

Archaeology Wales

Land at Hafan Y Môr, Chwillog Pwllheli, Gwynedd

Archaeological Desk Based Assessment



By
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Report No. 1813

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
Archaeology Wales

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Non – Technical Summary

In June 2019, Archaeology Wales was commissioned by Bourne Leisure Ltd to carry out an Archaeological Desk Based Assessment and Site Visit to determine the archaeological potential of land at Hafan Y Môr Holiday Park, Pwllheli, centred on SH 43436 36685. It has been prepared to conform to Condition 9 of Planning Reference No. C10D/0141/40/LL.

No Registered Historic Landscape, Conservation Area, Historic Park & Garden, Scheduled Ancient Monument, or Listed Building will be directly or indirectly affected by the proposed development.

The proposed development site is located within the grounds of the archaeological sites of HMS Glandower and Butlin's Holiday Camp (PRN 7248, 74912). A general potential for modern archaeological remains is highlighted. No new sites have been recorded within the proposed development area during the course of the assessment. The proposed development site has been open fields up until the 1940's when it became grounds of the Butlin's/Glandower Camps. It has been utilised in modern times as a playground and cart track, with minimal impacts to the potential archaeological resource.

It is therefore recommended that landscaping works utilises a fill rather than cut method to avoid disturbance of potential archaeological remains. Given the presence of prehistoric remains within Hafan Y Môr in the form of isolated finds, and the presence of Bronze Age remains (e.g. burnt mounds) in the search area, it is recommended that all groundworks associated with the construction of the twelve accommodation bases are monitored by a Watching Brief Archaeologist.

Crynodeb Annhechnegol

Ym mis Mehefin 2019, comisiynwyd Archeoleg Cymru gan Bourne Leisure Ltd i gynnal Asesiad Desg Archeolegol ac Ymweliad Safle i bennu potensial archeolegol y tir ym mharc gwyliau Hafan Y Môr, Pwllheli, sydd wedi'i ganoli ar SH 43436 36685. Fe'i paratowyd i gydymffurfio ag Amod 9 cyfeirnod Cynllunio Rhif C10D/0141/40/LL.

Ni fydd y datblygiad arfaethedig yn effeithio'n uniongyrchol neu'n anuniongyrchol ar unrhyw dirwedd hanesyddol, ardal gadwraeth, parc a gardd hanesyddol, heneb gofrestredig, neu adeilad rhestredig.

Lleolir safle'r datblygiad arfaethedig o fewn safle archeolegol HMS Glandower a gweryll gwyliau Butlins (PRN 7248, 74912). Tynnir sylw at botensial cyffredinol ar gyfer gweddillion archeolegol modern. Nid oes unrhyw safleoedd newydd wedi'u cofnodi yn yr ardal ddatblygu arfaethedig yn ystod yr asesiad. Mae'r safle datblygu arfaethedig wedi bod yn gaeau agored hyd at y 1940au pan ddaeth yn sail i wersylloedd Butlins/Glandower. Mae wedi cael ei ddefnyddio yn y cyfnod modern fel cae chwarae a thrac cart, gyda chyn lleied â phosibl o effaith ar yr adnodd archeolegol posibl.

Argymhellir felly bod gwaith tirlunio yn defnyddio dull llenwi yn hytrach na thorri er mwyn osgoi tarfu ar weddillion archeolegol posibl. O ystyried presenoldeb gweddillion cynhanesyddol o fewn Hafan Y Môr ar ffurf darganfyddiadau ynysig, a phresenoldeb gweddillion Oes Efydd (e.e.. tomennu wedi'u llosgi) yn yr ardal chwilio, argymhellir y dylai'r holl waith daear sy'n gysylltiedig ag adeiladu'r deuddeg canolfan llety'n cael eu monitro gan Archeolegydd Briff Gwyllo.

1 Introduction

- 1.1 In June 2019, Archaeology Wales was commissioned by Bourne Leisure Ltd to carry out an Archaeological Desk Based Assessment and site visit to determine the archaeological potential of land at Hafan Y Môr Holiday Camp, Pwllheli, centred on SH 43436 36685 (Figure 1) to conform to Condition 9 of Planning Reference No. C10D/0141/40/LL. The latter states that:

‘No development shall be commenced on any parcel which is the subject of this permission until a desk-based study of the potential archaeological interest of each phase has been submitted to and approved in writing by the local planning authority. The desk based study shall identify any further investigation and/or observation that may be required during the course of construction work. Any archaeological mitigation work required as a result of such investigation and/or observation shall be carried out in accordance with details which shall be approved by the local planning authority beforehand’

- 1.2 The purpose of the Desk Based Assessment, which is detailed in the following report, is to provide Bourne Leisure Ltd with the information they have requested in respect of the proposed development, the requirements for which are set out in Planning Policy Wales (edition 10, 2018), Section 6.5 and Technical Advice Note (TAN) 24: The Historic Environment (2017). The work is to highlight and assess the impact upon standing and buried remains of potential archaeological interest and to ensure that they are fully investigated and recorded if they are disturbed or revealed as a result of subsequent activities associated with the proposed development.
- 1.3 The site is located on an area of open ground which is intended for the sitting of caravans, and will include the laying out of roads to service the caravans (see section 2).

2 Site Description and development plans

- 2.1 The area subjected to the study is located within Hafan Y Môr Holiday Park, and covers an area of grassed, open ground and driveway to the east of the lake. The site is bounded to the north and east by holiday accommodation, to the south by a carpark, and to the west by the lake.2.4 The site itself is located between 1.5m and 3m AOD.
- 2.2 The underlying geology is defined by the Dwyfach Formation, including sandstone formed during the Ordovician Period. The superficial soils are defined as glacial deposits formed during the Quaternary Period, containing diamicton, sand and gravel (BGS 2018).
- 2.3 This plot will be twelve accommodation bases, and will include the laying out of roads to service the accommodation.

3 Methodology

- 3.1 The primary objective of this Desk Based Assessment is to assess the impact of the development proposals on the historic environment. This will help inform future decision making, design solutions and potential mitigation strategies. The aim is to make full and effective use of existing information in establishing the archaeological significance of the site, to elucidate the presence or absence of archaeological material, its character, distribution, extent, condition and relative significance.
- 3.2 The work includes a comprehensive assessment of regional context within which the archaeological evidence rests and aims to highlight any relevant research issues within national and regional research frameworks.

3.3 This report provides information of sufficient detail to allow informed planning decisions to be made which can safeguard the archaeological resource. Preservation *in situ* has been advocated where at all possible, but where engineering or other factors could result in the loss of archaeological deposits, preservation by record has been recommended.

3.4 This assessment considers the following:

a) The nature, extent and degree of survival of archaeological sites, structures, deposits and landscapes within the study area through assessment of various readily available primary sources:

- Collation and assessment of all relevant information held in the regional HER within 1km radius of the proposed development site.
- Collation and assessment of the impact on all designated archaeological sites within 1km radius.
- Assessment of all available excavation reports and archives including unpublished and unprocessed material affecting the site and its setting.
- Assessment of aerial photographic (AP) and satellite imagery evidence.
- Assessment of archive records held at the County Archive.
- Records held by the developer e.g. bore-hole logs, geological/geomorphological information, aerial photographs, maps, plans, ztv data.
- Map regression analysis using all relevant cartographic sources e.g. all editions of the Ordnance Survey County Series, Tithe and early estate maps (as available).
- Place-name evidence.
- Historic documents (e.g. charters, registers, estate papers).

b) The significance of any remains in their context both regionally and nationally and in light of the findings of the Desk Based study.

3.5 In assessing the value of archaeological assets, and the potential impacts upon them by the proposed development, the terms and guidance used in the Design Manual for Roads and Bridges, Volume 11, Section 3 (Highways England 2007) has been utilised. Values are given as:

- Very High (World Heritage Sites and other sites of international importance);
- High (Scheduled Monuments, undesignated assets of schedulable quality, assets of National importance that can contribute significantly to acknowledged national research objectives);
- Medium (Designated or undesignated assets of Regional importance that contribute to regional research objectives);
- Low (assets of local importance, assets compromised by poor preservation or poor survival of contextual associations);
- Negligible (assets with little or no surviving archaeological interest);
- Unknown (the importance of the resource has not been ascertained).

The magnitude of the potential impact on the archaeological assets (which can be either positive or negative), is given as:

- Major (change to most or all key archaeological materials, such that the resource is totally altered; comprehensive changes to setting);
- Moderate (changes to many key archaeological materials, such that the resource is clearly modified; considerable changes to setting that affect the character of the asset);
- Minor (changes to key archaeological materials, such that the asset is slightly altered; slight changes to setting);
- Negligible (very minor changes to archaeological materials, or setting);
- No Change

3.6 This work conforms to the *Standard and Guidance for Archaeological Desk-Based Assessment, as produced by the Chartered Institute for Archaeologists (CIfA 2014)*.

4 Archaeological and Historical Background

4.1 Previous Archaeological Studies (see Appendix I)

- 4.1.1 A number of intrusive and non-intrusive works have been carried out within the search area. These works have been consulted with the aim of understanding the archaeological resource of the area. These works are summarised below.
- 4.1.2 In 1993, Gwynedd County Council Highways and Transport Department commissioned a programme of road improvements to the A497 (PRN 40168). A DBA was written by GAT to assess the impact of the development on the archaeological resource. The study highlighted the presence of prehistoric and medieval remains in the adjacent area (Mason 1993). This study was followed by a DBA in 1996 (PRN 40381) (Person 1996), and by a programme of work (evaluation, excavation and watching brief) carried out by GAT in 2007 (PRN 40572) (Berks et al 2007). Furthermore, an archaeological evaluation and watching brief were carried out by GAT in association with the pipeline diversion phase of the scheme (PRN 40677) (Berks et al 2006). This work was preceded by a programme of geophysics (PRN 41484), and two DBA's (PRNs 44082 and 44083).
- 4.1.3 In 1996, GAT produced a DBA (PRN 40322) – funded by Cadw – aimed at identifying and examine deserted rural settlements sites in Gwynedd. The study integrated the area selected for examination on the present report (Jones 1996).
- 4.1.4 In 1996, GAT produced a DBA and field survey (PRN 40325)– funded by Cadw – to assess and map the scale of erosion of the coastline of Gwynedd. A number of HER documented on the present report were examined as part of this initiative (e.g. PRN 2270) (Dutton et al 1996).
- 4.1.5 In 2005, GAT carried out a watching brief immediately north from the development area (PRN 40674). This work was carried out in advance of a waste water treatment works near Afon Wen, Chwilog. No archaeological activity was identified during the work (Berks and Roberts 2005). In 2005, GAT carried out an A497 Improvement Abererch to Llanystumdwy: Assessment of Potential for Post-Excavation Analysis (PRN 54798) (Berks and Roberts, 2005).
- 4.1.6 In 2007, GAT produced an archaeological assessment prior the development of an extensions at Glanllynau Farm, Chwilog (PRN 40739). The extension was located immediately east from Tomen Fawr (Roberts 2007). This was followed by an archaeological evaluation within the development bounds in 2008 (PRN 40740) (Evans 2008).

- 4.1.7 In 2010, Bangor University carried out a project on the Early Celtic Societies in North Wales (PRN 44557). This culminated with the publication of a book (see Waddington 2013).
- 4.1.8 GAT carried out a study of medieval and post-medieval agricultural and subsistence settings located in North Wales (PRN 44846). This study was materialised with a DBA (Kenny 2014).
- 4.1.9 The HER documents a number of thematic field observations associated with hut settlement surveys (PRN 40782), deserted rural settlements (PRN 40835 and 43434).
- 4.1.10 A number of archaeological interventions are documented in the HER in relation to a pipeline replacement. This include a DBA (PRN 45076) (RSK 2010), a watching brief and excavation (PRNs 44869 and 44870) (Kenney 2012) and a geophysical survey (PRN 45310).
- 4.1.11 In 2012, GAT carried out a study of the impact of climate change on heritage assets located at the seafront (PRN 44886) (Parry 2012). A number of PRNs presented on this report were examined during this project.
- 4.1.12 A DBA was produced in 2012 by GAT as part of a scheduling enhancement programme funded by Cadw, with regards to Medieval and post-medieval mills (PRN 45048) (Evans et al 2012).
- 4.1.13 A geophysical survey as well as an archaeological evaluation was carried out by Wardell Armstrong in 2015 in Chwilog (PRN 45081 and 45283) (Raiton 2015; McElligott 2015).
- 4.1.14 GAT produced two DBAs in relation to the lying of a waste water pipe at Afon Wen (PRNs 54777-78).
- 4.1.15 LP Archaeology carried out five phases of archaeological work at Hafan Y Môr (PRN 45327). These works revealed a number of archaeological features and finds dating from prehistoric times to post-medieval chronologies (Rees et al 2013).

4.2 The Historic Landscape (Figures 3-4)

- 4.2.1 The proposed development site does not lie within a registered Historic Landscape, neither does any registered landscape lie within 1km of the site. The closest registered Historic Landscape is the Lleyn and Bardsey Island – HLW (Gw) 8 (Cadw et al 1998), the boundary of which lies approximately 5km to the west of the proposed development area.
- 4.2.2 The proposed development site does not lie within any Conservation Areas, nor do any lie within the 1km study area. The closest conservation area is located 4.5km NW of the proposed development. This is Llanystymdwy – WAL/GWYN/21.
- 4.2.3 The site does not lie within any registered Historic Parks & Gardens, nor do any lie within 1km of the proposed development site. The closest Historic Park and Garden is Brom Hall – GD22 – located 2.2km ENE of the proposed development.
- 4.2.4 The site lies within the Landmap Historic Landscape of Butlin’s Camp (GWDDHL015). Landmap areas are not designated landscapes, but contain objective and subjective information designed to enable landscape quality to be considered in decision making. Butlin’s Camp historic landscape covers 229 acres of land. This area began its life during the WW2 as HMS Glendower naval training base. Remains of emplacements, target ranges etc are mostly located at Pen Y Chain promontory and it is nowadays an area of holiday development adjacent to the coast. Butlin’s Holiday Camp opened at the site of HMS Glendower in 1947. In 1998 the site became Hafan Y Môr, a family holiday camp with chalets, caravans and log cabins.

4.3 Scheduled Ancient Monuments (Figure 5)

- 4.3.1 There are no Scheduled Ancient Monuments (SAM) within the boundary of the proposed development site, or within the applied search area.
- 4.3.2 The closest (SAM) is the medieval ringwork of Tomen Fawr (CN 031), located approximately 2.1km NE from the development site. Tomen Fawr is defined as a ring motte situated on the edge of a clay drift 400m from the sea. While no obvious archaeological features are identified within it, a number of anomalies are documented to the south side of the ringwork (Pettifer 2000).
- 4.3.3 An enclosed hut group (CN 279) lies c. 5km WNW from the development area.

4.4 Listed Buildings (Figure 6)

- 4.4.1 There are no listed buildings within the proposed development area, and six listed buildings within the search radius around the site.
- 4.4.2 Penychain farmhouse is a Grade II listed building located 0.9km SW of the assessment area. The farmhouse (LB 21337), the south range of farm building (LB 21338), the north farm range (LB 21339), the stables and granary (LB 21340), the piggery (LB 21341), the farm outbuilding (LB 21342) and the farm outbuilding (LB 21342) are also listed. The farm complex was built by the Glynllifon Estate in the mid-19th century as a model farm (NPRN 16714).

4.5 Known Archaeological Remains and Historical Development (Figure 7; Appendix III)

- 4.5.1 There are no sites listed on the HER within the development area. 56 sites within the study area.
- 4.5.2 There are six sites listed on the National Monuments Record (NMR) maintained by the Royal Commission of Ancient and Historical Monuments Wales (RCAHMW) within the same search area.
- 4.5.3 There are seven findspots in the Portable Antiquities Scheme database (www.finds.org.uk) within the wider search area.
- 4.5.4 The recorded archaeological sites are briefly described below, according to period, where they are incorporated into a summary of the historical development of the area.

Prehistoric: Palaeolithic (c.450,000 – 10,000 BC), Mesolithic (c.10,000 – 4400 BC), Neolithic (4400 BC – 2300 BC), Bronze Age (2300 BC – 700 BC) & Iron Age (700 BC – AD 43)

- 4.5.5 The HER records three entries of possible prehistoric date, associated with the remains of burnt mounds and associated features. The closest one to the site is a collection of flint flakes found during development at Hafan Y Môr (PRN 74576) (Rees et al 2013).
- 4.5.6 A pit of unknown date (PRN 34083) was revealed east of Tyddyn Y Berth associated with heat shattered stones and charcoal. This pit contained no dating material though it was tentatively interpreted as the remains of a burnt mound through. This find was located 700m NE of the proposed development area (Kenney 2013).

- 4.5.8 A possible burnt mound (PRN 31151) located 450m NW of the development area was revealed during a geophysical survey. An archaeological evaluation in the area revealed the remains of 2 linear features, a linear spread of stones and three pits containing burnt stone. The remains of a burnt mound were not revealed, though it was noted that the ploughsoil was very shallow and, therefore, the burnt mound may have been destroyed by later activity (Berks and Rob 2005).
- 4.5.9 A number of sites/findspots of prehistoric date have also been found outside the search area. These are described below as they are considered of significance to infer the archaeological potential of the site:
- Just outside the 1km search area three rectangular pits (PRN 34084-5) tentatively interpreted as burnt mound troughs were located. These pits contained heat cracked stones and charcoal (Kenney 2013).
 - A number of Mesolithic findspots have been found throughout the coast of Gwynedd. Furthermore, several old ground surfaces were identified during a test pitting initiative by GAT in 2011, dating to the Mesolithic (GAT 2011; Rees 2013).
 - Neolithic activity in the immediate area is also documented. A polished axe was found at Chwilog (PRN 5761) and a Neolithic tomb located more than 4km NW of the site (Heath 2006; Rees 2013).
 - A Bronze Age funerary site was identified during excavations more than 1km E of the development area (Berks et al 2007), as well as domestic evidence (PRN 31147).

Roman (AD 43 – c. AD 410)

- 4.5.10 There is one recorded site of Roman date within the search area around the proposed development.
- 4.5.11 A Romano-British hut circle (PRN 5732) was revealed during the work associated with a gas pipeline (GAT 1996). This find is located 700m NW from the development area.

Early Medieval (c. AD 410 – AD 1086) & Medieval (1086 – 1536)

- 4.5.12 During medieval times Pwllheli and Criccieth developed as important towns, to the point that Pwllheli took over from Caernarfon as the regional administrative centre in the 1230s and Criccieth was granted a charter in 1355 (Senior 2006; Rees 2013). Furthermore, documentary evidence records the presence of a medieval township (Pen-y-chain PRN 7344), which may be identified with earthworks.
- 4.5.13 One medieval mill (PRN 29705; NPRN 411545) has been recorded through desk-based studies on the western bank of the Afon Wen (Kenney 2004; RSK 2010), within the 1km study area.

Post-Medieval (1536 – 1899)

- 4.5.14 A number of archaeological features of post-medieval date have been revealed during archaeological interventions within the search area. A post-medieval ditch, enclosure, boundary banks, and a square built structure were located adjacent to the proposed

development area at Hafan Y Môr during LP Archaeology's interventions in 2013 (PRNs 74566 and 74561-3, 74570) (Rees et al 2013); post-medieval drainage and track were located during a trenching evaluation at Brynbachan in 2005 (PRN 31152, 31120) (Berks et al 2005); a post-medieval hedge-bank boundary was located during mitigation to the north-east of the proposed development site (PRNs 37853) (Kenney 2013); a ford was revealed during clearance activities (PRN 35033) (Berks et al 2007); and post-medieval field boundaries (PRN 19696).

4.5.15 A number of DBA's have been produced associated with developments carried out within the search area. These works have documented a number of post-medieval features in maps and other documentary sources. These include a post-medieval boundary (PRN 29702) (Kenney 2004); a railway station (PRN 31094; NPRN 41444) (RSK 2010); a post-medieval bridge (PRN 31124) (GAT 1996); two railway embankments (PRNs 29704 and 31121); a pond (PRN 56896); a post-medieval farm known from maps (PRN 68501) (RSK 2010) a post-medieval road (PRN 19695) (Kenney 2004); field boundaries (PRN 19697, PRN 37852) (Kenney 2004), and a miniature railway (PRN 31542) (Parry 2012).

4.5.16 A number of structures of post-medieval chronologies are documented within the search area, including: a chapel dating to the 1850s (PRN 31118, NPRN 6684); dwellings (PRNs 31122-3, 31119).

Modern (1900 – present day)

4.5.17 The majority of PRNs of modern chronologies refer to the HMS Glandower and Butlin's Holiday Camp. PRN 7248, 74912 document Butlin's Camp at Pen Y Chain. The latter was constructed by Billy Butlin in 1938. The site was used during the WWII to house 100 officers and 5000 sailors. In 1945 was reopened as a holiday camp (Jones 1995). In 1998, the site was upgraded to Hafan Y Môr. Remains of the earlier days are documented (e.g. miniature railway PRN 31542). Furthermore, the works carried out by LP Archaeology in Parcel 5 at Hafan Y Môr revealed a number of features thought to document WWII activities in the area. However, these features were not excavated and therefore it is not possible to certify their date (PRN 74567; NRPN 401382) (Rees et al 2013).

