site 74)

- 5.39.1 A slight curved hollow way in the SW corner of the field. Date and function unknown.
Category D

5.40 Cefn-y-wern Earthwork I (SO 00679404) (Site 75)

- 5.40.1 A semi-circular ditch on the SW edge of a mound adjacent to the road. Date and function unknown.
Category E

5.41 Cefn-y-wern Earthwork II (SO 00659404) (Site 76)

- 5.41.1 A linear ditch running NE-SW for 30m and joins Site 75 above at mid point of semi-circle. Date and function unknown.
Category D

5.42 Cefn-y-wern Earthwork III (SO 00639404-SO 00689406) (Site 77)

- 5.42.1 A very slight linear ditch running NE-SW for 50m. Probably represents an old field boundary marked on 1st edition OS map.
Category D

5.43 Cefn-y-wern Earthwork IV (SO 00609413) (Site 78)

- 5.43.1 This field contains a 'T'-shaped set of banks with associated holloways running parallel to the banks. These may represent an old trackway or an old field system of unknown date.
Category D

5.44 Cefn-y-wern Ridge and Furrow (centred on SO 00619400) (Site 79)

- 5.44.1 Both these fields contain well defined ridge and furrow of unknown date.
Category D

5.45 Pen-y-graig Ridge and Furrow (Centred on SO 00519440) (Site 80)

- 5.45.1 This field contains very worn ridge and furrow of unknown date.
Category D

5.46 Pen-y-graig Earthwork (SO 00509439) (Site 81)

- 5.46.1 A very slight holloway is found in the NW corner of this field. Its date and function is unknown.
Category E

5.47 Clap-coch Earthwork (SO 00159469) (Site 82)

- 5.47.1 A series of depressions and lumps of unknown date and function are found in the S corner of this field.
Category E

5.48 Clap-coch Stone (SO 00089474) (Site 83)

- 5.48.1 A very large flat stone 1.5m wide is situated in the NW corner of this field. It may have been used as a boundary marker of some kind.
Category D

5.49 Rhiw-y-griafol Earthwork I (SN 99579525) (Site 84)

- 5.49.1 A series of lumps and depressions are situated near the road. They may represent a house platform of unknown date.
Category E

5.50 Rhiw-y-griafol Earthwork II (SN 99439540) (Site 85)

- 5.50 A three-sided sub-rectangular enclosure consisting of very worn slightly raised banks. Its date and function are uncertain.
Category E

5.51 Oerffrwd Road (SN 98469552-SN 98909556) (Site 86)

- 5.51.1 The road is no longer in use and has been grassed over but still remains visible as a trackway.
Category D

5.52 Oerffrwd Earthwork (SN 98729562) (Site 87)

- 5.52.1 A semi-circular hollow way runs across the N-S field boundary and joins the main road at either end.
Of unknown date and function.
Category D

5.53 Gilfach-y-rhiw Earthwork I (Centred on SN 98229580) (Site 88)

- 5.53.1 A series of four parallel gullies runs NE-SW for about 60m eventually ending near road. Probably connected with field drainage of unknown date.
Category D

5.54 Gilfach-y-rhiw Earthwork II (SN 98189590) (Site 89)

- 5.54.1 A holloway can be seen in the fenceline. Of unknown date and function.
Category D

5.55 Gilfach-y-rhiw Earthwork III (Centred on SN 98139580) (Site 90)

- 5.55.1 A hollow way running N-S probably that depicted as a trackway on both 1st and 2nd edition OS maps.
Category D

5.56 Gilfach-y-rhiw Ridge and Furrow (Centred on SN 98109585) (Site 91)

- 5.56.1 The E part of this field contains very worn ridge and furrow of uncertain date.
Category D

5.57 Gilfach-y-rhiw Earthwork IV (Centred on SN 98079583) (Site 92)

- 5.57.1 A drainage gully running N-S for 170m. Of unknown date.
Category D

5.58 Gilfach-y-rhiw Earthwork V (SN 98019590) (Site 93)

- 5.58.1 A series of lumps and very large boulders suggests a possible building may have been constructed here once. Though this is purely speculative.
Category D

5.59 Gilfach-y-rhiw Earthwork VI (SN 97959592-SN 98059592) (Site 94)

- 5.59.1 A deep hollow way runs W-E parallel to the road. Of unknown date or function.
Category D

5.60 Gilfach-y-rhiw Earthwork VII (SN 97889592) (Site 95)

- 5.60.1 A series of lumps and depressions are found in this field. Of unknown date or function.
Category E

5.61 Gilfach-y-rhiw Earthwork VIII (SN 97789604-SN 97909606) (Site 96)

- 5.61.1 A raised linear bank running W-E for 120m. Of unknown date or function but may be an old field boundary or part of a ridge and furrow system.
Category D

5.62 Gilfach-y-rhiw Earthwork IX (SN 97759616) (Site 97)

- 5.62.1 A linear ditch with a slight bank on E side running between the railway line and the river. Of unknown date or function.
Category E

5.63 Gilfach-y-rhiw Earthwork X (Centred on SN 97659618) (Site 98)

- 5.63.1 A steep bank running NE-SW towards the Carno Stream. Probably an old fording point.
Category D

5.64 Gilfach-y-rhiw Railway Bridge (SN 97579618) (Site 99)

- 5.64.1 Wooden foundation beams of previous bridge are still visible above the water-line inside the bridge on the NE and SW sides.