4.5.18 The HER also documents the remains of an old sewage plant located over 750m NE of the development (PRN 71178).

Unknown date

4.5.19 A number of features of unknown function/date are documented on the HER, including a fish trap observed during a site visit by GAT in 2000 (PRN 6788; NPRN 408622), the remains of two fords associated with Afon Wen (PRNs 71174 and 59624), a natural feature (PRN 2270), unknown earthworks (PRN 29701 and 5733) and a number of ditches and field boundaries recovered during archaeological works (PRNs 29703, 74564-5 and 68538-9).

4.5.20 Undated pits were located adjacent to the proposed development area at Hafan Y Môr during LP Archaeology's interventions in 2013 (PRNs 74563 and 74571) (Rees et al 2013).

Finds documented – Portable Antiquities Scheme

4.5.20 Seven finds are documented within the search area.

- 4.5.20 Evidence for prehistoric activity is limited to a documented flint flake - GAT-D76797, and an Iron Age spindle whorl - GAT-1453F4. The latter is described as a lead spindle whorl with rounded profile and sub-elliptical, straight-sided perforation.
- 4.5.21 A pin and a spindle whorl of Roman date are documented within the search area - WMID-BB4A85 and WMID-69EA05. The former is described as an incomplete cast copper alloy probable pin, dating from the Roman - Post Medieval period, between AD 43 ? 1800. The latter is an incomplete and probable stone spindle whorl, probably dating from the Roman-Medieval period, between AD 43 ? 1540.
- 4.5.22 Three finds of medieval chronologies are documented within the search area: a cast copper alloy fragment of a possible mount - WMID-5843D3, a complete cast lead spindle whorl - WMID-5808F4, and an incomplete cast copper alloy cooking vessel or cauldron leg - WMID-44A9C4.

5 Map Regression

5.1 *Tithe map of the Parish of Llanarmon, Carnavonshire 1839. Figure 8*

- 5.1.1 The development area, which does not respect previous boundaries, falls across three fields: 972, 973, 944. In 1839, these fields were owned by Lord Newborough, and were occupied by William Jones. Field 972 was named Waen and used as pasture. Field 973 was named Weirglodd Coed (translated to English as Meadow Trees) and used for arable. Field 944 was named Weirglodd y ffynnon (translated to English as The Spring Meadow) and used as meadow. Fields surrounding the development area were, for the most part, arable, however, there are a few meadows represented. No roads or standing structures are depicted in the immediacies of fields 972, 973 or 944.

5.2 *Ordnance Survey County Series 1st Edition 1889, Caernarvonshire 1.2500. Figure 9*

- 5.2.1 The development area as well as the area nowadays occupied by Hafan Y Môr are defined by large fields bounded by the seafront to the east and by the Cambrian Railway Coast Section line (PRN 68477). The latter was opened in 1867 and removed in 1968.
- 5.2.2 Tomen Fawr is depicted to the north-east of the development area. The latter was classified by GAT in 1996 as natural feature (see Dutton et al 1996).
- 5.2.3 The OS County Series of 1900 and 1917-18 (1.2500) do not depict any changes from that of 1889 (Figures 10-11)

5.3 *OS map 1.25000 1978. Figure 12*

- 5.3.1 The development area is shown within the holiday camp, with the road crossing the site on a north-east to south-west alignment, leading to rows of accommodation. The northern part of the site is open ground adjacent to the lake, while the southern area has a number of internal boundaries and a large building spanning across the southern boundary. Land to the east is defined by a sewage farm.

5.5 *Contemporary OS map*

- 5.5.1 The contemporary OS map evidences areas of hardstanding on the northern site area, which appear to be a recreational track with small building on the eastern boundary, located during the site visit. The southern site area is marked as a playground, which the site visit confirmed is no longer extant.

6 Aerial Photographs and Lidar

6.1 Aerial Photos

- 6.1.1 As part of this study photographs taken by the RAF in the mid-1940s and 1960s have been examined, along with vertical photographs from the 1970s, 1980s and early 1990s, as well as modern satellite imagery from 2006 to the present day.

RAF 4535 106 GUK 664 3213 (Plates 16-17)

- 6.1.2 This image from 1945 documents the area nowadays occupied by Hafan Y Môr which was occupied by HMS Glendower naval training base, at this time. HMS Glendower naval training base is seen from this photograph to be occupied by the main concentration of buildings with a large enclosed rectangular space to the east (within the red rectangle). No details of this space were gathered during the observation of these photographs given the scale at which they were taken and the underexposure of the photographs. The proposed development site is located within this area, with a track crossing it on a north-east to south-west alignment, and it is already bounded to the north-west by the railway line. The track crossing the site is in the same location as the present-day road seen during the site visit.

7040 OS 70 006 IR 037 (Plate 18)

- 6.1.3 While this photograph is overexposed, it provides with some detail concerning the site and its surroundings. At this point, in 1970, the area has become Butlin's Holiday Park. Within it, the main compounds seem to have been reused, however, the area has been developed with the addition of a lake. The proposed development site is seen as open ground to the north-east of the lake, with further holiday camp buildings now constructed in the southern site area.

BKS 7820 2893050 (Plate 19)

- 6.1.4 This photograph offers views of the site in 1978. No substantial differences are observed from 1970.

2018 Google Image (Plate 20)

- 6.1.5 The aerial image from 2018 evidences areas of hardstanding on the north eastern site area, which appear to be a recreational track with small building on the eastern boundary, located during the site visit. The southern site area is marked as a playground, which the site visit confirmed is no longer extant.

6.2 Lidar (Figure 13-14)

- 6.2.1 Lidar DTM and DSM images at 1m resolution are available for the site.
- 6.2.2 Both DTM and DSM data show no archaeological features within the development area. Internal divisions and buildings of the holiday park are evident, as well as trees and scrub.

There is one anomaly to the immediate north-east of the lake which is likely associated with lake construction and landscaping works.

7 Site Visit (Plates 1- 15)

- 7.1 A site visit was undertaken on the 27th June 2019. Conditions were sunny, with good visibility. The full extent of the proposed development area was examined, as was the surrounding landscape as far as it was reasonably accessible.
- 7.2 The area was walked clockwise starting from the SW corner of the site and subsequently zig-zagged to inspect the centre of the field.
- 7.3 Plate 1. The southern site area is a tarmac yard area, used as unofficial parking. The hedged boundary between this yard and the official car park for guests runs on a north-west to south-east alignment.
- 7.4 Plates 2-3. The northern area of the lake is a landscaped pedestrian area, with hardstanding and grass.
- 7.5 Plates 4-8. North-west of the lake is a mud track, and beyond this mixed mature trees and the metal boundary railings of the railway line, which is the north-western site boundary.
- 7.6 Plates 9-10. The interior of the site in the northern area is degraded hardstanding and scrub, with a road leading to the staff accommodation. Street lighting and covers for other services were visible.
- 7.7 Plates 11-13. On the eastern site boundary is a yard and shed, with remains of tracks and abandoned pedal karts. This area was once a recreational track.
- 7.8 Plates 14-15. The southern site area is a tarmac yard, with hedging and the official carpark to the south-east.
- 7.9 No archaeological features were evident at the proposed development site.

Views towards assets

- 7.11 Plates 4-8 and 12 demonstrate that the line of trees and railway that make the NW boundary of the site will block any views towards and from assets documented within 1km search area.
- 7.12 HER 5732 corresponds to a possible Romano-British hut circle no longer visible on the ground. HER 74562 documents a WW2 small rectangular structure located within the bounds of Hafan Y Môr. These assets are located directly north and north-west from the development, however they will not be visually affected by the development given the existing railway and mature trees demarcating the north-western boundary of the site.
- 7.13 Likewise, no views exist from the site to any assets located to the north-east or south, (Plates 9-11) due to the mature trees and present buildings of the holiday camp that surround this site, which is infill. Most of them (HER 74562-6; 31151 and) are negative features encountered during archaeological works in the adjacent area. HER 68477 corresponds to the Cambrian railway line. The latter is not visible from the site due to the vegetation and the topography of the site.

8 Impact Assessment

8.1 Assessment of Archaeological Potential and Importance

- 8.1.1 This study has highlighted that prehistoric activity has been found throughout the coastline of Gwynedd. Furthermore, LP Archaeology works at Hafan Y Môr have revealed flint assemblages of probable Neolithic date. A number of burnt mounds have been located to the north and west of the development; frequent features in coastal landscapes. It is therefore possible to note that there is a general negligible to moderate potential for prehistoric activity to be revealed during groundworks within the development area.
- 8.1.2 The proposed development area is located within the grounds of the archaeological sites of HMS Glandower and Butlin's Holiday Camp (PRN 7248, 74912). The latter was constructed by Billy Butlin in 1938. The site was used during the WWII to house 100 officers and 5000 sailors. In 1945 was reopened as a holiday camp.
- 8.1.3 Grounds of HMS Glandower extended to the east of the holiday camp buildings, with a large rectangular enclosed area observed in aerial photographs of 1945. Again, due to the low resolution of the image, it was not possible to infer the function of the feature. The latter is documented on the HER and it forms part of Bultin's Camp Landmap Historic Landscape (GWDDHL015). This area, where the proposed development site is located, may therefore be consider of Medium to Low archaeological value.

8.2 Previous Impacts

- 8.2.1 An examination of aerial photographs and cartographic sources demonstrate that up until the construction of the holiday park in 1938, the proposed development site was open fields. It is in the grounds of the holiday park and in the area of the WW2 naval base. The western site area is likely to have been impacted by the construction of the lake, with associated landscaping, prior to 1978. In modern times and up until 2018 the site was used as a playground and peddle cart track, with limited associated landscaping and hardstanding. Previous impacts on the majority of the development area would therefore appear to be minimal, especially in the northern site area, suggesting good preservation of the potential archaeological resource.

8.3 Potential Impacts of the Proposed Development

- 8.3.1 The plot will be for static caravans, and will include the laying out of roads to service the caravans. Figure 2 notes that groundworks will be mainly within the central and northern site areas. Any of the following activities associated with the proposed development could therefore expose, damage or destroy archaeological remains:
- Landscaping and terracing works;
 - Surface stripping and levelling;
 - Construction of infrastructure
 - Service installation;
 - Any other ground disturbing works

Historic Landscapes

- 8.3.1 The proposed development site does not lie within a registered Historic Landscape, neither does any registered landscape lie within 1km of the site. The proposed development site does not lie within any Conservation Areas, nor do any lie within the 1km study area. The site does not lie within any registered Historic Parks & Gardens, nor do any lie within 1km of the proposed development site.
- 8.3.2 No registered Historic Landscape, Conservation Area or Historic Park & Garden will be directly or indirectly affected by the proposed development.
- 8.3.3 The site lies within the Landmap Historic Landscape of Butlin's Camp (GWDDHL015). Evidence for WW2 remains of remains associated with Butlin's Holiday Park may be encountered during groundworks of the proposed development. However, it is worth noting that ground disturbing works will be located in an area devoid of evidence for structures of post-medieval and modern chronologies.

Scheduled Ancient Monuments

- 8.3.7 No Scheduled Ancient Monument (SAM) will be directly affected by the proposed development. No SAMs will be indirectly (visually) affected by the proposed development.

Listed Buildings

- 8.3.8 No listed buildings will be directly or indirectly affected by the proposed development. There are no listed buildings within the proposed development area, or within the search radius around the site.
- 8.3.9 Penychain farmhouse is a Grade II listed building located 1.07km SW of the assessment area. The farm complex was built by the Glynllifon Estate in the mid-19th century as a model farm. There is no visual connection between the asset and the site.

Non-designated Archaeological Sites

- 8.3.10 The proposed development area is located within the grounds of the archaeological sites of HMS Glandower and Butlin's Holiday Camp (PRN 7248, 74912). The proposed development site appeared as open ground on aerial photographs during the 1940's, and therefore it is thought that no non-designated archaeological sites will be directly or indirectly affected by the proposed development.

9 Conclusions

9.1 *Impacts on Designated Assets*

- 9.1.1 No Registered Historic Landscape, Conservation Areas or Historic Park & Garden will be directly or indirectly affected by the proposed development.
- 9.1.2 No Scheduled Ancient Monument will be directly or indirectly affected by the proposed development.
- 9.1.3 No Listed Building will be directly or indirectly affected by the proposed development.

9.2 *Impacts on Non-designated Assets*

- 9.2.1 The proposed development area is located within the grounds of the archaeological sites of HMS Glandower and Butlin's Holiday Camp (PRN 7248, 74912). A general potential for modern archaeological remains is highlighted, which would be of Low (Local) to Medium (Regional) value. No new sites have been identified during the course of the assessment. The proposed development would have a Minor impact on the known modern archaeological remains of HMS Glandower and Butlin's Holiday Camp.
- 9.2.2 A general potential for Prehistoric remains is highlighted. Potential Prehistoric remains are considered to be of Medium (Regional) archaeological value.

9.3 *Mitigation*

- 9.3.1 In order to ensure that identified archaeological sites remain unaffected by the proposed development, it is recommended that landscape works proceed using a fill rather than cut method.
- 9.3.2 A study of the known archaeological remains existing in the surrounding area, highlights the potential that undisturbed regions have, to reveal archaeological remains of possible prehistoric and modern origin. It is therefore recommended that a Watching Brief archaeologist monitors all groundworks associated with the development.

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Maps

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Ordnance Survey County Series 1st Edition 1889, Caernarvonshire 1.2500

Ordnance Survey County Series of 1917-18 (1.2500)

Bartholomew Half Inch 1897-1907

Ordnance Survey map 1.25000 1937-61

Ordnance Survey 1978 Caernarvonshire 1.2500

Aerial photographs

SORTIE	DATE	SCALE	ORGANISATION
106G UK 664	14/8/45	1.10200	RAF
58 RAF 9690	12/6/69	VARIOUS	RAF
OS 70006	19/3/70	1.15000	OS
OS 72 242	16/7/72	1.24000	OS
OS 74 163	22/6/74	1.75000	OS
BKS	09/8/78	1.10000	BKS
1 PRU RAF 0740	08/5/85	1.20000	RAF
MAFF 368	05/4/88	1.12000	MAFF
ADAS 0491	08/5/91	1.11000	ADAS
RAF 6152	04/5/93	1.27000	RAF
OS 95/587	25/6/95	1.16000	OS

Archaeology
Wales

APPENDIX I:
Figures



Ordnance Survey © Crown Copyright 2015. All rights reserved. Licence number 100022432



— Location of site

Figure 1
Location map

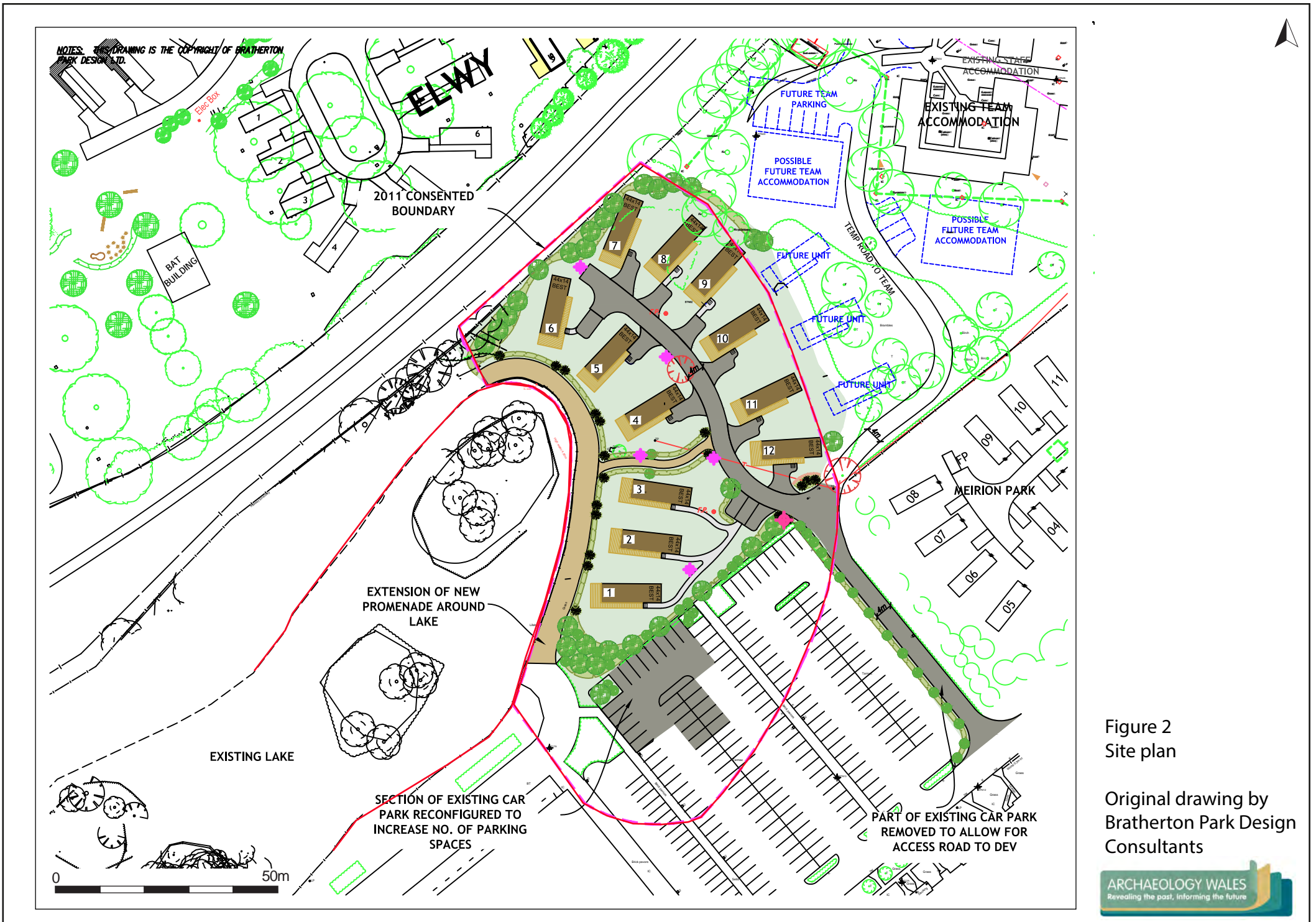


Figure 2
Site plan

Original drawing by
Bratherton Park Design
Consultants

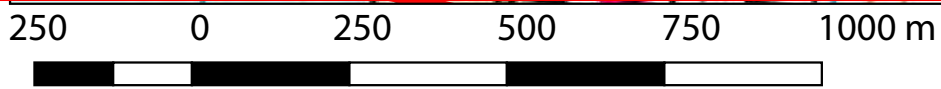


Figure 3. Historic Landscape Characterisation.