Category C

5.65 Plasnewydd Earthwork I (SN 97129623) (Site 100)

- 5.65.1 A raised mound by the railway embankment probably associated with the railway.
Category D

5.66 PLasnewydd Earthwork II (Centred on SN 97109630) (Site 101)

- 5.66.1 A slight linear ditch running N-S and probably represents an old field boundary marked on 1st and 2nd edition OS maps.
Category D

5.67 Dol-wen Earthwork I (SN 96809640) (Site 102)

- 5.67.1 A pair of parallel ditches running N-S for 70m and bisecting the existing NW-SE field boundary and continuing into the next field. Of unknown date or function.
Category E

5.68 Dol-wen Earthwork II (Centred on SN 96759643) (Site 103)

- 5.68.1 A very steep lynchet running along this field boundary of uncertain date.
Category D

5.69 Pont Dreflan Earthwork II (SN 96569653) (Site 104)

- 5.69.1 The slope has been levelled off. This may have been an old road of uncertain date.
Category D

5.70 Pont Dreflan Earthwork II (Centred on SN 96529650) (Site 105)

- 5.70.1 A roadway running NW-SE to the ford. Of unknown date but may be ancient particularly due to the proximity of Caer Noddfa (See 4.48)
Category C

5.71 Pont Dreflan Railway Bridge (SN 96489658) (Site 106)

- 5.71.1 The timber footings of a previous bridge are still visible above the water-line. Metal braces bolted to the beams still remain. Relatively modern in date? However the proximity of Caer Noddfa must be considered.
Category C

5.72 Pont Dreflan Earthwork III (SN 96399658) (Site 107)

- 5.72.1 A ditch runs E from the railway embankment and terminates at a Hole 2m in diameter. Of unknown date and function.
Category D

5.73 Carno Earthwork I (SN 96279680) (Site 108)

- 5.73.1 A hollow to the S of the brook joining the Carno Stream. Of unknown date or function.
Category E

5.74 Carno Earthwork II (Centred on SN 96209693) (Site 109)

- 5.74.1 A linear ditch running NW-SE for 30m. Of unknown date or function.
Category E

5.75 Carno Earthwork III (Centred on SN 96219692) (Site 110)

- 5.75.1 A curving ditch c.2m wide beginning at the railway line to NW and arcing to the N and E. Perhaps a palaeochannel.
Category D

5.76 Carno Earthwork IV (SN 96119699-SN 96239694) (Site 111)

- 5.76.1 A linear ditch 120m long. A hollow way marked as a track way to the S of wood depicted on 1st and 2nd edition OS maps. Wood has since been removed.
Category D

5.77 Carno Earthwork V (SN 96149698-SN 96149709) (Site 112)

- 5.77.1 A gully curving to the W. Of unknown date or function.
Category D

5.78 Carno Ridge and Furrow I (Centred on SN 96109708) (Site 113)

- 5.78.1 A series of prominent parallel ditches and raised banks running NE-SW between the railway and the Carno stream. Of unknown date.
Category D

5.79 Carno Earthwork VI (SN 96029715-SN 96059716) (Site 114)

- 5.79.1 A shallow linear ditch c.40m long. Of unknown date or function. Possibly connected with the railway.
Category D

5.80 Carno Earthwork VII (SN 96049722-SN 96089718) (Site 115)

- 5.80.1 A ditch curving to the SW of unknown date or function. Probably a palaeochannel.
Category D

5.81 Carno Ridge and Furrow II (Centred on SN 95959727) (Site 116)

- 5.81.1 A series of parallel linear ditches and banks running NW-SE for 100m from the road boundary to the N. OF unknown date.
Category D

5.82 Pont y Sarn Railway Bridge (SN 95559764) (Site 117)

- 5.82.1 The road bridge over the railway has been widened in recent years but still incorporates the original structure within. Modern in date.
Category C

5.83 Pont y Sarn Earthwork I (SN 95359779-SN 95429788) (Site 118)

- 5.83.1 A meandering ditch probably the track way marked on 1st and 2nd edition OS maps. Of unknown date.
Category D

5.84 Pont y Sarn Earthwork II (SN 95229815-SN 95309800) (Site 119)

- 5.84.1 A linear ditch representing an old field boundary marked on 1st and 2nd edition OS maps that has been removed in recent years.
Category D

5.85 Pont y Sarn Earthwork III (SN 95149812-SN 95229817) (Site 120)

- 5.85.1 A linear ditch representing an old field boundary marked on 1st and 2nd edition OS maps that has been removed in recent years.
Category D

5.86 Pont y Sarn Earthwork IV (SN 95079829-SN 95209835) (Site 121)

- 5.86.1 A ditch running W-E along the S of the field boundary. Of unknown date.
Category E

5.87 Pont y Sarn Earthwork V (SN 9507982930-SN 95209835) (Site 122)

- 5.87.1 A bank running W-E along the N of the field boundary. Of unknown date.
Category E

5.88 Pont y Sarn Earthwork VI (SN 95019844-SN 95119852) (Site 123)

- 5.88.1 A slight hollow way running down the middle of the field. Could be natural or might be connected with footpath marked on 1st and 2nd edition OS maps.
Category D

5.89 Efail-newydd Earthwork I (Centred on SN94929865) (Site 124)

- 5.89.1 A pair of very shallow parallel banks c.20m long running N-S. OF unknown date or origin.
Category E

5.90 Efail-newydd Earthwork II (Centred on SN 94689884) (Site 125)

- 5.90.1 A slight bank with a hollow way between the bank and the hedge running NW-SE for 70m at an angle to the boundary. Of unknown date.
Category D

5.91 Efail-newydd Earthwork III (SN 94579874-SN 94629892) (Site 126)

- 5.91.1 A slight bank running N-S parallel with the field boundary to the W. Possibly an old field boundary.
Category D

5.92 Glanhanog-isaf Earthwork I (SN 94589893) (Site 127)

- 5.92.1 A slight hollow way seen in the boundary hedge on both sides. Of unknown date.
Category D

5.93 Glanhanog-isaf Earthwork II (Centred on SN 94439900) (Site 128)

- 5.93.1 A raised farm track running N-S also depicted on 1st and 2nd edition OS maps. Of unknown date.
Category D

5.94 Glanhanog-isaf Earthwork III (Centred on SN 94439906) (Site 129)

- 5.94.1 A ditch and raised bank on the boundary running NE-SW for 30m. Of unknown date.
Category D

5.95 Glanhanog-isaf Earthwork IV (Centred on SN 94419911) (Site 130)

- 5.95.1 A linear bank running NW-SE for 60m along the boundary. Between the bank and the road is a ditch. Of unknown date.
Category D

5.96 Glanhanog-isaf Earthwork V (SN 94339895-SN 94399912) (Site 131)

- 5.96.1 A drainage gully curving to the NW. Of unknown date.
Category D

5.97 Glanhanog-uchaf Earthwork I (SN 94319911) (Site 132)

- 5.97.1 A raised lump several metres across. May be natural or a house platform of unknown date.
Category E

5.98 Glanhanog-uchaf Earthwork II (SN 94129922-SN 94189929) (Site 133)

- 5.98.1 A linear drainage gully parallel to field boundary. Of unknown date.
Category D

5.99 Glanhanog-uchaf Stone (SN 94079930) (Site 134)

- 5.99.1 A large boulder measuring 0.9 x 0.6m found in hedge. May represent old parish boundary.
Category D

5.100 Glanhanog-uchaf Earthwork III (Centred on SN 93739957) (Site 135)

- 5.100.1 A Linear raised bank running NW-SE for 60m. Of unknown date or function.
Category E

5.101 Glanhanog-uchaf Earthwork IV (Centred on SN 93719955) (Site 136)

- 5.101.1 A linear hollow way running at right angles to 5.100 above for 60m. Of unknown date or function.
Category D

5.102 Talerddig Earthwork I (Centred on SN 93659968) (Site 137)

- 5.102.1 A short gully running NW-SE for 20m. Of unknown date.
Category E

5.103 Talerddig Earthwork II (Centred on SN 93589973) (Site 138)

- 5.103.1 A raised bank running NE-SW for 30m. Probably an old field boundary or modern pipeline.
Category D

5.104 Talerddig Earthwork III (Centred on SN 93569974) (Site 139)

- 5.104.1 A slight semi-circular hollow way curving to the W. Of unknown date.
Category E

5.105 Talerddig Ridge and Furrow (Centred on SN 93359988) (Site 140)

- 5.105.1 A series of parallel ditches and raised banks running NE-SW for 80m. Of unknown date.
Category E

5.106 Talerddig Earthwork IV (Centred on SN 93189980) (Site 141)

- 5.106.1 A series of drainage channels running NE-SW and N-S. Probably modern in date.
Category D

5.107 Talerddig Earthwork V (Centred on SN 93129981) (Site 142)

- 5.107.1 Two large mounds running N-S for over 60m. Depicted on both 1st and 2nd edition OS maps.
Presumably connected with the railway.
Category D

5.108 Talerddig Earthwork VI (Centred on SN 92809980) (Site 143)

- 5.108 A series of rock outcrops running W-E on top of the hill. Probably natural but may be the result of human activity.
Category D

5.109 Talerddig Earthwork VII (SN 92659984-SN 92719997) (Site 144)

- 5.109.1 A very slight raised bank representing an old field boundary marked on both 1st and 2nd edition OS maps. Of unknown date.
Category D

5.110 Talerddig Earthwork VIII (SN 92639990) (Site 145)

- 5.110.1 A slight hollow way running NW-SE for 20m. Of unknown date.
Category D

5.111 Talerddig Earthwork IX (SN 92649991-SN 92689989) (Site 146)

- 5.111.1 A very slight linear bank running NW-SE for 70m. Possibly an old field boundary.
Category D

5.112 Talerddig Earthwork X (SH 92810003-SH 92850003) (Site 147)

- 5.112.1 A slight semi-circular hollow way curving to the S. Of unknown date.
Category D

5.113 Talerddig Earthwork XI (SH 92700058) (Site 148)

- 5.113.1 A large pile of stones by brook. Possibly part of old building and may have been removed from field after ploughing.
Category D

5.114 Dol-fach Earthwork I (SH 91770126-SH 91870122) (Site 149)

- 5.114.1 A bank and ditch running NW-SE. All that remains of an old field boundary depicted on both 1st and 2nd edition OS maps. Of unknown date.
Category D

5.115 Dol-fach Earthwork II (SH 91700138-SH 91610128) (Site 150)

- 5.115.1 A bank containing many large stones. Represents an old field boundary depicted on both 1st and 2nd edition OS maps. Of unknown date.
Category D

6 CONCLUSIONS

- 6.1 The majority of sites recorded in the assessment are low status sites connected with the agricultural regimes of the area. However, some sites (category E) cannot be evaluated from the surface or documented evidence and may be worthy of further investigation. The cropmark sites and other sites of categories A-C inclusive warrant further investigation where threatened by the proposed works.

7 ACKNOWLEDGEMENTS

My express thanks go to all those people who assisted and co-operated during this project:

The Regional Sites and Monuments Record (SMR) held by the Clwyd-Powys Archaeological Trust, Welshpool.

The National Monument Record (NMR) of the Royal Commission on Ancient and Historic Monuments in Wales (RCAHMW), Aberystwyth.

The National Library of Wales, Aberystwyth.

Sue Trill of the Powys County Planning Department, Welshpool.

The landowners for their permission to walk their land.

Steve Nash, Design Engineer, Binnie, Black and Veatch.

8 RECORDS CONSULTED

8.1 CPAT aerial photograph collection. 79-21-09-12; 86-MB-983-5; 89-MB-625-7; 87-MB-623; 85-24-20.

8.2 County Sites and Monuments Record

8.3 National Sites and Monuments Record

8.4 Aerial photographs:

OS 72/409 531-4 (9" vertical); 72/410 210-11 (9" vertical); 76 /046 168, 171 & 232 (9" & 20" vertical); 76/120 109 (20" vertical); 81/007 23-4 (9" vertical) (Royal Commission)

484 133-5; 584 11-12, 73, 133-4 & 201-5; 784 42-6, 100-2 & 171-3 (1:10,000) (Powys County Council Planning Department)

8.5 1st and 2nd edition OS maps (National Library of Wales)

8.6 Tithe maps and apportionments (National Library of Wales)

APPENDIX 1

LLANDINAM - LLANWRIN MAIN: STAGE 1.

SPECIFICATION FOR AN ARCHAEOLOGICAL ASSESSMENT BY CLWYD-POWYS ARCHAEOLOGICAL TRUST

1 Introduction

1.1 The proposed development of a 19.7km long strip of land between Llandinam and Talerddig involves the construction of a 300mm water mains between Llandinam reservoir (SO01378975) and Dolfach (SH91510150).

1.2 The proposed route largely follows existing highways and railways though it also crosses farmland at its northern and southern extremes. A number of archaeological sites are known in close proximity to this route. The sites recorded vary in date, function and importance. Many Prehistoric to Medieval sites have been recorded as cropmarks by aerial photography. In contrast, the Roman Road west of Caersws survives as an earthwork.