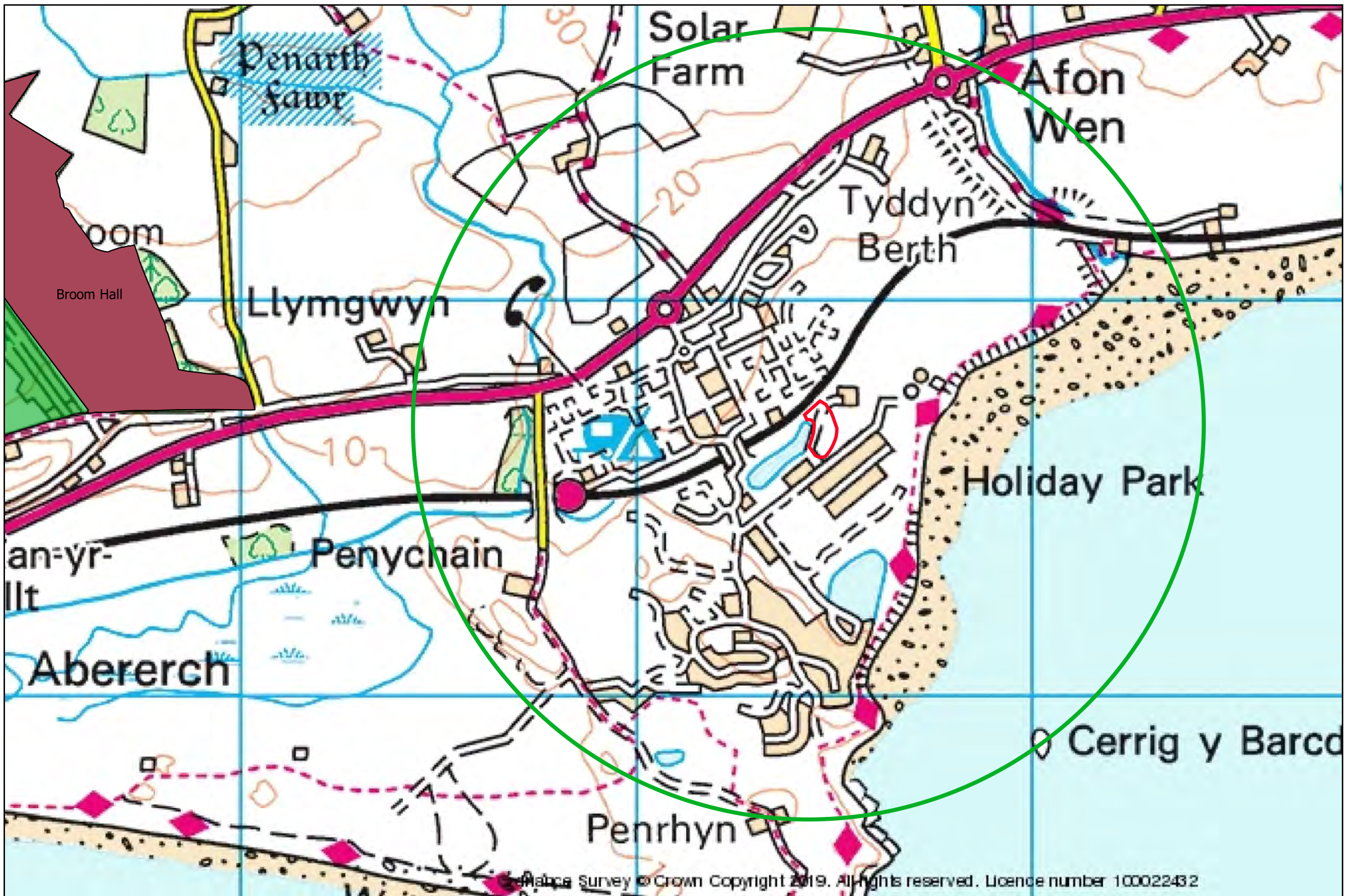


Figure 4. Listed Parks and Gardens

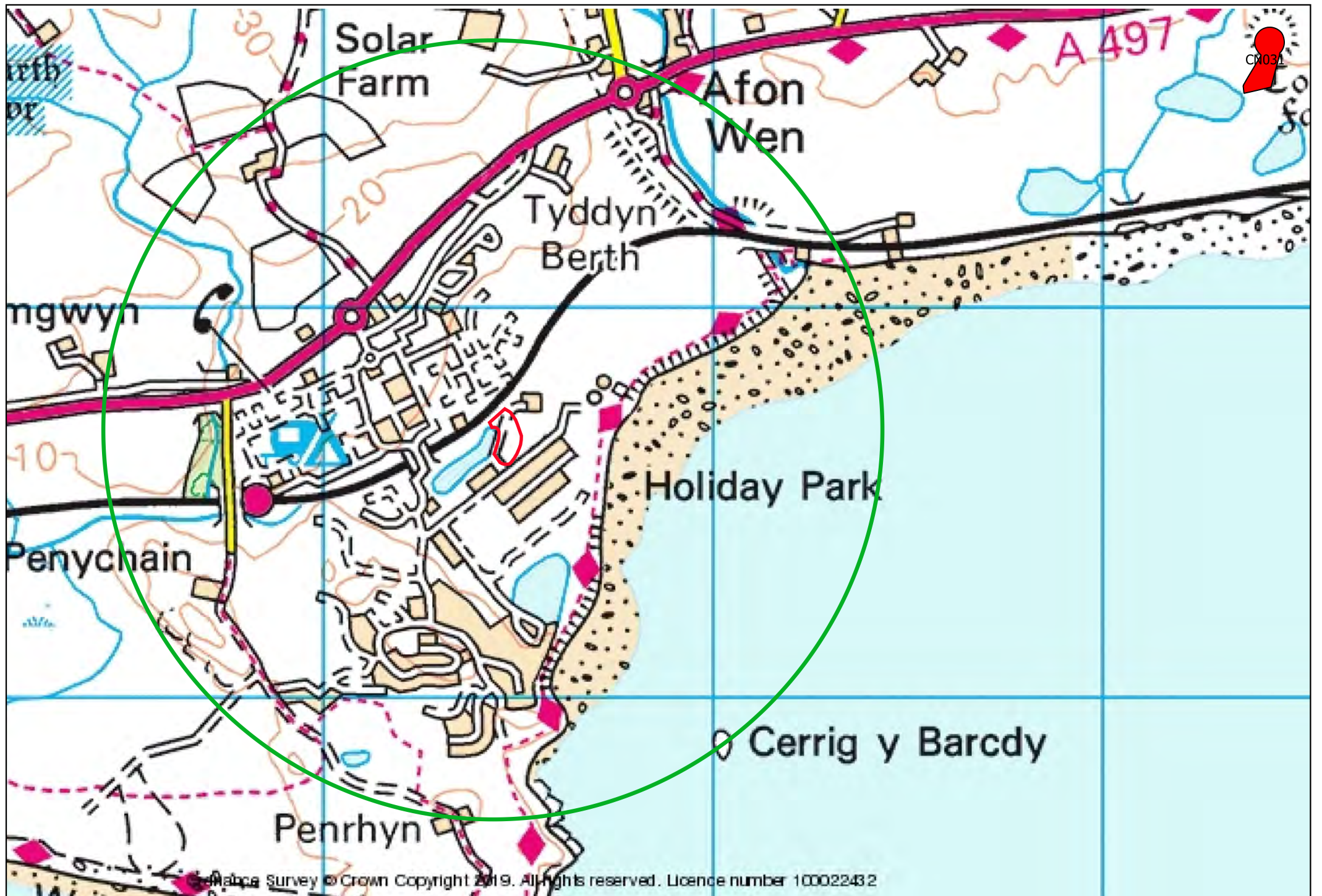


Figure 5. Scheduled Monuments

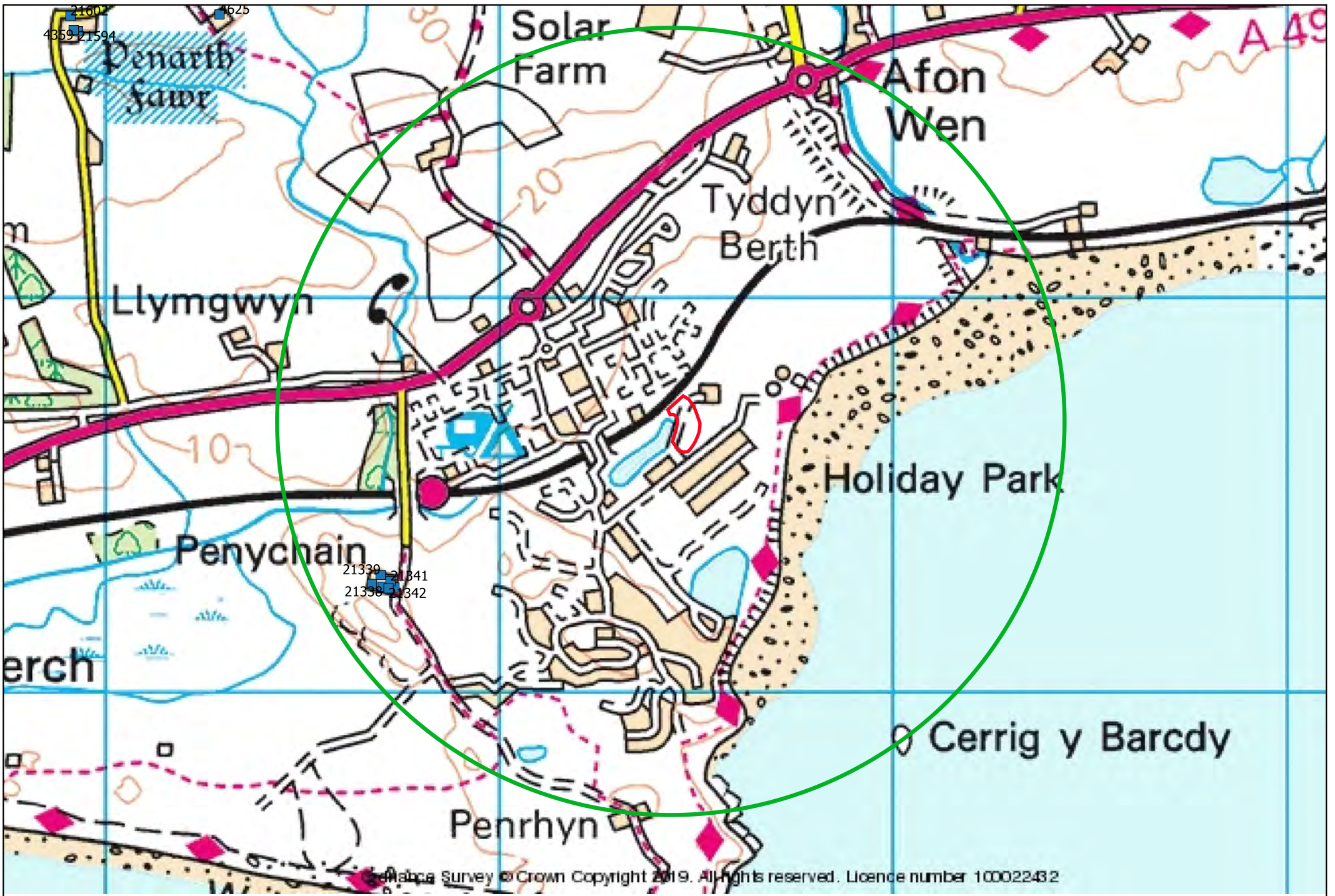


Figure 6. Listed Buildings

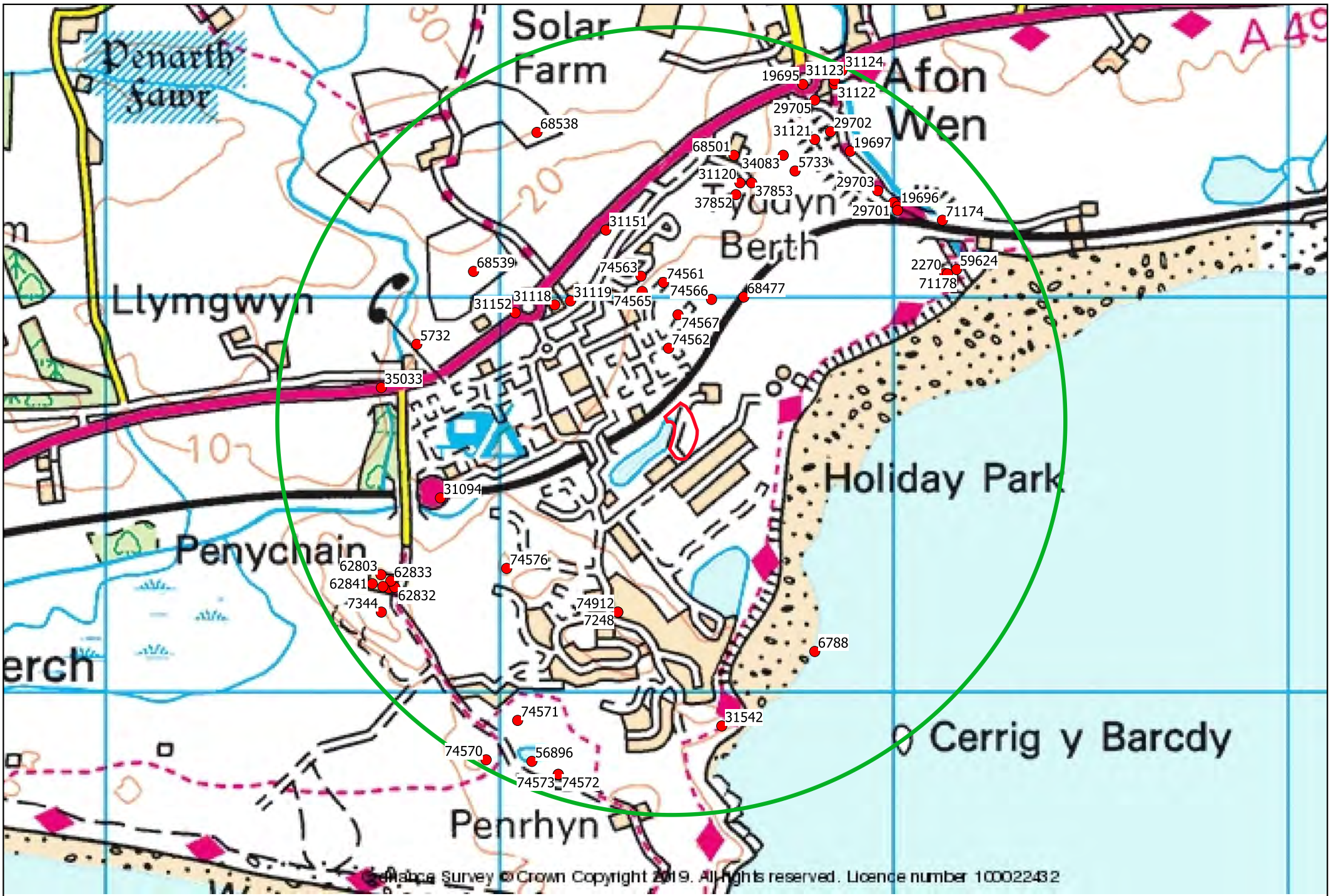


Figure 7. HER data

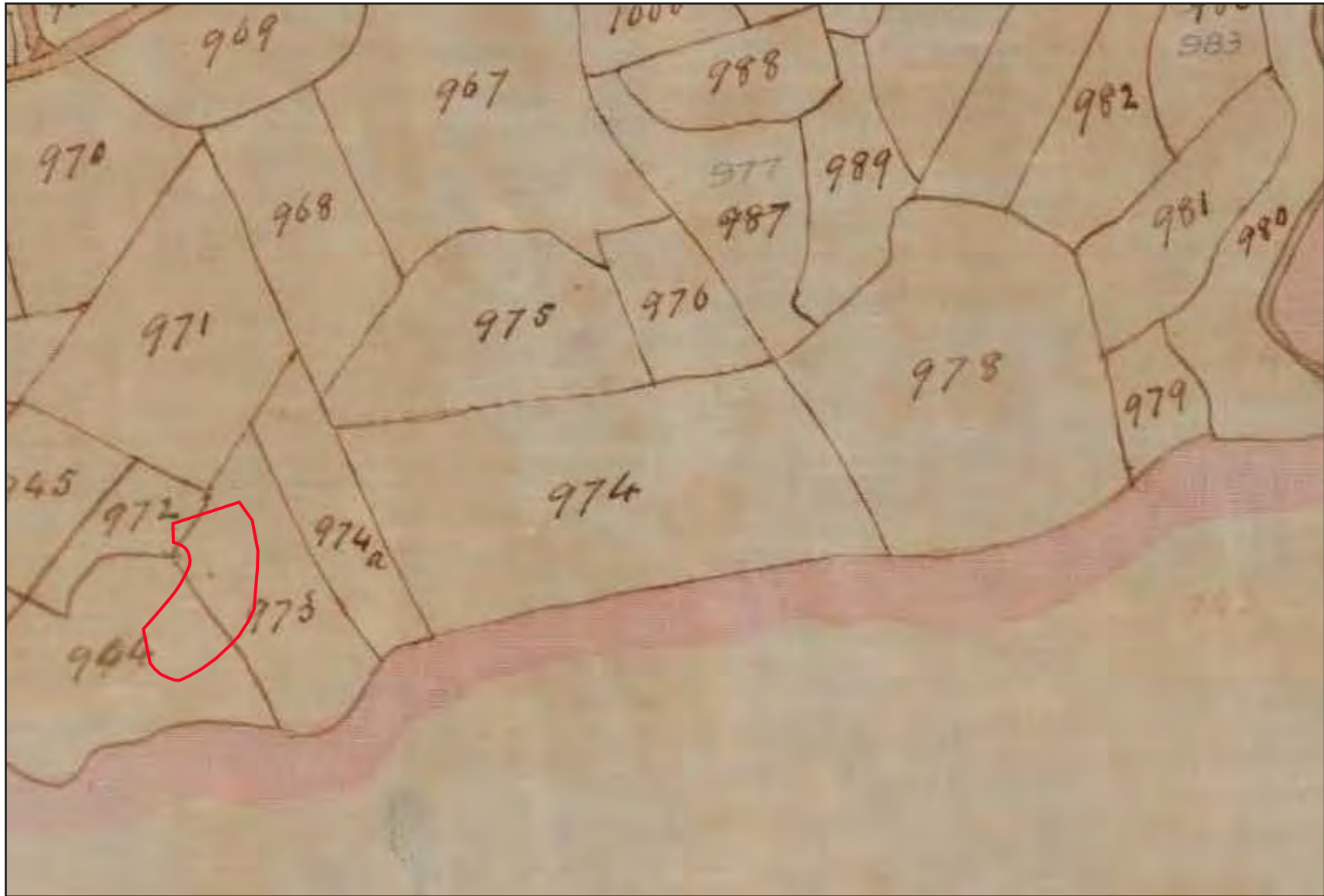
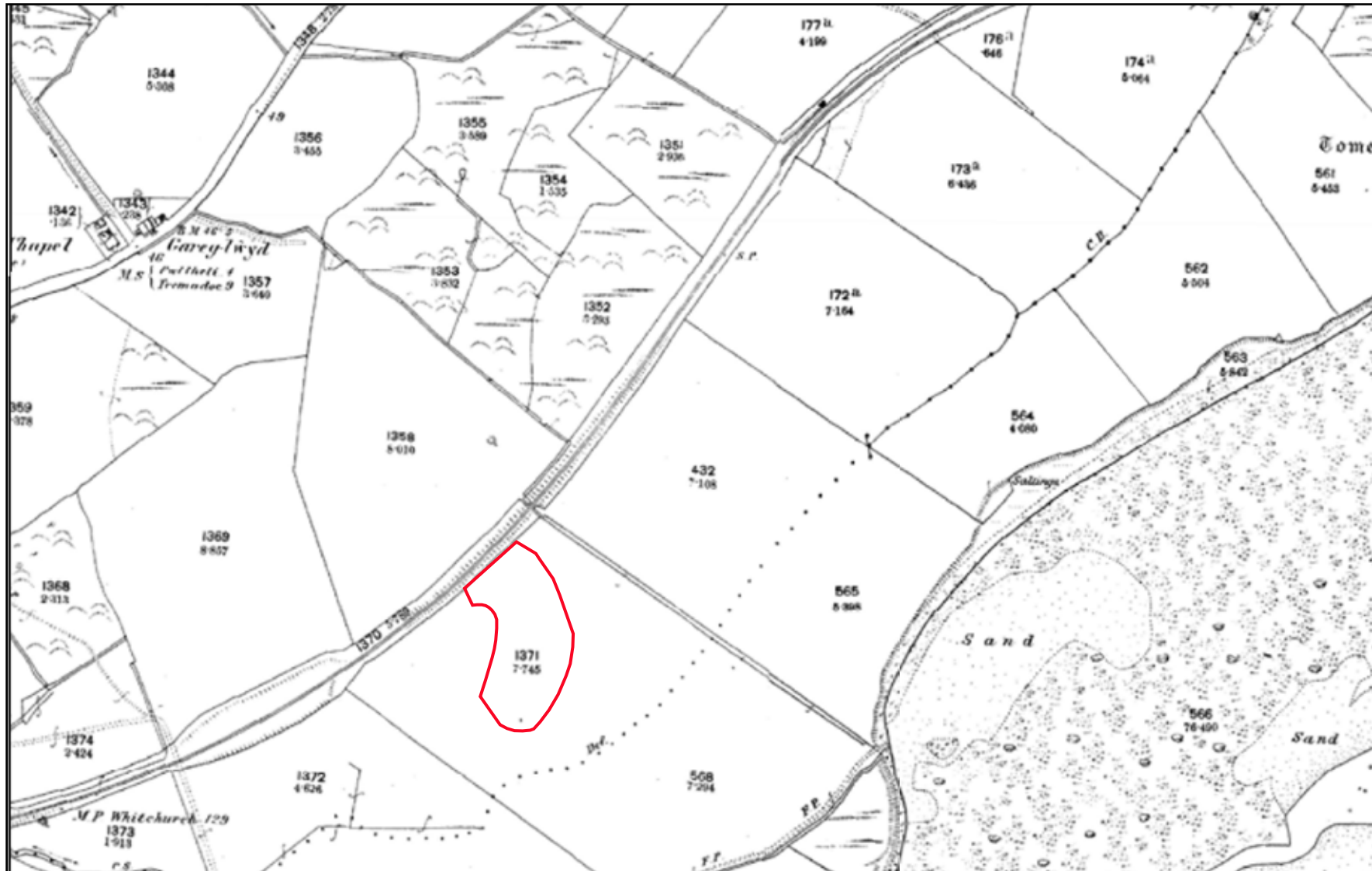


Figure 8. Tithe map of the Parish of Llanarmon, Carnavonshire 1839.



0 200m

Figure 9. OS County Series 1889 Caernarvonshire 1:2500.