1.3 The Curatorial Section of the Clwyd-Powys Archaeological Trust, in their capacity as archaeological curators for the county, have determined that an Archaeological Assessment is necessary to assess the implications of the proposed development on the archaeological resource. Accordingly a brief has been prepared by CPAT Curatorial (No AAB 173, dated 3rd June 1996) which describes the scheme of archaeological works required.

2 Objectives

2.1 The objectives of the evaluation are:

2.1.1 to reveal by desk-based assessment, the nature, condition, significance and, where possible, the chronology of the archaeology within the area of the proposed development in so far as these aims are possible;

2.1.2 to prepare a report outlining the results of the assessment, to identify areas where desk-top assessment alone cannot provide sufficient information and make recommendations for further work or mitigatory measures;

2.1.3 to incorporate sufficient information on the archaeological resource for a reasonable planning decision to be taken regarding the archaeological provision for the area affected by the proposed development;

2.1.4 to identify and recommend options for the management of the archaeological resource, including any further provision for that resource where it is considered necessary.

3 Methods

3.1 The assessment will be carried out according to the guidelines in the *IFA Standard and Guidance for Archaeological Assessments* and will involve the examination of all the readily available primary and secondary records relating to this part of the town, including documentary and cartographic sources. Archives and repositories will include the County Sites and Monuments Record, the County Record Office, The National Library of Wales, the National Monuments Record held at the Royal Commission on Ancient and Historical Monuments (Wales) at Aberystwyth. Borehole and test-pit data will be requested from the developers where appropriate.

3.2 The assessment will be supported by a field visit to determine the state of the identified archaeology and the presence of other sites not identified from the documentary sources and to make a photographic record of the area.

3.3 A fieldwalked survey of the pipeline corridor will be undertaken on transects of no more than 10m apart, to identify potential new sites which may be affected by the works.

3.4 Following the on-site work an illustrated and bound report will be prepared according to the principles laid out in the Assessment Brief (page 3). This will be in A4 format and contain conventional sections on: Site location, Topography and Geology; Historic Background; Catalogue of sites identified with notes on their condition and significance, Conclusions and Recommendations and References, together with appropriate appendices on archives and finds.

3.5 The site archive will be prepared to specifications laid out in Appendix 3 in the *Management of Archaeological Projects* (English Heritage, 1991).

4 Resources and Programming

4.1 The assessment will be undertaken by a skilled and experienced archaeologist who will also be responsible for undertaking the desk-based assessment. Overall supervision will be by Dr A Gibson, a senior member of CPAT's staff who is also a member of the Institute of Field Archaeologists.

4.2 All report preparation will be completed by the same field archaeologist who conducted the assessment.

4.3 It is anticipated that the assessment and evaluation will take no more than 18 days in all and that the subsequent report would be prepared immediately thereafter, dependent on the client's instructions and the arrangement of a suitable timetable. The date of commencement, at the time of writing, has yet to be agreed with the client, and will be dependent on the state of the site and negotiated access. The archaeological curator will be informed of the detailed timetable and staffing levels when agreement has been reached with the client.

4.4 Requirements relating to Health and Safety regulations will be adhered to by CPAT and its staff.

4.5 CPAT is covered by appropriate Public and Employer's Liability insurance.

A.M. Gibson
12th June 1996

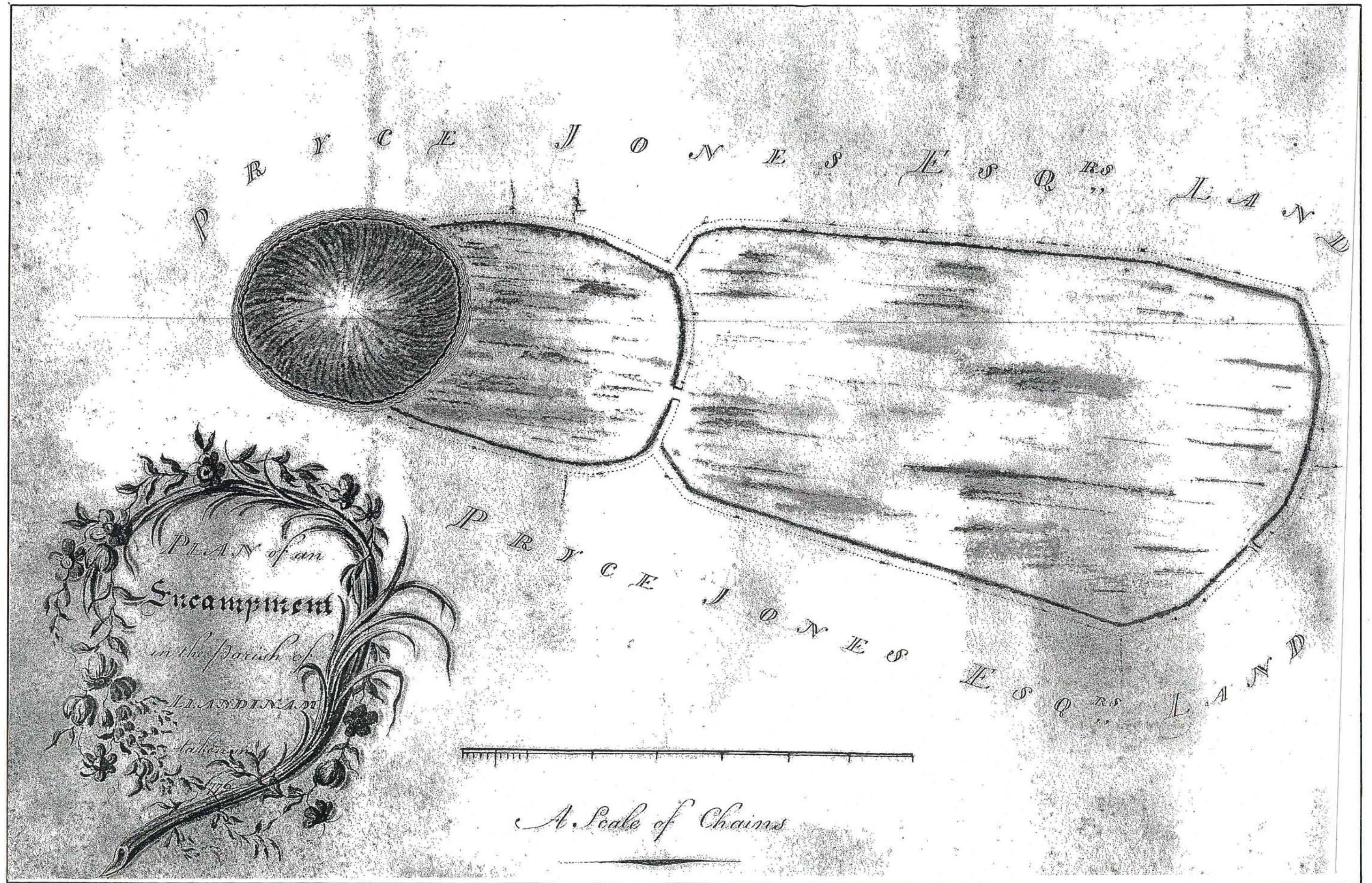