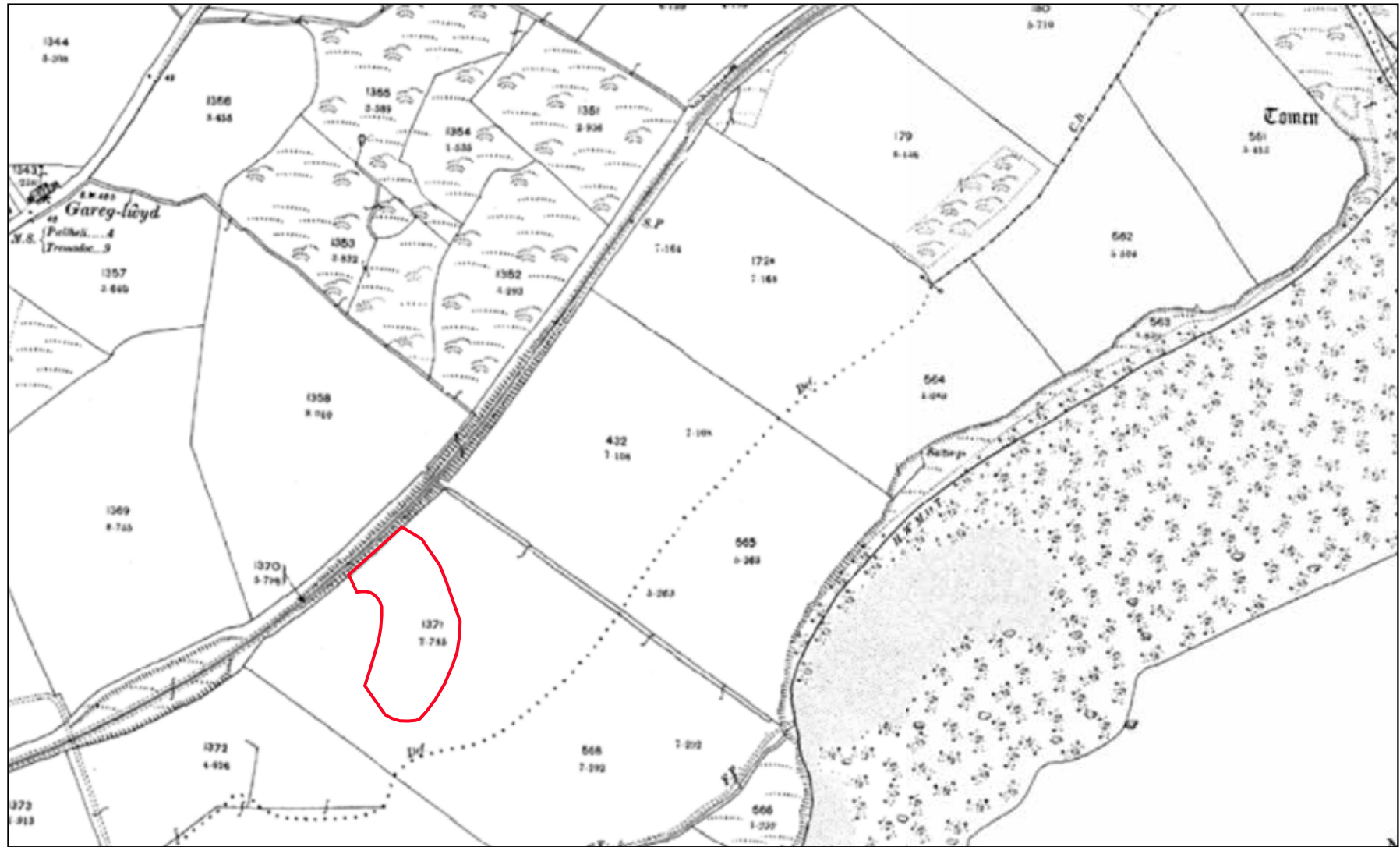


Figure 10. OS County Series 1900 Caernarvonshire 1:2500.

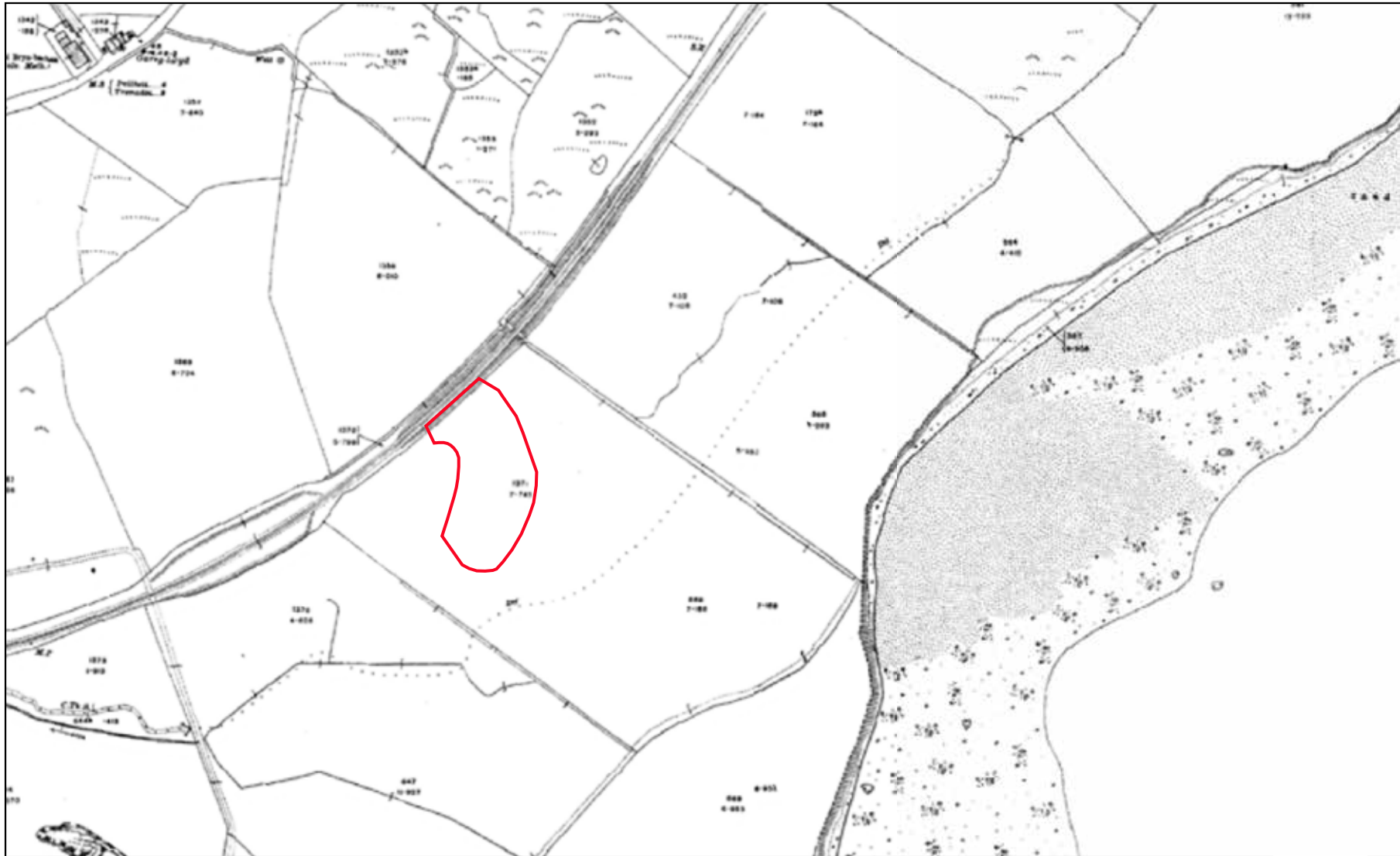


Figure 11. OS County Series 1917-18 Caernarvonshire 1.2500.

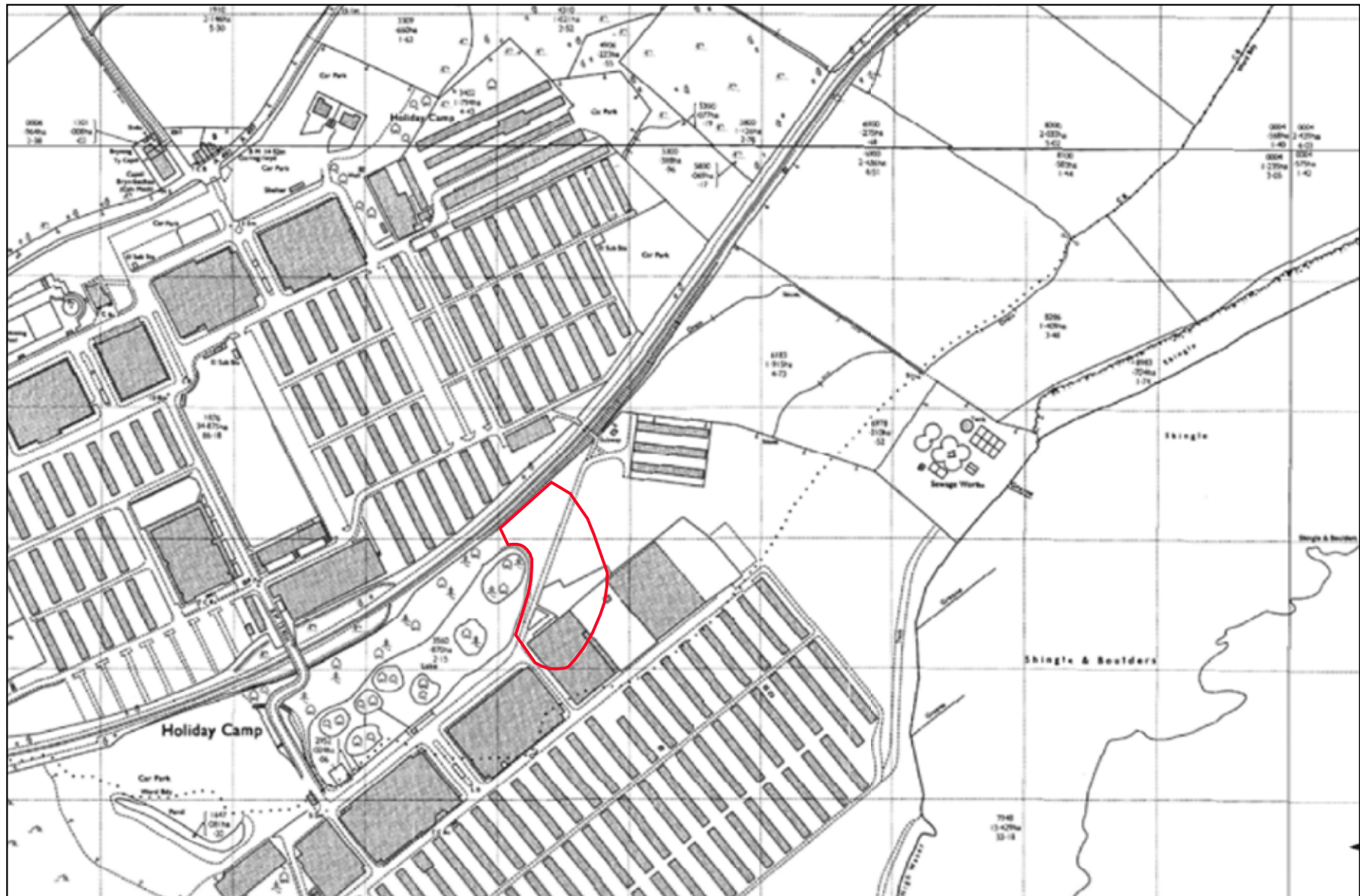
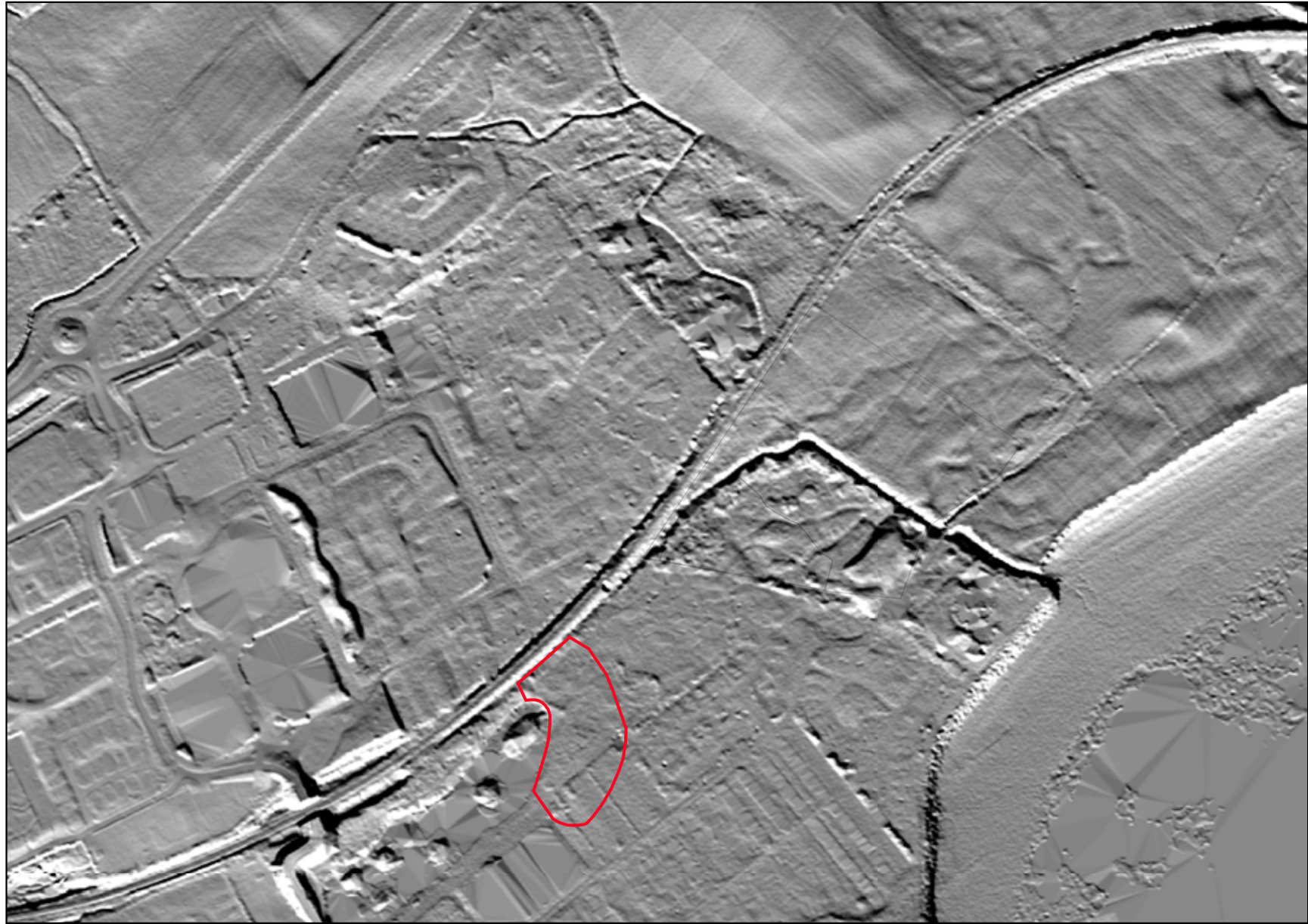


Figure 12. OS 1978 Caernarvonshire 1.2500.



0 150m

Figure 13. LiDAR 1m DSM



0 150m

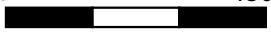
A horizontal scale bar with alternating black and white segments, indicating a length of 150 meters.

Figure 14. LiDAR 1m DTM.

Archaeology
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APPENDIX II:
Plates



Plate 1. Yard area and north-western boundary of the existing car park. View NE



Plate 2. Pedestrian area and north-eastern end of lake. View NE



Plate 3. Landscaping to the north-east of the lake. View NE



Plate 4. Track and mature mixed trees to the north of the lake. View SW



Plate 5. Metal railing railway boundary to the north of the lake. View NW



Plate 6. View east across the development site from the north western corner of site. View E



Plate 7. The north-western site boundary to the railway. View NE



Plate 8. The north-western site boundary to the railway, viewed from the northern corner of site. View SW



Plate 9. The northern site viewed from the western corner, with yard surface, road and lighting. View E



Plate 10. The eastern site boundary and scrub . View SE



Plate 11. The eastern site boundary with yard and shed. View SE



Plate 12. The site viewed from the east, with scrub and yard. View W



Plate 13. Disused shed on the eastern site boundary . View SE

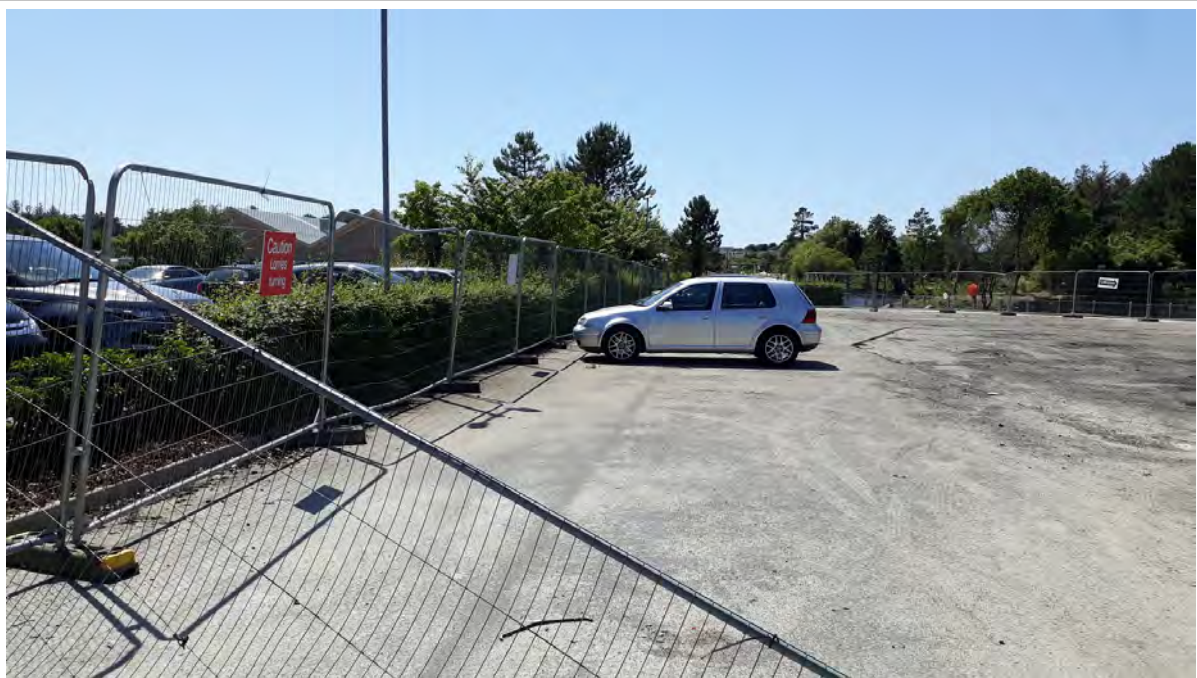


Plate 14. The tarmac yard and north-western boundary of the present car-park . View SW

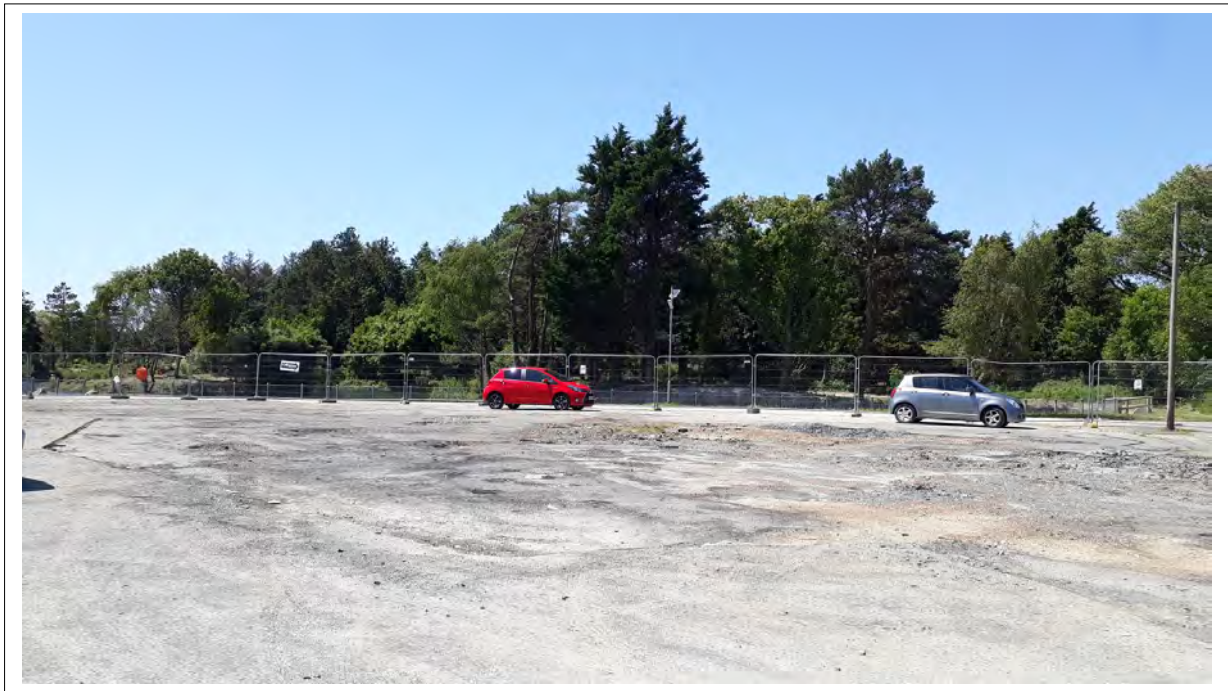


Plate 15. The southern site area viewed from the eastern corner. View W



Plate 16. RAF 4535 106GUK_664 3213 detail. HMS Glendower naval base grounds in red rectangle



Plate 17. RAF 4535 106GUK_664 3213 HMS Glendower naval base grounds in red rectangle



Plate 18. 7040 OS 70_006 IR 037 detail



Plate 19. BKS 7820 2893050 detail



Plate 20. Aerial image of the site 6/28/2018. Copyright 2018Google

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APPENDIX III:
HER Data

GWYNEDD ARCHAEOLOGICAL TRUST

HISTORIC ENVIRONMENT RECORD

ENQUIRY REPORT - CORE RECORDS

Enquiry reference number: GATHER1142

Prepared by: Derby, S., Gwynedd Archaeological Trust

Produced for: Kate Pitt, Archaeology Wales

The following information has been provided under the terms and conditions of access as detailed on the GAT HER Enquiry and Conditions of Access form and/or the GAT HER data licence agreement produced for this enquiry.

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Search Criteria:

Hafan Y Môr Holiday Park, 1km Search

PRN 19695

NAME Roads, Afon Wen, Chwilog

NGR SH43773754

COMMUNITY Llanystumdwy

PERIOD AND TYPE POST MEDIEVAL, ROAD, Sitetype ranking: 1

SUMMARY

DESCRIPTION The present road layout is of some antiquity but has been altered and improved and it is unlikely that traces of the original surfaces remain. (Kenney 2004)

EVIDENCE

CONDITION INFORMATION

CONDITION: None Recorded CONDITION RATING: None Recorded DESCRIPTION: None Recorded RELATED EVENT PRN: YEAR:

STATUS None Recorded

ASSOCIATED EVENTS

GAT54777 Afon Wen Waste Water Treatment Works, Chwilog: Assessment 2004

GAT54778 Waste Water Pipe for Afon Wen Waste Water Treatment Works, Chwilog: Assessment 2004

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: Kenney, J. 2004, Afon Wen Waste Water Treatment Works, Chwilog: Assessment, , , , GAT Report No. 551

Report: Kenney, J. 2004, Waste Water Pipe for Afon Wen Waste Water Treatment Works, Chwilog: Assessment, , , , GAT Report No. 552

, ,

PRN 19696

NAME Field Boundaries, Afon Wen, Chwilog

NGR SH44013723

COMMUNITY Llanystumdwy

PERIOD AND TYPE POST MEDIEVAL, FIELD BOUNDARY, Sitetype ranking: 1

SUMMARY

DESCRIPTION The outfall pipe is planned to cut through the wall towards the southern end of the study area, but this boundary is probably only mid 19th century in date. Most other boundaries around the study area are of similar date or more recent. (Kenney 2004) No further information was recovered during the watching brief. (Berks & Roberts 2005)

EVIDENCE

CONDITION INFORMATION

CONDITION: None Recorded CONDITION RATING: None Recorded DESCRIPTION: None Recorded RELATED EVENT PRN: YEAR:

STATUS None Recorded

ASSOCIATED EVENTS

GAT54777 Afon Wen Waste Water Treatment Works, Chwilog: Assessment 2004

GAT54778 Waste Water Pipe for Afon Wen Waste Water Treatment Works, Chwilog: Assessment 2004

GAT40674 Afon Wen Wastewater Treatment Scheme, Chwilog: Watching Brief 2005

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: Kenney, J. 2004, Afon Wen Waste Water Treatment Works, Chwilog: Assessment, , , , GAT Report No. 551

Report: Kenney, J. 2004, Waste Water Pipe for Afon Wen Waste Water Treatment Works, Chwilog: Assessment, , , , GAT Report No. 552

Report: Berks, T. & Roberts, J. 2005, Afon Wen Waste Water Treatment Works, Chwilog: Watching Brief, , , , GAT Report No. 610

, ,

PRN 19697

NAME Scarp, Afon Wen, Chwilog

NGR SH43893737

COMMUNITY Llanystumdwy

PERIOD AND TYPE POST MEDIEVAL, FIELD BOUNDARY, Sitetype ranking: 1

SUMMARY

DESCRIPTION A fairly well defined, rather sinuous scarp running roughly north-south down the eastern side of the study area. This probably represents a field boundary and build-up of soil from ploughing dating from at least the 18th century and possibly earlier. (Kenney 2004) No further information was recovered during the watching brief. (Berks & Roberts 2005)

EVIDENCE

CONDITION INFORMATION

CONDITION: None Recorded CONDITION RATING: None Recorded DESCRIPTION: None Recorded RELATED EVENT PRN: YEAR:

STATUS None Recorded

ASSOCIATED EVENTS

GAT54777 Afon Wen Waste Water Treatment Works, Chwilog: Assessment 2004

GAT54778 Waste Water Pipe for Afon Wen Waste Water Treatment Works, Chwilog: Assessment 2004

GAT40674 Afon Wen Wastewater Treatment Scheme, Chwilog: Watching Brief 2005

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: Kenney, J. 2004, Afon Wen Waste Water Treatment Works, Chwilog: Assessment, , , , GAT Report No. 551

Report: Kenney, J. 2004, Waste Water Pipe for Afon Wen Waste Water Treatment Works, Chwilog: Assessment, , , , GAT Report No. 552

Report: Berks, T. & Roberts, J. 2005, Afon Wen Waste Water Treatment Works, Chwilog: Watching Brief, , , , GAT Report No. 610

, ,

PRN 2270

NAME Natural Feature, Tomen Pendorlan, Pwllheli

NGR SH44133706

COMMUNITY Llannor

PERIOD AND TYPE NOT APPLICABLE, NATURAL FEATURE, Sitetype ranking: 1

SUMMARY

DESCRIPTION Natural gravel mound, triangular in plan, steep sided, flat-topped and some 2.4m high. <1> Tomen Pendorlan - a natural feature. (Dutton & Gwyn, 1996)

EVIDENCE EARTHWORK

CONDITION INFORMATION

CONDITION: INTACT CONDITION RATING: GOOD DESCRIPTION: RELATED EVENT PRN: 40325 YEAR: 1996

STATUS None Recorded

ASSOCIATED EVENTS

GAT40325 Coastal Erosion Survey: Aberdaron to Aberdyfi 1996

GAT45076 Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment and Field Reconnaissance Survey. 2010

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: Dutton, L. A. & Gwyn, D. 1996, Coastal Erosion Survey: Aberdaron to Aberdyfi (Revised 1996), , , , GAT Report No.198

Report: RSK Environment Ltd 2010, Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment and Field Reconnaissance Survey., , , ,

Ordnance Survey 1972 , SH43NW 2, <1>

PRN 29701

NAME Earthworks, Possible, Afon Wen, Chwilog

NGR SH44003724

COMMUNITY Llanystumdwy

PERIOD AND TYPE Unknown, EARTHWORK, Sitetype ranking: 1

SUMMARY

DESCRIPTION Uneven ground in very southern end of study area. While this might be earthworks related to settlement it is probably the result of earth moving related to the railway. (Kenney 2004)

EVIDENCE

CONDITION INFORMATION

CONDITION: None Recorded CONDITION RATING: None Recorded DESCRIPTION: None Recorded RELATED EVENT PRN: YEAR:

STATUS None Recorded

ASSOCIATED EVENTS

GAT54777 Afon Wen Waste Water Treatment Works, Chwilog: Assessment 2004

GAT54778 Waste Water Pipe for Afon Wen Waste Water Treatment Works, Chwilog: Assessment 2004

GAT45076 Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment and Field Reconnaissance Survey. 2010

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: Kenney, J. 2004, Afon Wen Waste Water Treatment Works, Chwilog: Assessment, , , , GAT Report No. 551

Report: Kenney, J. 2004, Waste Water Pipe for Afon Wen Waste Water Treatment Works, Chwilog: Assessment, , , , GAT Report No. 552

Report: RSK Environment Ltd 2010, Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment and Field Reconnaissance Survey., , , ,

, ,

PRN 29702

NAME Field Boundaries, Remains of, Afon Wen, Chwilog

NGR SH43843742

COMMUNITY Llanystumdwy

PERIOD AND TYPE POST MEDIEVAL, FIELD BOUNDARY, Sitetype ranking: 1

SUMMARY

DESCRIPTION Two slight linear hollows run across the study area. These seem to correspond to boundaries on the 1889 map, which have gone by 1900. They post-date the railway, and so are of minimal importance. (Kenney 2004) No further information was recovered during the watching brief. (Berks & Roberts 2005)

EVIDENCE

CONDITION INFORMATION

CONDITION: None Recorded CONDITION RATING: None Recorded DESCRIPTION: None Recorded RELATED EVENT PRN: YEAR:

STATUS None Recorded

ASSOCIATED EVENTS

GAT54777 Afon Wen Waste Water Treatment Works, Chwilog: Assessment 2004

GAT54778 Waste Water Pipe for Afon Wen Waste Water Treatment Works, Chwilog: Assessment 2004

GAT40674 Afon Wen Wastewater Treatment Scheme, Chwilog: Watching Brief 2005

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: Kenney, J. 2004, Afon Wen Waste Water Treatment Works, Chwilog: Assessment, , , , GAT Report No. 551

Report: Kenney, J. 2004, Waste Water Pipe for Afon Wen Waste Water Treatment Works, Chwilog: Assessment, , , , GAT Report No. 552

Report: Berks, T. & Roberts, J. 2005, Afon Wen Waste Water Treatment Works, Chwilog: Watching Brief, , , , GAT Report No. 610

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PRN 29703

NAME Ditch, Afon Wen, Chwilog

NGR SH43963727

COMMUNITY Llanystumdwy

PERIOD AND TYPE Unknown, DITCH, Sitetype ranking: 1

SUMMARY

DESCRIPTION Ditch shown on early OS maps, possibly remains of original river course before construction of railway. (Kenney 2004)

EVIDENCE

CONDITION INFORMATION

CONDITION: None Recorded CONDITION RATING: None Recorded DESCRIPTION: None Recorded RELATED EVENT PRN: YEAR:

STATUS None Recorded

ASSOCIATED EVENTS

GAT54777 Afon Wen Waste Water Treatment Works, Chwilog: Assessment 2004

GAT54778 Waste Water Pipe for Afon Wen Waste Water Treatment Works, Chwilog: Assessment 2004

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: Kenney, J. 2004, Afon Wen Waste Water Treatment Works, Chwilog: Assessment, , , , GAT Report No. 551

Report: Kenney, J. 2004, Waste Water Pipe for Afon Wen Waste Water Treatment Works, Chwilog: Assessment, , , , GAT Report No. 552

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PRN 29704

NAME Railway Embankment, Afon Wen, Chwilog

NGR SH44013722

COMMUNITY Llanystumdwy

PERIOD AND TYPE POST MEDIEVAL, EMBANKMENT, Sitetype ranking: 1

SUMMARY

DESCRIPTION Embankment for Caernarvonshire Railway Line, opened 1867, track removed 1968. (Kenney 2004)

EVIDENCE

CONDITION INFORMATION

CONDITION: None Recorded CONDITION RATING: None Recorded DESCRIPTION: None Recorded RELATED EVENT PRN: YEAR:

STATUS None Recorded

ASSOCIATED EVENTS

GAT54777 Afon Wen Waste Water Treatment Works, Chwilog: Assessment 2004

GAT54778 Waste Water Pipe for Afon Wen Waste Water Treatment Works, Chwilog: Assessment 2004

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: Kenney, J. 2004, Afon Wen Waste Water Treatment Works, Chwilog: Assessment, , , , GAT Report No. 551

Report: Kenney, J. 2004, Waste Water Pipe for Afon Wen Waste Water Treatment Works, Chwilog: Assessment, , , , GAT Report No. 552

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PRN 29705

NAME Penychen Mill, Afon Wen, Chwilog

NGR SH43803750

COMMUNITY Llanystumdwy

PERIOD AND TYPE Medieval, MILL, Sitetype ranking: 1

SUMMARY

DESCRIPTION Documentary records indicate the presence of a medieval mill on the west bank of the Afon Wen. The location of this is unknown. (Kenney 2004) No update. (Evans and Burnett, 2012)

EVIDENCE

CONDITION INFORMATION

CONDITION: None Recorded CONDITION RATING: None Recorded DESCRIPTION: None Recorded RELATED EVENT PRN: YEAR:

STATUS None Recorded

ASSOCIATED EVENTS

GAT54777 Afon Wen Waste Water Treatment Works, Chwilog: Assessment 2004
GAT54778 Waste Water Pipe for Afon Wen Waste Water Treatment Works, Chwilog: Assessment 2004
GAT45048 Medieval and Post-Medieval Mills. Scheduling Enhancement 2011-12. Part 01: Report and Gazetteer. 2012

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: Kenney, J. 2004, Afon Wen Waste Water Treatment Works, Chwilog: Assessment, , , , GAT Report No. 551
Report: Kenney, J. 2004, Waste Water Pipe for Afon Wen Waste Water Treatment Works, Chwilog: Assessment, , , , GAT Report No. 552
Report: Evans, R., and Burnett, A. 2012, Medieval and Post-Medieval Mills. Scheduling Enhancement 2011-12. Part 01: Report and Gazetteer., , , , Report No. 1042

, ,

PRN 31094

NAME Penychain Railway Station, Morfa Abererch

NGR SH42853649

COMMUNITY Llannor

PERIOD AND TYPE POST MEDIEVAL, RAILWAY STATION, Sitype ranking: 1

SUMMARY

DESCRIPTION

EVIDENCE

CONDITION INFORMATION

CONDITION: None Recorded CONDITION RATING: None Recorded DESCRIPTION: None Recorded RELATED EVENT PRN: YEAR:

STATUS None Recorded

ASSOCIATED EVENTS

GAT44082 A497 Improvement Pipeline Diversions Archaeology & Heritage 2004
GAT44083 A497 Improvement Pipeline Diversions Archaeology & Heritage 2005
GAT45076 Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment and Field Reconnaissance Survey. 2010

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: RSK Environment Ltd 2010, Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment and Field Reconnaissance Survey., , ,

Fairburn, N. RSK Environment Ltd. 2004 , A497 Improvement Pipeline Diversions Archaeology & Heritage, P40109/06/04/02 REV04 <1>

Fairburn, N. RSK Environment Ltd. 2005 , A497 Improvement Pipeline Diversions Archaeology & Heritage, P40109/06/04/02 REV05 <2>

PRN 31118

NAME Brynbachau Chapel, Llanystumdwy

NGR SH43143698

COMMUNITY Llanystumdwy

PERIOD AND TYPE POST MEDIEVAL, CHAPEL, Sitetype ranking: 1

SUMMARY

DESCRIPTION A Calvinistic Methodist chapel facing the road, with a keeper's house to the rear. A plaque on the chapel front gives the date 1850; the building is cement-veneered. (GAT, 1996)

EVIDENCE**CONDITION INFORMATION**

CONDITION: None Recorded CONDITION RATING: None Recorded DESCRIPTION: None Recorded RELATED EVENT PRN: YEAR:

STATUS None Recorded

ASSOCIATED EVENTS

GAT40381 A497 Abererch to Llanystumdwy Road Improvements 1996

GAT44082 A497 Improvement Pipeline Diversions Archaeology & Heritage 2004

GAT44083 A497 Improvement Pipeline Diversions Archaeology & Heritage 2005

GAT45076 Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment and Field Reconnaissance Survey. 2010

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: 1996, A497 Abererch to Llanystumdwy Road Improvements: Archaeological Assessment, , , , GAT Report No. 224

Report: RSK Environment Ltd 2010, Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment and Field Reconnaissance Survey., , ,

Fairburn, N. RSK Environment Ltd. 2004 , A497 Improvement Pipeline Diversions Archaeology & Heritage, P40109/06/04/02 REV04 <2>

Fairburn, N. RSK Environment Ltd. 2005 , A497 Improvement Pipeline Diversions Archaeology & Heritage, P40109/06/04/02 REV05 <3>

PRN 31119

NAME Garreg Lwyd Cottages, Abererch

NGR SH43183699

COMMUNITY Llanystumdwy

PERIOD AND TYPE POST MEDIEVAL, COTTAGE, Sitetype ranking: 1

SUMMARY

DESCRIPTION A row of two-storey dwellings, on room wide, built out of quarried stone. (GAT, 1996)

EVIDENCE

CONDITION INFORMATION

CONDITION: None Recorded CONDITION RATING: None Recorded DESCRIPTION: None Recorded RELATED EVENT PRN: YEAR:

STATUS None Recorded

ASSOCIATED EVENTS

GAT40381 A497 Abererch to Llanystumdwy Road Improvements 1996

GAT44083 A497 Improvement Pipeline Diversions Archaeology & Heritage 2005

GAT45076 Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment and Field Reconnaissance Survey. 2010

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: 1996, A497 Abererch to Llanystumdwy Road Improvements: Archaeological Assessment, , , , GAT Report No. 224

Report: RSK Environment Ltd 2010, Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment and Field Reconnaissance Survey., , , ,

Fairburn, N. RSK Environment Ltd. 2005 , A497 Improvement Pipeline Diversions Archaeology & Heritage, P40109/06/04/02 REV05 <2>

PRN 31120

NAME Trackway, Tyddyn Berth

NGR SH43613729

COMMUNITY Llanystumdwy

PERIOD AND TYPE POST MEDIEVAL, TRACKWAY, Sitetype ranking: 1

SUMMARY

DESCRIPTION A walled farm track. Tyddyn Berth appears on the 1819 map. (Mason 1993) (GAT, 1996) The 40.0m length of track to Tyddyn Berth Farm is located south of the current A497, c.500m east of the Afon Wen. The trackway opens onto part of the old roadway now used as a lay-by (the original road having been straightened along this route) (Plate 36). The track is bounded by field walls faced with rounded boulders. The walls are in good repair. The track has been covered with asphalt so none of the original surface is visible. At the gateway, a fairly impressive entrance has been added, consisting of two rectangular gateposts, 1.4m high, each with a quartz set on top. From these, 1.0m high crenellated walls curve out onto the road. The walls and gateposts are made of igneous rock cut into blocks of irregular size. The crenellations are small blocks projecting c.130mm above the top of the wall. The visible mortar is light pink in colour and fairly recent in manufacture. The gateway is possibly 19th century, but could also be early 20th century. Impact: The trackway was not affected by the road scheme. The new road is located 20.0m to the north, with the former lay-by redesigned as an extended driveway to Tyddyn Berth Farm. (Berks, Davidson, Roberts & Smith, 2007)

EVIDENCE EARTHWORK

CONDITION INFORMATION

CONDITION: Intact CONDITION RATING: Not Recorded DESCRIPTION: RELATED EVENT PRN: 40168 YEAR: 1993

STATUS None Recorded

ASSOCIATED EVENTS

GAT40381 A497 Abererch to Llanystumdwy Road Improvements 1996
GAT44082 A497 Improvement Pipeline Diversions Archaeology & Heritage 2004
GAT44083 A497 Improvement Pipeline Diversions Archaeology & Heritage 2005
GAT40572 Archaeological Excavation and Recording During the A497 Road Improvement Scheme, Gwynedd 2007
GAT40168 A497 Abererch to Llanystumdwy Road Improvements 1993

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: Berks, T., Davidson, A., Roberts, J. & Smith, G. 2007, Archaeological Excavation and Recording During the A497 Road Improvement Scheme, Gwynedd, , , , GAT Report No. 625
Report: Mason, M. 1993, A497 Abererch to Llanystumdwy Road Improvements, , , , GAT Report No. 060
Report: 1996, A497 Abererch to Llanystumdwy Road Improvements: Archaeological Assessment, , , , GAT Report No. 224

Fairburn, N. RSK Environment Ltd. 2004 , A497 Improvement Pipeline Diversions Archaeology & Heritage, P40109/06/04/02 REV04 <2>
Fairburn, N. RSK Environment Ltd. 2005 , A497 Improvement Pipeline Diversions Archaeology & Heritage, P40109/06/04/02 REV05 <3>

PRN 31121

NAME Railway Embankment, Llanystumdwy

NGR SH43803740

COMMUNITY Llanystumdwy

PERIOD AND TYPE POST MEDIEVAL, RAILWAY EMBANKMENT, Sitetype ranking: 1

SUMMARY

DESCRIPTION The railway connecting the Machynlleth to Pwllheli line with Caernarfon via Afonwen, operational from 1866 to 1964, ran along a substantial embankment in this low-lying area. The embankment is fenced off and well overgrown with scrub, hence inaccessible, but it is unlikely that there would be anything to note at this stage. (Mason 1993) (GAT, 1996) Disused railway line Machynlleth to Caernarfon (1866-1964). <2> The embankment was built for the Caernarfonshire railway line and was constructed in 1867 and dismantled in 1967. The embankment was built either side of what is now the A497, to carry the railway southwards over that road towards the Afon Wen Junction. The embankment is steep sided, c. 4.2m high and 7.80m wide and is heavily overgrown. Where it was possible to inspect the top of the embankment, it appeared that the railway track had been removed. The railway line was carried across the road on a bridge, the south pier of which still survives (Plate 37), with the north pier removed, except for 0.80m high course of masonry at the base. The pier was constructed from an igneous rock, cut into neat blocks of various sizes. The original mortar is a limestone mix, with evidence for later re-pointing. The pier was 9.0m wide. Impact: The embankment on the northern side of the road was removed to accommodate the new road and was monitored during the watching brief phase. No evidence for the railway line was recovered, confirming that it had been removed. The pier on the south side was also removed and the embankment cut back. A photographic record was maintained throughout. (Berks, Davidson, Roberts & Smith 2007)