Figure 1 Map of 1776 showing Cefn Carnedd hillfort

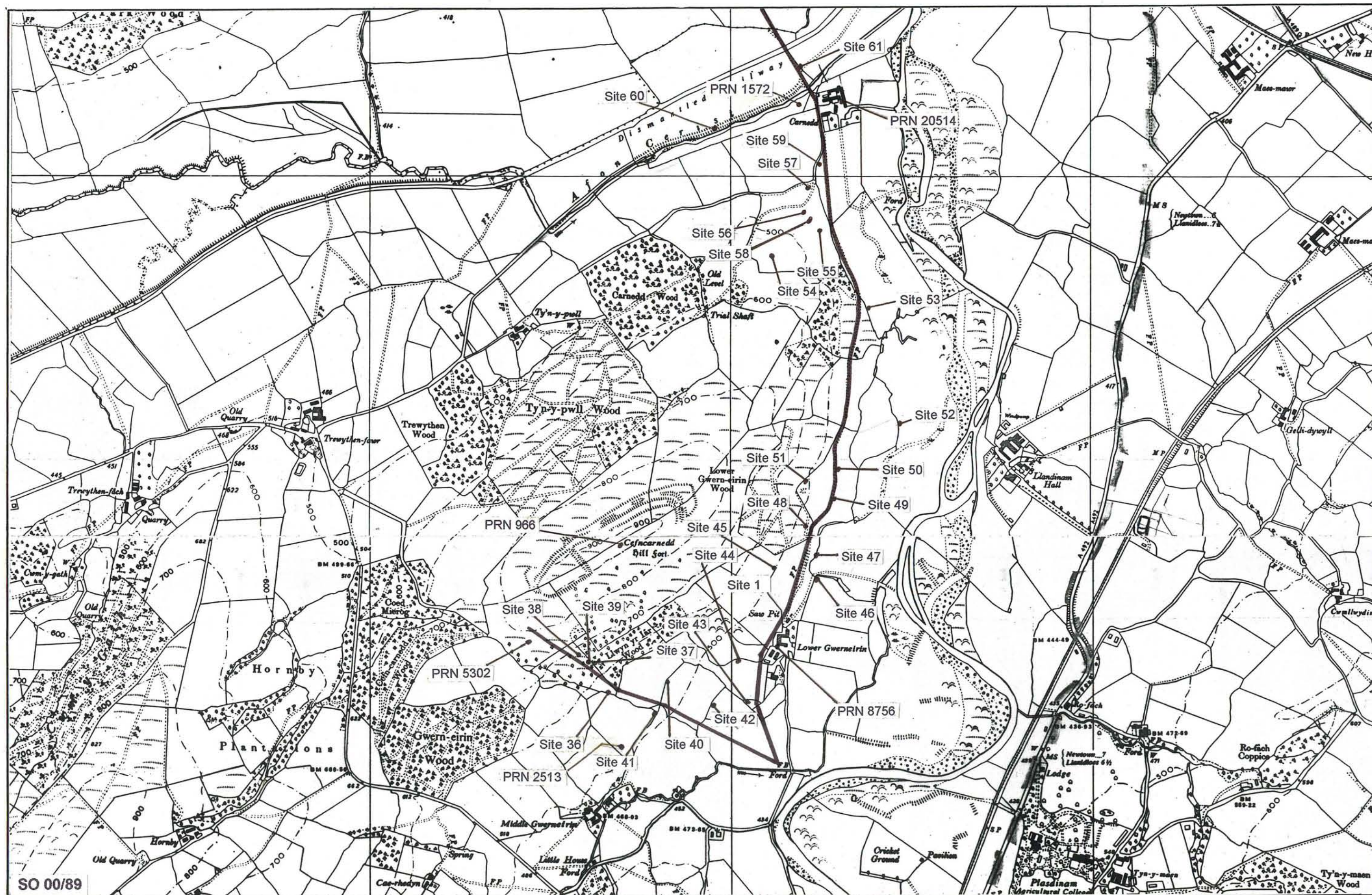


Figure 2 Map of archaeological sites along proposed pipeline route 1:10,000

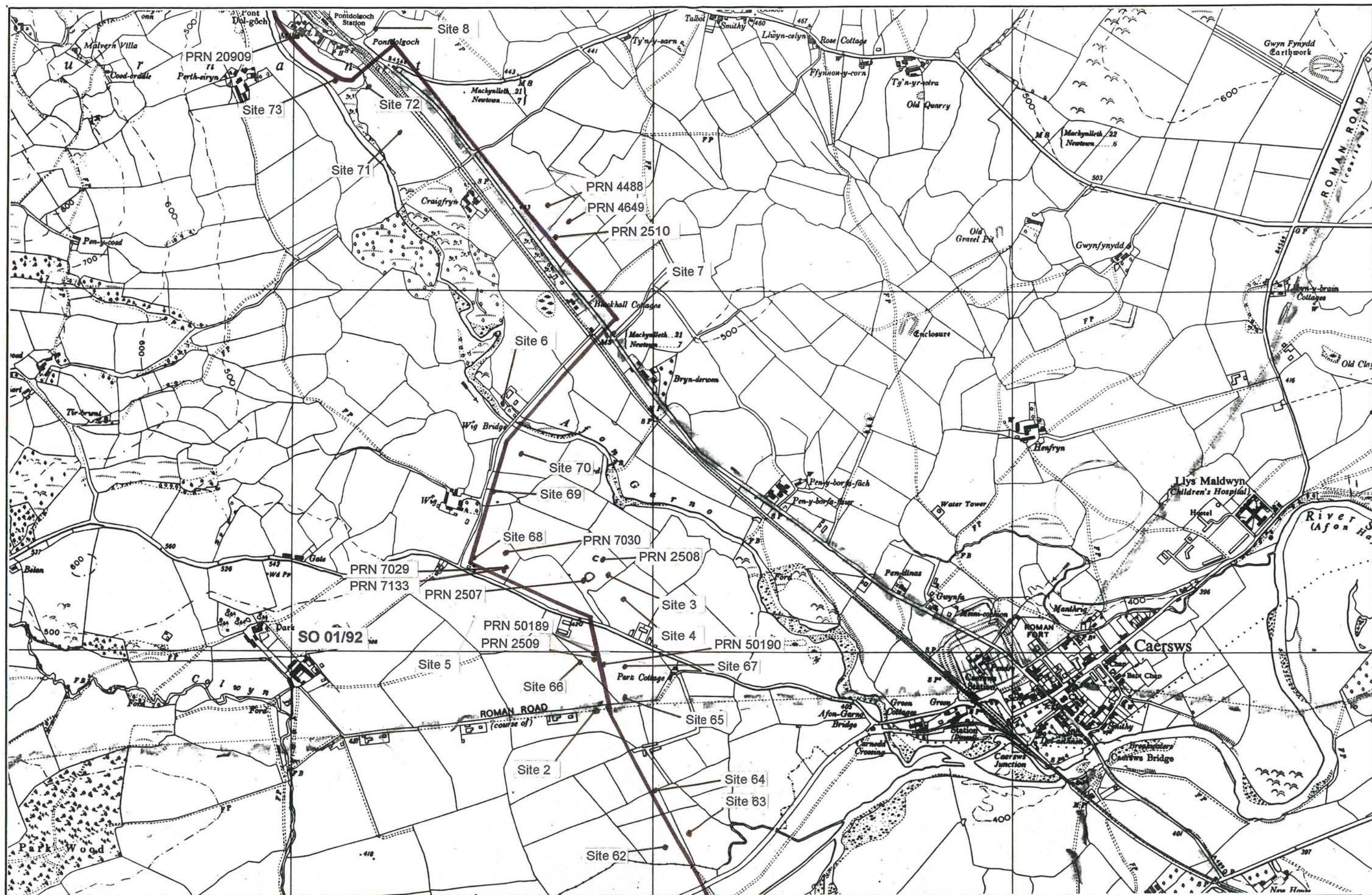


Figure 3 Map of archaeological sites along proposed pipeline route 1:10,000