EVIDENCE EARTHWORK

CONDITION INFORMATION

CONDITION: Not Known CONDITION RATING: Not Recorded DESCRIPTION: RELATED EVENT PRN: 40168 YEAR: 1993

STATUS None Recorded

ASSOCIATED EVENTS

GAT40381 A497 Abererch to Llanystumdwy Road Improvements 1996
GAT44082 A497 Improvement Pipeline Diversions Archaeology & Heritage 2004
GAT44083 A497 Improvement Pipeline Diversions Archaeology & Heritage 2005
GAT40572 Archaeological Excavation and Recording During the A497 Road Improvement Scheme, Gwynedd 2007
GAT40168 A497 Abererch to Llanystumdwy Road Improvements 1993
GAT45076 Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment and Field Reconnaissance Survey. 2010

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: Berks, T., Davidson, A., Roberts, J. & Smith, G. 2007, Archaeological Excavation and Recording During the A497 Road Improvement Scheme, Gwynedd, , , , GAT Report No. 625
Report: Mason, M. 1993, A497 Abererch to Llanystumdwy Road Improvements, , , , GAT Report No. 060
Report: 1996, A497 Abererch to Llanystumdwy Road Improvements: Archaeological Assessment, , , , GAT Report No. 224
Report: RSK Environment Ltd 2010, Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment and Field Reconnaissance Survey., , , ,

Gwynedd Archaeological Trust 1996 , A497 Abererch to Llanystumdwy Road Improvements: Archaeological Assessment, G1429, Rep 224 <1>
Fairburn, N. RSK Environment Ltd. 2004 , A497 Improvement Pipeline Diversions Archaeology & Heritage, P40109/06/04/02 REV04 <2>
Fairburn, N. RSK Environment Ltd. 2005 , A497 Improvement Pipeline Diversions Archaeology & Heritage, P40109/06/04/02 REV05 <3>

PRN 31122

NAME Cottages, Afonwen

NGR SH43853754

COMMUNITY Llanystumdwy

PERIOD AND TYPE POST MEDIEVAL, TERRACED HOUSING, Sitetype ranking: 1

SUMMARY

DESCRIPTION A row of five two-storey dwellings and a shop, of nineteenth century date. (GAT, 1996)

EVIDENCE

CONDITION INFORMATION

CONDITION: None Recorded CONDITION RATING: None Recorded DESCRIPTION: None Recorded RELATED EVENT PRN: YEAR:

STATUS None Recorded

ASSOCIATED EVENTS

GAT40381 A497 Abererch to Llanystumdwy Road Improvements 1996
GAT44082 A497 Improvement Pipeline Diversions Archaeology & Heritage 2004
GAT44083 A497 Improvement Pipeline Diversions Archaeology & Heritage 2005
GAT45076 Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment and Field Reconnaissance Survey. 2010

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: 1996, A497 Abererch to Llanystumdwy Road Improvements: Archaeological Assessment, , , , GAT Report No. 224

Report: RSK Environment Ltd 2010, Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment and Field Reconnaissance Survey., , , ,

Fairburn, N. RSK Environment Ltd. 2004 , A497 Improvement Pipeline Diversions Archaeology & Heritage, P40109/06/04/02 REV04 <2>

Fairburn, N. RSK Environment Ltd. 2005 , A497 Improvement Pipeline Diversions Archaeology & Heritage, P40109/06/04/02 REV05 <3>

PRN 31123

NAME Dwellings, Penbont

NGR SH43853755

COMMUNITY Llanystumdwy

PERIOD AND TYPE POST MEDIEVAL, HOUSE, Sitetype ranking: 1

SUMMARY

DESCRIPTION Two semi-detached two-storey dwellings of nineteenth century construction. (GAT, 1996)

EVIDENCE**CONDITION INFORMATION**

CONDITION: None Recorded CONDITION RATING: None Recorded DESCRIPTION: None Recorded RELATED EVENT PRN: YEAR:

STATUS None Recorded

ASSOCIATED EVENTS

GAT40381 A497 Abererch to Llanystumdwy Road Improvements 1996

GAT44082 A497 Improvement Pipeline Diversions Archaeology & Heritage 2004

GAT44083 A497 Improvement Pipeline Diversions Archaeology & Heritage 2005

GAT45076 Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment and Field Reconnaissance Survey. 2010

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: 1996, A497 Abererch to Llanystumdwy Road Improvements: Archaeological Assessment, , , , GAT Report No. 224

Report: RSK Environment Ltd 2010, Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment and Field Reconnaissance Survey., , , ,

Fairburn, N. RSK Environment Ltd. 2004 , A497 Improvement Pipeline Diversions Archaeology & Heritage, P40109/06/04/02 REV04 <2>

Fairburn, N. RSK Environment Ltd. 2005 , A497 Improvement Pipeline Diversions Archaeology & Heritage, P40109/06/04/02 REV05 <4>

PRN 31124

NAME Pont Ffridd Lwyd, Site of, Llanystumdwy

NGR SH4386937575

COMMUNITY Llanystumdwy

PERIOD AND TYPE POST MEDIEVAL, BRIDGE, Sitetype ranking: 1

SUMMARY

DESCRIPTION A single-arch humped stone bridge over the Afon Wen. (GAT, 1996) This was single-arched stone bridge that still formed the crossing of the Afon Wen for the A497 trunk road in 2004. It was to be replaced by a larger structure for the new road and so was recorded by measured survey, photography, and detailed drawing of one face prior to demolition. The bridge appears to represent a single phase of construction and is probably of mid-19th century date, preceding the construction of the railway just to the west. The bridge was demolished and removed as part of the road improvement scheme. A photographic and written record was made of the structure prior to its demolition and a photographic record made during its demolition (see 4.10, Site 9, above). (Berks, Davidson, Roberts & Smith, 2007)

EVIDENCE

CONDITION INFORMATION

CONDITION: Destroyed CONDITION RATING: Destroyed DESCRIPTION: None Recorded RELATED EVENT PRN: 40572 YEAR:

STATUS None Recorded

ASSOCIATED EVENTS

GAT40381 A497 Abererch to Llanystumdwy Road Improvements 1996

GAT44082 A497 Improvement Pipeline Diversions Archaeology & Heritage 2004

GAT44083 A497 Improvement Pipeline Diversions Archaeology & Heritage 2005

GAT40572 Archaeological Excavation and Recording During the A497 Road Improvement Scheme, Gwynedd 2007

GAT45076 Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment and Field Reconnaissance Survey. 2010

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: Berks, T., Davidson, A., Roberts, J. & Smith, G. 2007, Archaeological Excavation and Recording During the A497 Road Improvement Scheme, Gwynedd, , , , GAT Report No. 625

Report: 1996, A497 Abererch to Llanystumdwy Road Improvements: Archaeological Assessment, , , , GAT Report No. 224

Report: RSK Environment Ltd 2010, Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment and Field Reconnaissance Survey., , , ,

Fairburn, N. RSK Environment Ltd. 2004 , A497 Improvement Pipeline Diversions Archaeology & Heritage, P40109/06/04/02 REV04 <2>

Fairburn, N. RSK Environment Ltd. 2005 , A497 Improvement Pipeline Diversions Archaeology & Heritage, P40109/06/04/02 REV05 <4>

PRN 31151

NAME Burnt Mound, Possible, North East of Garreg Lwyd Cottages

NGR SH43273717

COMMUNITY Llanystumdwy

PERIOD AND TYPE Bronze Age, BURNT MOUND, Sitetype ranking: 1

SUMMARY

DESCRIPTION This trench [67] was located to the northeast of Trenches 65 and 66, on the other side of the culverted stream. It was located in response to a geophysics signal denoting a magnetic disturbance. This signal was identified as the remains of a possible burnt mound, suggested by a spread of heat fractured stone. This would suggest a date in the second millennium BC. Two unrelated linear features were also identified, coupled with a stone spread. The trench was further extended to expose an area of c.15m by 15m. This extension revealed a linear spread of stones and three pits containing burnt stone. These pits were cut by the linear features, which were identified as plough furrows or gullies. A third gully was orientated perpendicular to the others. There was also a patch of burning to the east of the pits, possibly from a fire site. The stone spread was identified as a glacial deposit, akin to that identified in Trench 66. There was evidence of human activity on top of the stone spread, however, as there was a discrete spread of heat fractured stone. There was no evidence of a burnt mound as such, but the topsoil/ploughsoil was very shallow, suggesting that a mound could have been almost entirely removed through ploughing. The pits were not typical burnt mound troughs, but could have performed a similar function. No datable artefacts were recovered but extensive environmental samples were taken from all of the features containing burnt material. They await processing and specialist analysis. Interpretation: Prehistoric archaeological activity. (Berks & Roberts 2005) The burnt mound covered an area c.25m squared in size and was located to the E of a former stream. The burnt stone defining the 'mound' lay in a shallow cut terrace or platform and was deposited on top of a linear spread identified as glacial deposit, similar to that identified in Trench 66 to the W. A sample of charcoal was sent for radiocarbon dating. Three pits were found at the S end of the trench, S of the burnt stone spread. Two of the pits contained burnt stone, whilst the largest pit contained a charcoal-rich fill and a number of larger un-burnt stones. They were identified as pits or troughs associated with the burnt mound. Two radiocarbon samples were sent for dating: the first was from a discrete deposit on the surface of the burnt stone mound. This produced a date at 2 sigma of CAL BC 2550 to BC 2540 and CAL BC 2490 to BC 2140 (Beta-204432). The second was from the primary fill of pit 402 at the S side of the burnt mound. This produced a date at 2 sigma of CAL BC 2580 to BC 1910 (Beta-204434). (Roberts 2007)

EVIDENCE

CONDITION INFORMATION

CONDITION: None Recorded CONDITION RATING: None Recorded DESCRIPTION: None Recorded RELATED EVENT PRN: YEAR:

STATUS None Recorded

ASSOCIATED EVENTS

GAT54798 A497 Improvement Abererch to Llanystumdwy: Assessment of Potential for Post-Excavation Analysis 2005

GAT40739 Fferm Glanllynau, Chwilog: Storage Yard Extension 2007

GAT44083 A497 Improvement Pipeline Diversions Archaeology & Heritage 2005

GAT44557 Early Celtic Societies in North Wales 2010

GAT40740 Fferm Glanllynau, Chwilog, Gwynedd: Storage Yard Extension Archaeological Works 2008

GAT40572 Archaeological Excavation and Recording During the A497 Road Improvement Scheme, Gwynedd 2007

GAT45076 Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment and Field Reconnaissance Survey. 2010

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: Roberts, J. 2007, Fferm Glanllynau, Chwilog: Storage Yard Extension, , , , GAT Report No. 686

Report: Evans, R. 2008, Fferm Glanllynau, Chwilog: Storage Yard Extension, , , , GAT Report No. 712

Database: Kenney, J. 2011, Burnt Mounds in north-west Wales, , , ,

Report: Berks, T., Davidson, A., Roberts, J. & Smith, G. 2007, Archaeological Excavation and Recording During the A497 Road Improvement Scheme, Gwynedd, , , , GAT Report No. 625

Report: Berks, T. & Roberts, J. 2005, A497 Improvement Abererch to Llanystumdwy: Assessment of Potential for Post-Excavation Analysis, , , , GAT Report No. 573

Database: Waddington, K. 2010, Early Celtic Societies in North Wales, , , ,

Book: Waddington, K. 2013, The Settlements of Northwest Wales: From the Late Bronze Age to the Early Medieval Period, , , , HER Library Record No. 2377

Report: RSK Environment Ltd 2010, Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment and Field Reconnaissance Survey., , , ,

Berks, T., Davidson, A., Kenney, J., Roberts, J. & Smith, G. Gwynedd Archaeological Trust 2007 , Archaeology in Wales, Vol. 47 p. 9-11 <4>

Fairburn, N. RSK Environment Ltd. 2005 , A497 Improvement Pipeline Diversions Archaeology & Heritage, P40109/06/04/02 REV05 <5>

PRN 31152

NAME Drainage Features, West of Brynbachau Chapel

NGR SH43043696

COMMUNITY Llanystumdwy

PERIOD AND TYPE POST MEDIEVAL, DRAINAGE SYSTEM, Sitetype ranking: 1

SUMMARY

DESCRIPTION This trench [94] was located in a field to the east of the car park and to the west of Brynbachau Chapel. The field had not been exploited for farming for some time and had become overgrown. One explanation may have been the extensive waterlogging within the field. The location of the trenches was restricted by the proximity of a gas main. The trenches were located towards the southern end of the field. This trench was located by the entranceway into the field. Interpretation: Two linear cuts were located within the trench and were identified as post-medieval drainage features... ..This trench [95] was located to the east of Trench 94, in the centre of the field; two drainage cuts were located within the centre of the trench. Both trenches showed evidence for drainage suggesting attempts were made to drain the field for cultivation. Interpretation: An inspection of an aerial photograph of the field showed these drainage cuts on a greater scale. An inspection of the tithe schedule for the field proved that attempts were made in the mid-19th century to drain the field. (Berks & Roberts 2005)

EVIDENCE

CONDITION INFORMATION

CONDITION: None Recorded CONDITION RATING: None Recorded DESCRIPTION: None Recorded RELATED EVENT PRN: YEAR:

STATUS None Recorded

ASSOCIATED EVENTS

GAT54798 A497 Improvement Abererch to Llanystumdwy: Assessment of Potential for Post-Excavation Analysis 2005

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: Berks, T. & Roberts, J. 2005, A497 Improvement Abererch to Llanystumdwy: Assessment of Potential for Post-Excavation Analysis, , , , GAT Report No. 573

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PRN 31542

NAME Site of Butlins Minature Railway

NGR SH43563591

COMMUNITY Llannor

PERIOD AND TYPE Modern, MINATURE RAILWAY, Sitetype ranking: 1

SUMMARY

DESCRIPTION This railway no longer exists. The route has now been turned into a cycling/ walking path. The train ran from the Butlins holiday camp to a turning circle at the beach end of the line, which can be seen in the current route of the path.

EVIDENCE

CONDITION INFORMATION

CONDITION: None Recorded **CONDITION RATING:** None Recorded **DESCRIPTION:** None Recorded **RELATED EVENT PRN:** YEAR:

STATUS None Recorded

ASSOCIATED EVENTS

GAT44886 Arfordir Coastal Heritage: Final Report 2012

ASSOCIATED ARTEFACTS

FIND: None recorded **COLLECTION:** None recorded **DESCRIPTION:** None recorded

SOURCES

Report: Parry, I., Parry, L., Evans, R., Hopewell, D., Davidson, A., Williams, T., and Berks, T. 2012, Arfordir Coastal Heritage: Final Report, , , GAT Report No. 1044

, ,

PRN 34083

NAME Elongated pit and probable root hollow, E of Tyddyn y Berth

NGR SH43723736

COMMUNITY Llanystumdwy

PERIOD AND TYPE PREHISTORIC, PIT, Sitetype ranking: 1

SUMMARY Pit of possible Prehistoric date.

DESCRIPTION A sub-rectangular pit [36002] was found, aligned roughly east-west, and measuring 1.70m by 0.58m, with a depth of 0.22m. The long sides were straight and parallel and the short ends were fairly rounded. The sides of the cut were steep and the base flat. The feature was well-defined. Its dark grey silty fill contained numerous stones, many heat-shattered and lenses and patches of charcoal. The regular rectangular shape of this feature is similar to that of burnt mound troughs, although no trace of a mound was recorded on this site. The presence of burnt stones in the fill of the feature must make it likely that an activity involving similar hot stone technologies had taken place here. About 58m to the north-east was a shallow hollow, c.0.8m in diameter, containing 4 stones and some charcoal. This was so shallow and poorly defined that it was interpreted as a burnt root hollow of a small bush. This site lies just below 10m OD about 170m west of the Afon Wen and on its flood plain, and the area was seen to be covered by alluvial silts. It is on the edge of an area of earthworks that may be the remains of a medieval settlement (PRN 5733), possibly associated with a mill on the Afon Wen, the exact location of which is not known (PRN 29705). These earthworks were recorded during the assessment for the A497 road improvement but as the road route ran considerably to the north this area was not investigated and the actual nature of the site is not confirmed. It is therefore possible that while this may have been a burnt mound trough it could be related to much later activity. Unfortunately no datable material was recovered from this feature so no radiocarbon date could be obtained. No other features possibly

related to medieval settlement were identified in this area during the watching brief. (Kenney, 2013).

EVIDENCE

CONDITION INFORMATION

CONDITION: None Recorded CONDITION RATING: None Recorded DESCRIPTION: None Recorded RELATED EVENT PRN: YEAR:

STATUS None Recorded

ASSOCIATED EVENTS

GAT44869 Gas Pipeline Replacement: Pwllheli City Gate PRI to Blaenau Ffestiniog PRI 2012
GAT44870 Gas Pipeline Replacement: Pwllheli City Gate PRI to Blaenau Ffestiniog PRI. Reports on Archaeological Mitigation (Volume 1 and 2). 2013

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: Kenney, J. 2012, Gas Pipeline Replacement: Pwllheli City Gate PRI to Blaenau Ffestiniog PRI: Archaeological Assessment of Potential for Analysis Report, , , , GAT Report 1020
Report: Kenney, J. 2013, Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog: Report on Archaeological Mitigation, Volume 1, , , , GAT Report 1136 (Volume 1)
Report: Bale, R., Bates, M., Cootes, K., Giorgi, J., Goodwin, J., Grants, F., Hamilton, D., Jenkins, D., Macphail, R., McKinley, J., Nayling 2013, Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog: Report on Archaeological Mitigation, Volume 2: Specialist Reports, , , , GAT Report 1136 (Volume 2)

, ,

PRN 35033

NAME River Ford, South of Pont Llwyn Gwyn

NGR SH42703677

COMMUNITY Llanystumdwy

PERIOD AND TYPE POST MEDIEVAL, FORD, Sitetype ranking: 1

SUMMARY

DESCRIPTION An additional feature, not identified in the desk based assessment but which became apparent during the initial site clearance by Mowlem, was a river ford south of Pont Llwyngwyn, crossing the Afon Ddu (3.2km along the scheme). The fording point involved a widening of the river to make it shallower with wall revetments on each riverbank, running on a north-south alignment. The ford was directly below the bridge and was assumed to be part of the Porthdinllaen Turnpike Trust Road (Feature 22: the Holloway) that was succeeded by the bridge and the realigned road in the mid-19th century. The wall revetments were built from several courses of sub-rounded stone, built in a trapezoidal fashion. The walls were heavily overgrown with trees and were in a dilapidated state (Plate 44). Impact: The ford was surveyed using an EDM and a photographic record was made of the area. The ford was removed as part of the road building project and the river culverted to allow the new road to cross via an embankment. (Berks, Davidson, Roberts & Smith 2007)

EVIDENCE

CONDITION INFORMATION

CONDITION: None Recorded CONDITION RATING: None Recorded DESCRIPTION: None Recorded RELATED EVENT PRN: YEAR:

STATUS None Recorded

ASSOCIATED EVENTS

GAT40572 Archaeological Excavation and Recording During the A497 Road Improvement Scheme, Gwynedd 2007

GAT45076 Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment and Field Reconnaissance Survey. 2010

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: Berks, T., Davidson, A., Roberts, J. & Smith, G. 2007, Archaeological Excavation and Recording During the A497 Road Improvement Scheme, Gwynedd, , , , GAT Report No. 625

Report: RSK Environment Ltd 2010, Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment and Field Reconnaissance Survey., , , ,

, ,

PRN 37852

NAME Boundary, S of Tyddyn y Berth

NGR SH43603726

COMMUNITY Llanystumdwy

PERIOD AND TYPE POST MEDIEVAL, BOUNDARY, Sitetype ranking: 1

SUMMARY Boundary, S of Tyddyn y Berth, Post-Medieval in date.

DESCRIPTION Located in middle of present field. Not recorded because no longer visible. Boundary shown on tithe map. (Kenney, 2013)

EVIDENCE

CONDITION INFORMATION

CONDITION: None Recorded CONDITION RATING: None Recorded DESCRIPTION: None Recorded RELATED EVENT PRN: YEAR:

STATUS None Recorded

ASSOCIATED EVENTS

GAT44870 Gas Pipeline Replacement: Pwllheli City Gate PRI to Blaenau Ffestiniog PRI. Reports on Archaeological Mitigation (Volume 1 and 2). 2013

GAT45076 Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment and Field Reconnaissance Survey. 2010

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: Kenney, J. 2013, Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog: Report on Archaeological Mitigation, Volume 1, , , , GAT Report 1136 (Volume 1)

Report: Bale, R., Bates, M., Cootes, K., Giorgi, J., Goodwin, J., Grants, F., Hamilton, D., Jenkins, D., Macphail, R., McKinley, J., Nayling 2013, Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog: Report on Archaeological Mitigation, Volume 2: Specialist Reports, , , , GAT Report 1136 (Volume 2)

Report: RSK Environment Ltd 2010, Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment and Field Reconnaissance Survey., , , ,

, ,

PRN 37853

NAME Hedge-bank, S of Tyddyn y Berth

NGR SH43643729

COMMUNITY Llanystumdwy

PERIOD AND TYPE POST MEDIEVAL, HEDGE BANK, Sitetype ranking: 1

SUMMARY Hedge-bank, S of Tyddyn y Berth, Post-Medieval in date.