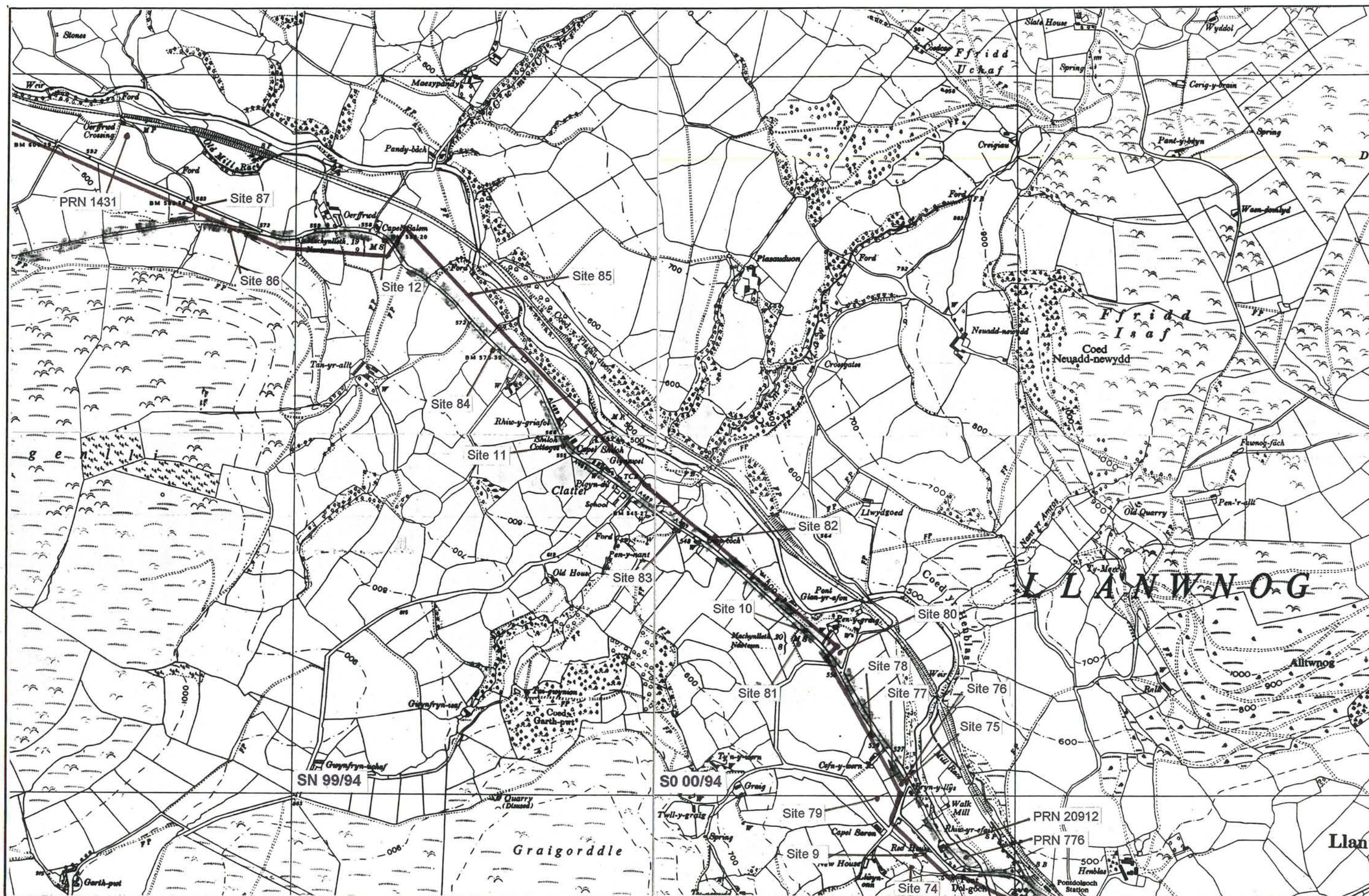


Figure 4 Map of archaeological sites along proposed pipeline route 1:10,000

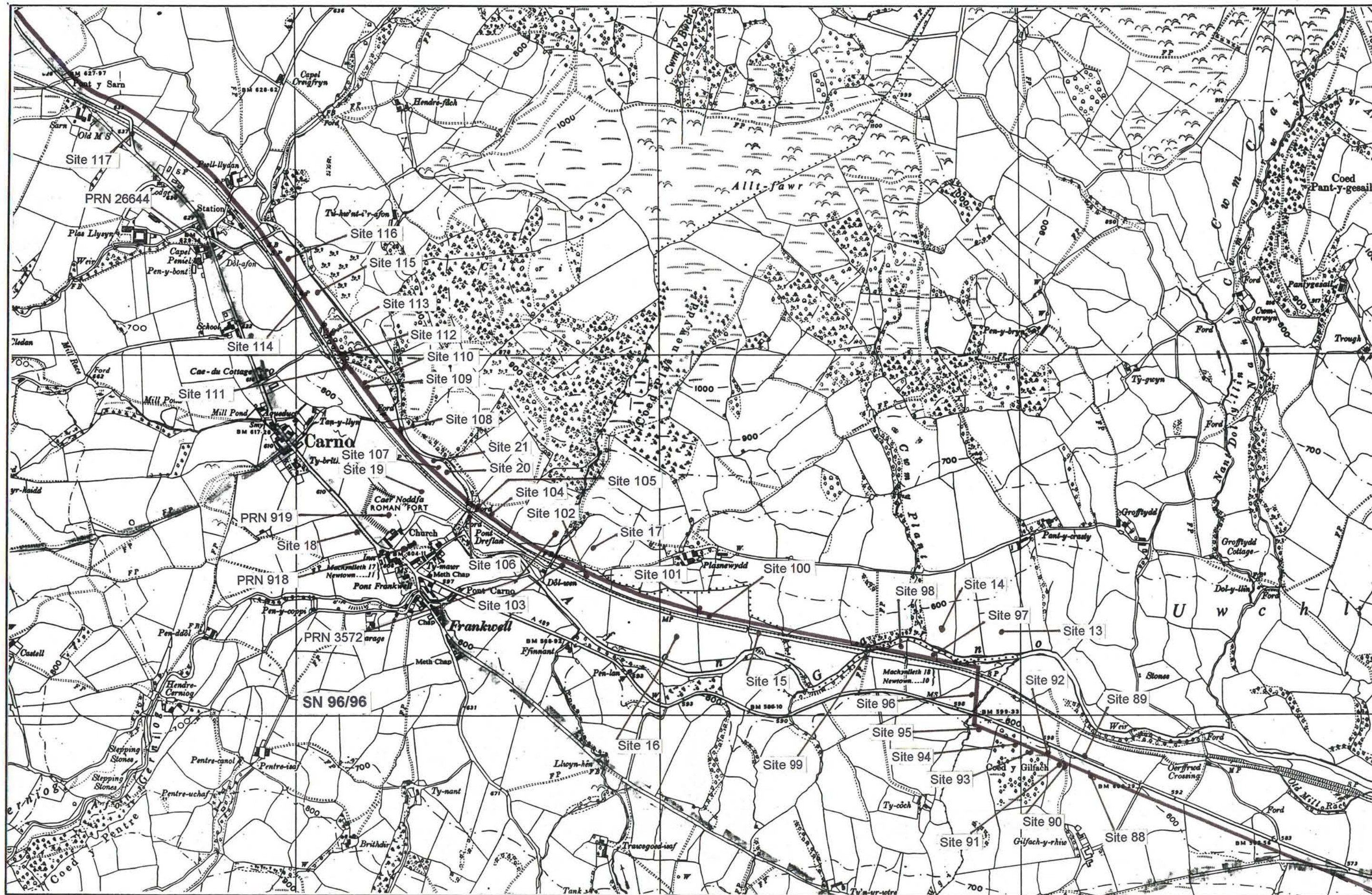


Figure 5 Map of archaeological sites along proposed pipeline route 1:10,000