DESCRIPTION Earth bank with cobbled stone revetment on outer sides. Boundary to group of regular fields. (Kenney, 2013)

EVIDENCE

CONDITION INFORMATION

CONDITION: None Recorded CONDITION RATING: None Recorded DESCRIPTION: None Recorded RELATED EVENT PRN: YEAR:

STATUS None Recorded

ASSOCIATED EVENTS

GAT44870 Gas Pipeline Replacement: Pwllheli City Gate PRI to Blaenau Ffestiniog PRI. Reports on Archaeological Mitigation (Volume 1 and 2). 2013

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: Kenney, J. 2013, Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog: Report on Archaeological Mitigation, Volume 1, , , GAT Report 1136 (Volume 1)

Report: Bale, R., Bates, M., Cootes, K., Giorgi, J., Goodwin, J., Grants, F., Hamilton, D., Jenkins, D., Macphail, R., McKinley, J., Nayling 2013, Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog: Report on Archaeological Mitigation, Volume 2: Specialist Reports, , , GAT Report 1136 (Volume 2)

, ,

PRN 56896

NAME Pond, NW of Penrhyn

NGR SH4308235821

COMMUNITY Llannor

PERIOD AND TYPE POST MEDIEVAL, POND, Sitetype ranking: 1

SUMMARY

DESCRIPTION Site identified using early Ordnance Survey Maps (McGuinness, 2014)

EVIDENCE

CONDITION INFORMATION

CONDITION: None Recorded CONDITION RATING: None Recorded DESCRIPTION: None Recorded RELATED EVENT PRN: YEAR:

STATUS None Recorded

ASSOCIATED EVENTS

GAT44558 Glastir Private Woodland Management Polygonisation 2014

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Data Import: McGuiness, N. 2014, Glastir Private Woodland Management Polygonisation, , , ,

, ,

PRN 5732

NAME Hut Circles, Nr Pont Llwyn Gwyn

NGR SH42793688

COMMUNITY Llanystumdwy

PERIOD AND TYPE Roman, HUT CIRCLE, Sitetype ranking: 1

SUMMARY

DESCRIPTION Two circular banks in a low-lying marshy area beside the stream appear to be hut circles of Romano British or possibly earlier date. One has already been damaged, being bisected by a gas pipeline, and the whole area has been very much churned up, probably by boreholing machine. (Mason 1993) (GAT, 1996)

EVIDENCE EARTHWORK**CONDITION INFORMATION**

CONDITION: Damaged CONDITION RATING: Poor DESCRIPTION: RELATED EVENT PRN: 40168 YEAR: 1993

STATUS Environmentally Sensitive Area

ASSOCIATED EVENTS

GAT40168 A497 Abererch to Llanystumdwy Road Improvements 1993

GAT40782 Hut Circle Settlement Survey 1998

GAT40381 A497 Abererch to Llanystumdwy Road Improvements 1996

GAT44083 A497 Improvement Pipeline Diversions Archaeology & Heritage 2005

GAT44082 A497 Improvement Pipeline Diversions Archaeology & Heritage 2004

GAT44557 Early Celtic Societies in North Wales 2010

GAT45076 Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment and Field Reconnaissance Survey. 2010

GAT45081 Land At Bryn Bachau Farm, Chwilog, Gwynedd. 2015

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: Mason, M. 1993, A497 Abererch to Llanystumdwy Road Improvements, , , , GAT Report No. 060

Database: Waddington, K. 2010, Early Celtic Societies in North Wales, , , ,

Book: Waddington, K. 2013, The Settlements of Northwest Wales: From the Late Bronze Age to the Early Medieval Period, , , , HER Library Record No. 2377

Report: 1996, A497 Abererch to Llanystumdwy Road Improvements: Archaeological Assessment, , , , GAT Report No. 224

Report: RSK Environment Ltd 2010, Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment and Field Reconnaissance Survey., , , ,

Report: Railton, M. 2015, Land At Bryn Bachau Farm, Chwilog, Gwynedd, , , , Report No. CP11402

Smith, G. 1998 , Hut Circle Settlement Survey, G1104 <2>

Fairburn, N. RSK Environment Ltd. 2004 , A497 Improvement Pipeline Diversions Archaeology & Heritage, P40109/06/04/02 REV04 <4>

Fairburn, N. RSK Environment Ltd. 2005 , A497 Improvement Pipeline Diversions Archaeology & Heritage, P40109/06/04/02 REV05 <5>

PRN 5733

NAME Earthworks, SE of Tyddyn Berth

NGR SH43753732

COMMUNITY Llanystumdwy

PERIOD AND TYPE Unknown, EARTHWORK, Sitetype ranking: 1

SUMMARY

DESCRIPTION A large area of substantial earthworks. These appear too massive and too confused in plan to be connected with drainage, and only a small area of the field to the west of them is wet. They may well, therefore represent settlement remains, perhaps from the medieval period; and as this site is not at all far away from the sea edge site, now eroded, suggested by Gresham as the most likely spot for the main settlement of the township of Penychain, it is possible that it could turn out to be very interesting. (Mason, 1993) A large area of substantial earthworks. These appear too massive and too confused in plan to be connected with drainage, and only a small area of the field to the west of them is wet. They may well, therefore represent settlement remains, perhaps from the Medieval period. (GAT, 1996) Damaged. (Jones, 1997)

EVIDENCE EARTHWORK

CONDITION INFORMATION

CONDITION: Intact CONDITION RATING: Good DESCRIPTION: RELATED EVENT PRN: 40168 YEAR: 1993

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: RELATED EVENT PRN: 40322 YEAR: 1997

STATUS Environmentally Sensitive Area

ASSOCIATED EVENTS

GAT40168 A497 Abererch to Llanystumdwy Road Improvements 1993

GAT40835 Deserted Rural Settlement Survey 1996

GAT40381 A497 Abererch to Llanystumdwy Road Improvements 1996

GAT44082 A497 Improvement Pipeline Diversions Archaeology & Heritage 2004

GAT44083 A497 Improvement Pipeline Diversions Archaeology & Heritage 2005

GAT40322 Deserted Rural Settlement in Western Caernarfonshire 1997

GAT45076 Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment and Field Reconnaissance Survey. 2010

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: Mason, M. 1993, A497 Abererch to Llanystumdwy Road Improvements, , , , GAT Report No. 060

Report: 1996, A497 Abererch to Llanystumdwy Road Improvements: Archaeological Assessment, , , , GAT Report No. 224

Report: Jones, S. 1997, Deserted Rural Settlement in Western Caernarvonshire, , , , GAT Report No. 247

Report: RSK Environment Ltd 2010, Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment and Field Reconnaissance Survey., , , ,

Fairburn, N. RSK Environment Ltd. 2004 , A497 Improvement Pipeline Diversions Archaeology & Heritage, P40109/06/04/02 REV04 <4>

Fairburn, N. RSK Environment Ltd. 2005 , A497 Improvement Pipeline Diversions Archaeology & Heritage, P40109/06/04/02 REV05 <5>

PRN 59624

NAME Ford, Remains of, Afonwen

NGR SH44163707

COMMUNITY Llannor

PERIOD AND TYPE UNKNOWN, FORD, Sitetype ranking: 1

SUMMARY

DESCRIPTION Traces survive of a small ford at this point. (Dutton & Gwyn, 1996)

EVIDENCE EARTHWORK

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: FAIR DESCRIPTION: RELATED EVENT PRN: 40325 YEAR: 1996

STATUS None Recorded

ASSOCIATED EVENTS

GAT40325 Coastal Erosion Survey: Aberdaron to Aberdyfi 1996

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: Dutton, L. A. & Gwyn, D. 1996, Coastal Erosion Survey: Aberdaron to Aberdyfi (Revised 1996), , , GAT Report No.198

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PRN 62803

NAME N Farm Range at Penychain, Llannor

NGR SH4269936295

COMMUNITY Llannor

PERIOD AND TYPE Post Medieval, Farm, Sitetype ranking: 1

SUMMARY A range built at Penychain. Penychain was built by the Glyn-llifon Estate in the mid 19th century as a model farm.

DESCRIPTION The interior contains carefully designed double beast stalling against both E and W walls, with seats flanking the entrance. King post trusses, some with raking struts.

EVIDENCE

CONDITION INFORMATION

CONDITION: None Recorded CONDITION RATING: None Recorded DESCRIPTION: None Recorded RELATED EVENT PRN: YEAR:

STATUS Listed Building 21339 II

ASSOCIATED EVENTS

GAT45076 Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment and Field Reconnaissance Survey. 2010

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Online Resource: , Cof Cymru - National Historic Assets of Wales, , , ,
Report: RSK Environment Ltd 2010, Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment and Field Reconnaissance Survey., , , ,

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PRN 62823

NAME Farm Outbuilding at Penychain, Llannor

NGR SH4271936261

COMMUNITY Llannor

PERIOD AND TYPE Post Medieval, FARM, Sitetype ranking: 1

SUMMARY A farm outbuilding at Penychain. Penychain was built on the Glynllifon Estate in the mid 19th century as a model farm. The farm buildings demonstrate an efficient and organised approach to farming undertaken by large estates of the mid Victorian period.

DESCRIPTION**EVIDENCE****CONDITION INFORMATION**

CONDITION: None Recorded CONDITION RATING: None Recorded DESCRIPTION: None Recorded RELATED EVENT PRN: YEAR:

STATUS Listed Building 21342 II

ASSOCIATED EVENTS**ASSOCIATED ARTEFACTS**

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Online Resource: , Cof Cymru - National Historic Assets of Wales, , , ,

, ,

PRN 62832

NAME Penychain Farmhouse, Llannor

NGR SH4273436263

COMMUNITY Llannor

PERIOD AND TYPE Post Medieval, HOUSE, Sitetype ranking: 1

SUMMARY Penychain farmhouse was built by the Glynllifon Estate in the mid 19th century as a model farm.

DESCRIPTION**EVIDENCE****CONDITION INFORMATION**

CONDITION: None Recorded CONDITION RATING: None Recorded DESCRIPTION: None Recorded RELATED EVENT PRN: YEAR:

STATUS Listed Building 21337 II

ASSOCIATED EVENTS

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Online Resource: , Cof Cymru - National Historic Assets of Wales, , , ,

, ,

PRN 62833

NAME Piggery at Penychain, Llannor

NGR SH4272436279

COMMUNITY Llannor

PERIOD AND TYPE Post Medieval, PIG FARM, Sitetype ranking: 1

SUMMARY A piggery range at Penychain. Penychain was built by the Glyn-Ilifon Estate in the mid 19th century as a model farm.

DESCRIPTION

EVIDENCE

CONDITION INFORMATION

CONDITION: None Recorded CONDITION RATING: None Recorded DESCRIPTION: None Recorded RELATED EVENT PRN: YEAR:

STATUS Listed Building 21341 II

ASSOCIATED EVENTS

GAT45076 Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment and Field Reconnaissance Survey. 2010

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Online Resource: , Cof Cymru - National Historic Assets of Wales, , , ,

Report: RSK Environment Ltd 2010, Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment and Field Reconnaissance Survey., , , ,

, ,

PRN 62838

NAME S Range of Farm Buildings at Penychain, Llannor

NGR SH4270436265

COMMUNITY Llannor

PERIOD AND TYPE Post Medieval, FARM BUILDING, Sitetype ranking: 1

SUMMARY A range of farm buildings at Penychain. Penychain was built by the Glyn-Ilifon Estate in the mid 19th century as a model farm.

DESCRIPTION The building has king-post trusses with raking struts, two loose-boxes probably for calves, with a further section perhaps for weaning, and arrangements for cow stalling.

EVIDENCE

CONDITION INFORMATION

CONDITION: None Recorded CONDITION RATING: None Recorded DESCRIPTION: None Recorded RELATED EVENT PRN: YEAR:

STATUS Listed Building 21338 II

ASSOCIATED EVENTS

GAT45076 Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment and Field Reconnaissance Survey. 2010

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Online Resource: , Cof Cymru - National Historic Assets of Wales, , , ,

Report: RSK Environment Ltd 2010, Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment and Field Reconnaissance Survey., , , ,

, ,

PRN 62841

NAME Stables with Granary, Cartshed and Farmyard Entrance Piers at Penychain, Llannor

NGR SH4267736272

COMMUNITY Llannor

PERIOD AND TYPE Post Medieval, STABLE, Sitetype ranking: 1

SUMMARY A number of buildings including: stables with granary, cart shed, and farmyard entrance piers at Penychain. Penychain was built by the Glyn-llifon Estate in the mid 19th century as a model farm. The farm buildings demonstrate an efficient and organised approach to farming undertaken by large estates of the mid Victorian period.

DESCRIPTION

EVIDENCE

CONDITION INFORMATION

CONDITION: None Recorded CONDITION RATING: None Recorded DESCRIPTION: None Recorded RELATED EVENT PRN: YEAR:

STATUS Listed Building 21340 II

ASSOCIATED EVENTS

GAT45076 Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment and Field Reconnaissance Survey. 2010

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Online Resource: , Cof Cymru - National Historic Assets of Wales, , , ,

Report: RSK Environment Ltd 2010, Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological

Desk Based Assessment and Field Reconnaissance Survey., , , ,

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PRN 6788

NAME Fishtrap, Possible, Porth Fechan

NGR SH43803610

COMMUNITY Llannor

PERIOD AND TYPE Unknown, FISH TRAP, Sitetype ranking: 1

SUMMARY

DESCRIPTION

EVIDENCE

CONDITION INFORMATION

CONDITION: None Recorded CONDITION RATING: None Recorded DESCRIPTION: None Recorded RELATED EVENT PRN: YEAR:

STATUS None Recorded

ASSOCIATED EVENTS

GAT43434 Prn 6788 Gat Site Visit 2000

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

: , , , , ,

Smith, G. 2000 , Prn 6788, <1>

PRN 68477

NAME Cambrian Railway, Llanystumdwy

NGR SH4362037000

COMMUNITY Llanystumdwy

PERIOD AND TYPE POST MEDIEVAL, RAILWAY, Sitetype ranking: 1

SUMMARY Cambrian Railway coast section.

DESCRIPTION Still apparent as linear embankment/cutting to S of Aberech, Chwillog and Llanystumdwy.

"Embankment is fenced off and overgrown with scrub" - near Afon Wen. Opened in 1867, track removed 1968.

The embankment on the northern side of the A497 was removed to accommodate the new road and was monitored by a watching brief. No evidence for the railway line was uncovered. The pier on the south side was also removed and the embankment cut back. (RSK Environment Ltd., 2010)

EVIDENCE DOCUMENTARY EVIDENCE

CONDITION INFORMATION

CONDITION: NOT KNOWN CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45076 YEAR: 2010

STATUS None Recorded

ASSOCIATED EVENTS

GAT45076 Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment and Field Reconnaissance Survey. 2010

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: RSK Environment Ltd 2010, Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment and Field Reconnaissance Survey., , , ,

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PRN 68501

NAME Tyddyn Berth, Maentwrog

NGR SH4359537360

COMMUNITY Llanystumdwy

PERIOD AND TYPE POST MEDIEVAL, FARMSTEAD, Sitetype ranking: 1

SUMMARY A farmstead appears on the 1819 OS manuscript map at this location.

DESCRIPTION Associated walled farm track. Not visible on 2nd Edition OS of the area. The true former location of the farmstead is most likely to be the series of earthworks located to the southwest of this position. (RSK Environment Ltd., 2010)

EVIDENCE DOCUMENTARY EVIDENCE

CONDITION INFORMATION

CONDITION: NOT KNOWN CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45076 YEAR: 2010

STATUS None Recorded

ASSOCIATED EVENTS

GAT45076 Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment and Field Reconnaissance Survey. 2010

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: RSK Environment Ltd 2010, Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment and Field Reconnaissance Survey., , , ,

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PRN 68538

NAME Former Field Boundary, Possible, Bryn Bachau

NGR SH4309537418

COMMUNITY Llanystumdwy

PERIOD AND TYPE UNKNOWN, FIELD BOUNDARY, Sitetype ranking: 1

SUMMARY Curvilinear soil-filled ditch which may be a former field boundary as it follows the approximate alignment of the field boundary to the north.

DESCRIPTION

EVIDENCE

CONDITION INFORMATION

CONDITION: None Recorded CONDITION RATING: None Recorded DESCRIPTION: None Recorded RELATED EVENT PRN: YEAR:

STATUS None Recorded

ASSOCIATED EVENTS

GAT45081 Land At Bryn Bachau Farm, Chwilog, Gwynedd. 2015

GAT45283 Land at Bryn Bachau Farm, Chwilog, Gwynedd. Archaeological Trial Trenching Report. 2015

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: Railton, M. 2015, Land At Bryn Bachau Farm, Chwilog, Gwynedd, , , , Report No. CP11402

Report: McElligott, M. 2015, BNRG Renewables Ltd. Land at Bryn Bachau Farm, Chwilog, Gwynedd.

Archaeological Trial Trenching Report. , , , CP11495/15

, ,

PRN 68539

NAME Former Field Boundaries, Possible, Bryn Bachau

NGR SH4293437065

COMMUNITY Llanystumdwy

PERIOD AND TYPE UNKNOWN, FIELD BOUNDARY, Sitetype ranking: 2

UNKNOWN, DRAIN, Sitetype ranking: 1

SUMMARY A series of probable former field boundaries of unknown date.

DESCRIPTION On trial trenching in this area only a land drain was found (McElligott 2015).

EVIDENCE

CONDITION INFORMATION

CONDITION: None Recorded CONDITION RATING: None Recorded DESCRIPTION: None Recorded RELATED EVENT PRN: YEAR:

STATUS None Recorded

ASSOCIATED EVENTS

GAT45081 Land At Bryn Bachau Farm, Chwilog, Gwynedd. 2015

GAT45283 Land at Bryn Bachau Farm, Chwilog, Gwynedd. Archaeological Trial Trenching Report. 2015

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: Railton, M. 2015, Land At Bryn Bachau Farm, Chwilog, Gwynedd, , , , Report No. CP11402

Report: McElligott, M. 2015, BNRG Renewables Ltd. Land at Bryn Bachau Farm, Chwilog, Gwynedd.

Archaeological Trial Trenching Report. , , , CP11495/15

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PRN 71174

NAME Ford at Afon Wen

NGR SH44123719

COMMUNITY Llanystumdwy

PERIOD AND TYPE Unknown, FORD, Sitetype ranking: 1

SUMMARY

DESCRIPTION A ford which straddles the Afon Wen below a private road bridge and the railway line bridge. The sett stones can be clearly seen when the water is low and calm. There appears to be two different styles of stones making up this ford.

EVIDENCE

CONDITION INFORMATION

CONDITION: None Recorded CONDITION RATING: None Recorded DESCRIPTION: None Recorded RELATED EVENT PRN: YEAR:

STATUS None Recorded

ASSOCIATED EVENTS

GAT44886 Arfordir Coastal Heritage: Final Report 2012

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: Parry, I., Parry, L., Evans, R., Hopewell, D., Davidson, A., Williams, T., and Berks, T. 2012, Arfordir Coastal Heritage: Final Report, , , , GAT Report No. 1044

''

PRN 71178

NAME Old Sewage Plant

NGR SH44133705

COMMUNITY Llannor

PERIOD AND TYPE Modern, SEWAGE WORKS, Sitetype ranking: 1

SUMMARY

DESCRIPTION A rectangular concrete building which has been demolished with a concrete modern structure attached to it. Sewage disposal plant.

EVIDENCE

CONDITION INFORMATION

CONDITION: None Recorded CONDITION RATING: None Recorded DESCRIPTION: None Recorded RELATED EVENT PRN: YEAR:

STATUS None Recorded

ASSOCIATED EVENTS

GAT44886 Arfordir Coastal Heritage: Final Report 2012

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: Parry, I., Parry, L., Evans, R., Hopewell, D., Davidson, A., Williams, T., and Berks, T. 2012, Arfordir Coastal Heritage: Final Report, , , , GAT Report No. 1044

, ,

PRN 7248

NAME HMS Glendower, Pen y Chain

NGR SH43303620

COMMUNITY Llannor

PERIOD AND TYPE Modern, NAVAL BASE, Sitetype ranking: 1

SUMMARY

DESCRIPTION A second world war naval base (HMS Glendower) in re-use as Butlin's holiday camp. A considerable number of possible gun-emplacements, searchlight batteries, etc. survive at the S end of the site, also features dating from the post-war period, such as a chair lift and a narrow-gauge pleasure railway. (Dutton & Gwyn, 1996)

EVIDENCE COMPLEX

CONDITION INFORMATION

CONDITION: NEAR INTACT CONDITION RATING: GOOD DESCRIPTION: RELATED EVENT PRN: 40325 YEAR: 1996

STATUS None Recorded

ASSOCIATED EVENTS

GAT40325 Coastal Erosion Survey: Aberdaron to Aberdyfi 1996

GAT44886 Arfordir Coastal Heritage: Final Report 2012

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: Dutton, L. A. & Gwyn, D. 1996, Coastal Erosion Survey: Aberdaron to Aberdyfi (Revised 1996), , , , GAT Report No.198

Report: Parry, I., Parry, L., Evans, R., Hopewell, D., Davidson, A., Williams, T., and Berks, T. 2012, Arfordir Coastal Heritage: Final Report, , , , GAT Report No. 1044

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PRN 7344

NAME Penychen Medieval Township, Llannor

NGR SH42703620

COMMUNITY Llannor

PERIOD AND TYPE Medieval, TOWNSHIP, Sitetype ranking: 1

SUMMARY**DESCRIPTION**

EVIDENCE**CONDITION INFORMATION**

CONDITION: None Recorded CONDITION RATING: None Recorded DESCRIPTION: None Recorded RELATED EVENT PRN: YEAR:

STATUS None Recorded

ASSOCIATED EVENTS**ASSOCIATED ARTEFACTS**

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

: , , , , ,

Johnstone, N. 1997 , Prn 7344, <1>

PRN 74561

NAME Clawdd Wall, Hafan-y-Mor

NGR SH4341637037

COMMUNITY Llanystumdwy

PERIOD AND TYPE POST MEDIEVAL, CLAWDD, Sitetype ranking: 1

SUMMARY A clawdd wall at Hafan-y-Mor.