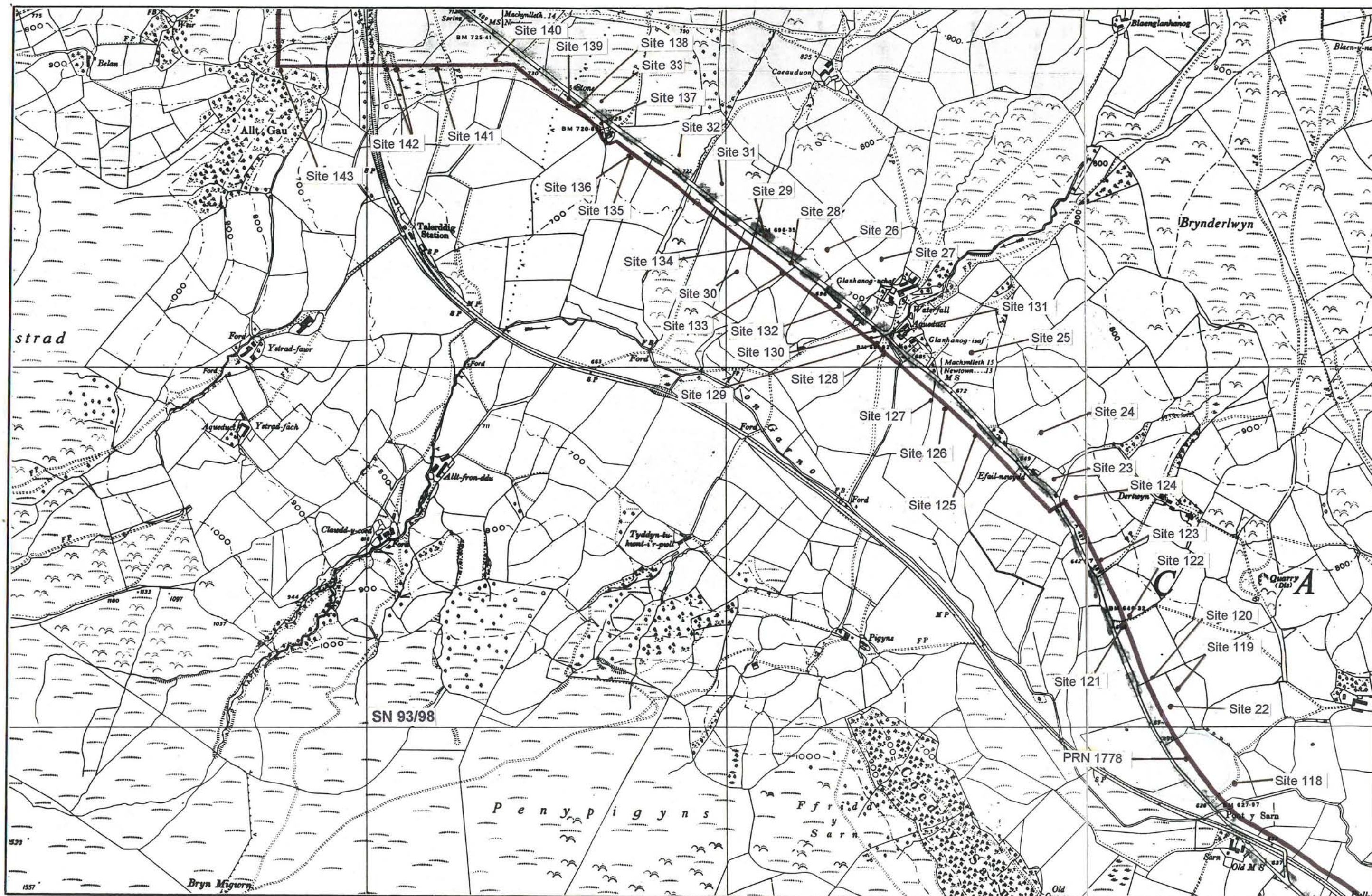


Figure 6 Map of archaeological sites along proposed pipeline route 1:10,000

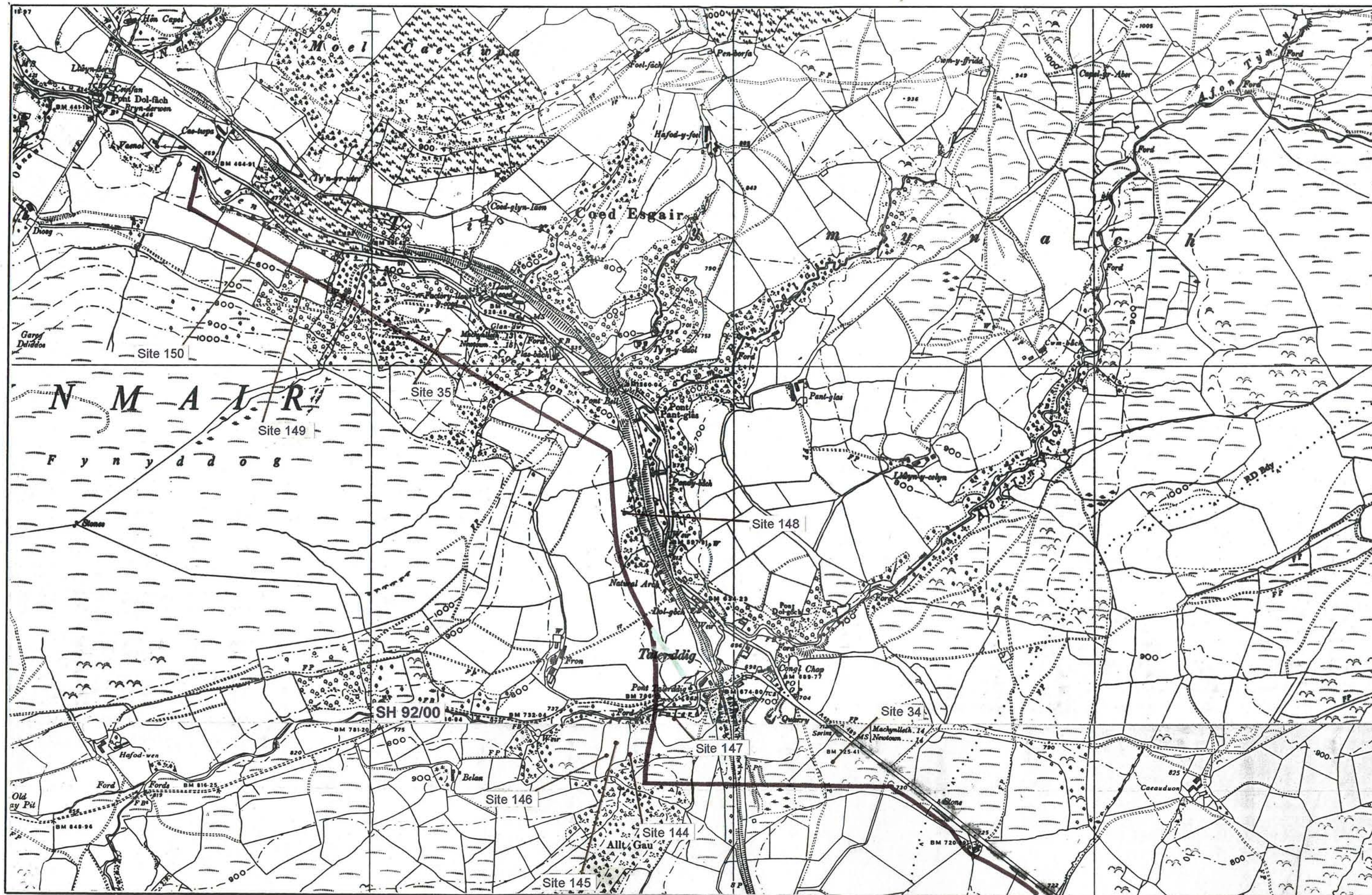


Figure 7 Map of archaeological sites along proposed pipeline route 1:10,000