DESCRIPTION The earliest of the structures was a 'clawdd' wall (plural 'cloddiau') (29) running approximately east west across the site (see FIGURE 5, PLATE 5 AND PLATE 6). This type of boundary is literally translated as a hedge, dyke or embankment and is a traditional Welsh construction form commonly found on the Llyn Peninsula. It is not strictly speaking a wall, but rather a stone faced earthen bank (WWW.DRY-STONE.CO.UK) and this particular example had a low hedge on the top of it and a ditch running alongside. The stone facing had only been used on the northern face and two sets of stone gate posts were recorded along the length of the wall. It is therefore believed that this structure was used to define a pathway/right of way between fields. As far as it was possible to follow the length of the clawdd it ran the full width of the development plot and the stone element (not including the hedge) survived to a maximum height of 1.10m and a maximum width of 1.70m. The wall survey suggests that the clawdd walls are Post Medieval (Rees & Williams, 2013).

EVIDENCE STRUCTURE**CONDITION INFORMATION**

CONDITION: NOT KNOWN CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45327 YEAR: 2018

STATUS None Recorded

ASSOCIATED EVENTS

GAT45327 Hafan-y-Mor Archaeological Fieldwork Report 2013

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: Rees, C., & Williams, M. 2013, Hafan-y-Mor: Archaeological Fieldwork Report, , , , LP1163C

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PRN 74562

NAME Structure, Hafan-y-Mor

NGR SH4342936870

COMMUNITY Llanystumdwy

PERIOD AND TYPE POST MEDIEVAL, STRUCTURE, Sitetype ranking: 1

SUMMARY A small square brick built structure of post medieval date.

DESCRIPTION The second of the structures was a small square, brick built structure with a concrete pad roof and base (Feature 30) identified in undergrowth to the South-west of the development area (FIGURE 5 and PLATE 7). The dimensions of the building were 1.40m x 1.40m x 1.15m in height. The concrete pad on the roof was 0.08m thick. The structure was enclosed on three sides with no windows and open to the front. There was evidence that this originally had a door or hinged flap. There were two metal pipes leading from the building interior to the outside. The function of this building is unclear but it is likely to have been associated with the Second World War usage of the site as a naval camp. The small size and low ceiling height would have limited what the structure was used for but it could have held goods or a single person in a blast proof environment (Rees & Williams, 2013).

EVIDENCE STRUCTURE

CONDITION INFORMATION

CONDITION: NOT KNOWN CONDITION RATING: NOT RECORDED DESCRIPTION: RELATED EVENT PRN: 45327
YEAR: 2018

STATUS None Recorded

ASSOCIATED EVENTS

GAT45327 Hafan-y-Mor Archaeological Fieldwork Report 2013

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: Rees, C., & Williams, M. 2013, Hafan-y-Mor: Archaeological Fieldwork Report, , , , LP1163C

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PRN 74563

NAME Pit Group, Hafan-y-Mor

NGR SH4335937053

COMMUNITY Llanystumdwy

PERIOD AND TYPE UNKNOWN, PIT CLUSTER, Sitetype ranking: 1

SUMMARY A cluster of five pits / possible pits.

DESCRIPTION 4.4.5. A cluster of five pits/possible pits were excavated in the road area between the proposed location of base 2 and bases 74 and 75 (FIGURE 5 AND FIGURE 6). All features were sealed by the subsoil (003) and were cut into the underlying natural (002) and despite their close grouping were not inter-cut. The group comprised pits [007], [009], [011], [013] and [015], and were assigned the group number [006]. 4.4.6. Of the five features [007], [009] and [011] reaching maximum depths of 0.07m, 0.05m and 0.03m respectively(see FIGURE 7, FIGURE 8, FIGURE 9). These three features were irregular in plan and profile with the maximum length and width dimensions as follows: [007] maximum length 0.80m, maximum width 0.80m, [009] maximum length 0.80m, maximum width 0.66m, [011] maximum length 0.80m, maximum width 0.54m. 4.4.7.

Features [013] and [015] (FIGURE 10 and FIGURE 11) were more defined and survived to greater depths with the maximum depth of [013] reaching 0.34m and the maximum depth of [015] reaching 0.15m. Both pits were irregular in plan although the profiles varied. Pit [013] was half-sectioned across its northeast – south-west axis and was shown to have a concave profile, sloping steeply on the south-western side and gently on the north-eastern side. The feature was the largest in the group, with the maximum length measured at 1.36m and the maximum width measured at 1.00m. 4.4.8. The dimensions in plan of feature [015] were more akin to [007], [009] and [011] with a maximum length of 0.76m and a maximum width of 0.62m. The pit was cross-sectioned along an approximate north – south axis. The profile varied and the feature was shallow to the south with a steep near vertical slope at the northern extent. 4.4.9. The fills of all features within this group were indistinguishable from each other, with each feature containing a single mid-brown silty clay fill. None of the features contained any artefactual material and no charcoal or dating evidence. 4.4.10. Given the shallow depth of three of the features and the irregular nature of the group in general it is difficult to draw any firm conclusions as to the function, origin or date of these features. It appears that what survives are either the bases of features which were once of a much greater depth or that this group was formed by natural processes – most likely animal burrowing (Rees & Williams, 2013).

EVIDENCE EXCAVATED FEATURE

CONDITION INFORMATION

CONDITION: NOT KNOWN CONDITION RATING: NOT RECORDED DESCRIPTION: RELATED EVENT PRN: 45327
YEAR: 2018

STATUS None Recorded

ASSOCIATED EVENTS

GAT45327 Hafan-y-Mor Archaeological Fieldwork Report 2013

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: Rees, C., & Williams, M. 2013, Hafan-y-Mor: Archaeological Fieldwork Report, , , LP1163C

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PRN 74564

NAME Ditch, Hafan-y-Mor

NGR SH4336237011

COMMUNITY Llanystumdwy

PERIOD AND TYPE UNKNOWN, LINEAR FEATURE, Sitetype ranking: 1

SUMMARY A linear feature of unknown date.

DESCRIPTION A linear feature [004] was identified to the south of Pit Group [006] (FIGURE 5 AND FIGURE 12). The ditch extended beyond the limit of excavation and a length of approximately 4m was initially recorded within the stripped area. Further stripping revealed that the feature continued for at least another 5m on the same alignment. The feature was aligned north-east – south-west and had a shallow, concave profile. The maximum depth of feature [004] was 0.11m and the maximum width was 0.60m. The feature cut the natural and was sealed by the subsoil. The feature contained a single mid-brown, silty clay fill with moderate gravel inclusions (005). This fill contained no artefactual or dating evidence and the feature could therefore not be assigned a date with absolute certainty. It was however felt that this feature was likely to have been a Post-Medieval agricultural feature, either a land drain or field boundary and several such features were identified on the site (Rees & Williams, 2013).

EVIDENCE EXCAVATED FEATURE

CONDITION INFORMATION

CONDITION: NOT KNOWN CONDITION RATING: NOT RECORDED DESCRIPTION: RELATED EVENT PRN: 45327
YEAR: 2018

STATUS None Recorded

ASSOCIATED EVENTS

GAT45327 Hafan-y-Mor Archaeological Fieldwork Report 2013

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: Rees, C., & Williams, M. 2013, Hafan-y-Mor: Archaeological Fieldwork Report, , , , LP1163C

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PRN 74565

NAME Ditch, Hafan-y-Mor

NGR SH4336237014

COMMUNITY Llanystumdwy

PERIOD AND TYPE UNKNOWN, LINEAR FEATURE, Sitetype ranking: 1

SUMMARY A linear feature with a 90 degree return.

DESCRIPTION Feature [032] was ditch with a 90 degree return or the corner of a larger feature (see FIGURE 13 and PLATE 8). It cut the natural and was sealed by the topsoil. The ditch was aligned roughly north-south (5.0m visible in plan) with an east-west return (3.30m visible in plan), was approximately 1.0m wide and survived to a maximum depth of 0.26m. The ditch profile was concave with a flat base. Ditch [032] contained a single fill (033) which was recorded as a loose brown clay-silt with well sorted small to medium rounded stone inclusions. No artefactual or datable material was recovered and without having seen the full nature and extent of the feature in plan it is impossible to speculate as to its form, date or function. Nothing similar was recorded during earlier excavations in the area to aid interpretation (Rees & Williams, 2013).

EVIDENCE EXCAVATED FEATURE

CONDITION INFORMATION

CONDITION: NOT KNOWN CONDITION RATING: NOT RECORDED DESCRIPTION: RELATED EVENT PRN: 45327
YEAR: 2018

STATUS None Recorded

ASSOCIATED EVENTS

GAT45327 Hafan-y-Mor Archaeological Fieldwork Report 2013

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: Rees, C., & Williams, M. 2013, Hafan-y-Mor: Archaeological Fieldwork Report, , , , LP1163C

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PRN 74566

NAME Drainage Features, Hafan-y-Mor

NGR SH4353836994

COMMUNITY Llanystumdwy

PERIOD AND TYPE POST MEDIEVAL, DRAINAGE DITCH, Sitetype ranking: 1

SUMMARY Numerous agricultural drainage features of post-medieval date.

DESCRIPTION Numerous agricultural drainage features were identified during the stripping of the site, particularly in the areas to the north and north-east of the development area where the underlying natural is clay rather than the freer draining sand and gravel mix found elsewhere. The location of the two main drainage features were noted (FIGURE 5) and a basic photographic record made but the majority of these features were unexcavated due to the high water level. All drainage features were cut into the natural and sealed by the subsoil. 4.4.16. One example [025] was fully cleaned and a section through was excavated through the drain (see FIGURE 14 and PLATE 9). The feature was curvilinear in plan and extended beyond the boundaries of the development area. Approximately 12.00m of the length was exposed in plan and the maximum width of the drain was 1.90m although the width measured 1.50 – 1.60m along the majority of its length. The maximum depth of the feature was 0.36m. The ditch profile was wide and shallow sloping with slightly concave sides which drop away to near vertical for a width of approximately 0.60m at the centre of the feature. The drain had a flat base. The drain was still active and the water level reached the point where the sides sloped steeply. 4.4.17. The drain contained three fills, (026), (027) and (028). The lower section was filled with sub-rounded cobbles (028) which reached the height where the feature sides sloped more gently. Deposit (028) was overlain by layer (027) which was a loose, fine grained grey clay. Deposit (027) was overlain by layer (026) a loose brown clay which was similar to the overlying subsoil. Deposits (026) and (027) are backfill deposits used to cover the drain following the laying of the cobbles which form the main drainage element. 4.4.18. A single sherd of late 19th or early 20th Century date was recovered from deposit (028) during the excavation. The pottery is described in greater detail in the finds section of this report (Rees & Williams, 2013).

EVIDENCE EXCAVATED FEATURE

CONDITION INFORMATION

CONDITION: NOT KNOWN CONDITION RATING: NOT RECORDED DESCRIPTION: RELATED EVENT PRN: 45327
YEAR: 2018

STATUS None Recorded

ASSOCIATED EVENTS

GAT45327 Hafan-y-Mor Archaeological Fieldwork Report 2013

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: Rees, C., & Williams, M. 2013, Hafan-y-Mor: Archaeological Fieldwork Report, , , , LP1163C

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PRN 74567

NAME Features, Hafan-y-Mor

NGR SH4345336955

COMMUNITY Llanystumdwy

PERIOD AND TYPE MODERN, ARCHAEOLOGICAL FEATURE, Sitetype ranking: 1

SUMMARY A group of features possibly relating to the WWII phase of the site.

DESCRIPTION The final group of features uncovered during the strip, map and sample of Parcel 5 were clearly of modern origin and may belong to the WWII phase of site use and may therefore be significant. 4.4.20. Four

features were identified, three rectangular features [019], [020] and [021] with rounded ends and a single sub-square pit feature [017]. Unfortunately when excavation commenced the features were all found to contain asbestos and it was therefore considered unsafe to hand excavate. The depths, profiles etc of these features is therefore unknown. 4.4.21. Due to the inability to excavate these features no interpretation as to their form or function can be offered but it is thought that they could date from the period of or following WWII (Rees & Williams, 2013).

EVIDENCE EXCAVATED FEATURE

CONDITION INFORMATION

CONDITION: NOT KNOWN CONDITION RATING: NOT RECORDED DESCRIPTION: RELATED EVENT PRN: 45327
YEAR: 2018

STATUS None Recorded

ASSOCIATED EVENTS

GAT45327 Hafan-y-Mor Archaeological Fieldwork Report 2013

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: Rees, C., & Williams, M. 2013, Hafan-y-Mor: Archaeological Fieldwork Report, , , LP1163C

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PRN 74570

NAME Enclosure, Hafan-y-Mor

NGR SH4296635825

COMMUNITY Llannor

PERIOD AND TYPE POST MEDIEVAL, ENCLOSURE, Sitedtype ranking: 1

SUMMARY An enclosure of post-medieval date.

DESCRIPTION Trench 2 was aligned SW-NW and measured 1m by 3m with a maximum depth of 0.55m. The SW corner was at NGR242966,335825. It was close to the remains of a dry stone enclosure. The clawdd walls of the enclosure suggest a Post Medieval date. The section drawing is given in FIGURE 20 (Rees & Williams, 2013).

EVIDENCE STRUCTURE

CONDITION INFORMATION

CONDITION: NOT KNOWN CONDITION RATING: NOT RECORDED DESCRIPTION: RELATED EVENT PRN: 45327
YEAR: 2018

STATUS None Recorded

ASSOCIATED EVENTS

GAT45327 Hafan-y-Mor Archaeological Fieldwork Report 2013

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: Rees, C., & Williams, M. 2013, Hafan-y-Mor: Archaeological Fieldwork Report, , , LP1163C

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PRN 74571

NAME Cuts, Hafan-y-Mor

NGR SH4304635925

COMMUNITY Llannor

PERIOD AND TYPE UNKNOWN, PIT, Sitetype ranking: 1

SUMMARY Three cuts of an unknown function.

DESCRIPTION The humic topsoil (201) was 0.15m thick and contained occasional modern refuse such as foil and plastic. (201) sealed three cuts. In the northwest was a shallow sided scoop 0.30m deep [206]. The primary fill was friable mid brown silt (210) that accumulated when the pit was left open. This had been deliberately backfilled with angular rocks and dark brown silt (205). 6.4.7. In the north of the trench was the edge of a steep sided cut [204] running north south. The base was outside the area of the test pit, and the lowest fill was mid brown silt and angular rocks (203) that appeared to have slumped in from the edge of the feature. The tertiary fill was angular rocks, mortar flecks and dark brown silt (202) which contained one sherd of 19th/20th century brown glazed pot. In the east of the trench, parallel to [206] was the edge of a similar shallow scoop [208]. The upper fill of angular rocks and silt (207) was exposed and partially excavated. 6.4.8. All the features cut 0.40m thick mottled orange brown silt clay (209). This overlay natural compact grey yellow clay and gravel (211). 6.4.9. The function of the shallow sided cuts [206] and [208] is unclear although they appear to have been deliberately backfilled with rubble, possibly from the nearby structure. The steep sided cut may have been a drainage feature that was eventually filled with imported rubble including mortar. The backfill in all the features would have acted to solidify the marshy land. The finds suggest that this occurred during the 20th century (Rees & Williams, 2013).

EVIDENCE EXCAVATED FEATURE

CONDITION INFORMATION

CONDITION: NOT KNOWN CONDITION RATING: NOT RECORDED DESCRIPTION: RELATED EVENT PRN: 45327
YEAR: 2018

STATUS None Recorded

ASSOCIATED EVENTS

GAT45327 Hafan-y-Mor Archaeological Fieldwork Report 2013

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: Rees, C., & Williams, M. 2013, Hafan-y-Mor: Archaeological Fieldwork Report, , , , LP1163C

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PRN 74572

NAME Clawdd 1, Hafan-y-Mor

NGR SH4314935788

COMMUNITY Llannor

PERIOD AND TYPE POST MEDIEVAL, CLAWDD, Sitetype ranking: 1

SUMMARY Clawdd 1 at Hafan-y-Mor.

DESCRIPTION Two basic styles of clawdd were recorded at Hafan-y-Mor. Clawdd 1 consisted of a base stretcher course of large stones, up to 1m in length, with up to five courses of smaller stones (up to 0.40m)

above. This type was seen in the north east of the site. Preservation varied greatly across the site, for example the eastern section in figure 1 was almost completely collapsed and very eroded (PLATE 14 and PLATE 19). However the distinctive base course remained and therefore the boundary could be recognised as clawdd (PLATE 16). The same type of wall, generally in much better repair, was recorded along the north west boundary although one section had collapsed which allowed a direct comparison with the other section (PLATE 18). It is possible that this type of construction was more widespread across the site but vegetation and soil had obscured the base of many of the walls (Rees & Williams, 2013).

EVIDENCE STRUCTURE

CONDITION INFORMATION

CONDITION: NOT KNOWN CONDITION RATING: NOT RECORDED DESCRIPTION: RELATED EVENT PRN: 45327
YEAR: 2018

STATUS None Recorded

ASSOCIATED EVENTS

GAT45327 Hafan-y-Mor Archaeological Fieldwork Report 2013

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: Rees, C., & Williams, M. 2013, Hafan-y-Mor: Archaeological Fieldwork Report, , , LP1163C

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PRN 74573

NAME Clawdd 2, Hafan-y-Mor

NGR SH4314935788

COMMUNITY Llannor

PERIOD AND TYPE POST MEDIEVAL, CLAWDD, Sitetype ranking: 1

SUMMARY Clawdd 2 at Hafan-y-Mor.

DESCRIPTION The rest of the clawdd on the site were Clawdd 2 which generally consisted of four or five courses of random stones (up to 1m). Although stones at the base tended to be larger but there was no distinct base course (PLATE 17 and PLATE 19). In some sections the stones were very random and appeared to be held together by the soil and vegetation that had grown around them (PLATE 14 and PLATE 21). The interior of this type was visible where a section had been cut through a wall on the approach to the site. It showed the core consisted of topsoil from the site with occasional additional stones to strengthen it. There was a thick earth bank on the top of the wall (PLATE 13) (Rees & Williams, 2013).

EVIDENCE STRUCTURE

CONDITION INFORMATION

CONDITION: NOT KNOWN CONDITION RATING: NOT RECORDED DESCRIPTION: RELATED EVENT PRN: 45327
YEAR: 2018

STATUS None Recorded

ASSOCIATED EVENTS

GAT45327 Hafan-y-Mor Archaeological Fieldwork Report 2013

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: Rees, C., & Williams, M. 2013, Hafan-y-Mor: Archaeological Fieldwork Report, , , , LP1163C

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PRN 74576

NAME Finds, Hafan-y-Mor

NGR SH4301836311

COMMUNITY Llannor

PERIOD AND TYPE MULTIPERIOD, FINDSPOT, Sitetype ranking: 1

SUMMARY A small collection of artefacts recovered during archaeological works on Parcels 5 and 6 in 2013.

DESCRIPTION The assemblage consisted of a number of flint flakes, a small quantity of Post-Medieval pottery, a slate counter and a post-war holiday camp badge (Rees & Williams, 2013).

EVIDENCE FIND

CONDITION INFORMATION

CONDITION: NOT KNOWN CONDITION RATING: NOT RECORDED DESCRIPTION: RELATED EVENT PRN: 45327
YEAR: 2018

STATUS None Recorded

ASSOCIATED EVENTS

GAT45327 Hafan-y-Mor Archaeological Fieldwork Report 2013

ASSOCIATED ARTEFACTS

FIND: 1 Flint Microlith COLLECTION: None recorded DESCRIPTION: microlith was recovered from the topsoil in parcel 6 during the excavations for pipe trench 1. The lithic measures 21.61mm by 10.19mm by 2.42mm and is of a smooth cream material, with a rough brown cortex present at the proximal end at along the right edge (FIGURE 22). This material is similar to flint deposits on the Llyn peninsula (LORD 1993), although not natural in the site area. The striking platform and bulb of percussion are clear, as are two negative flake scars on the dorsal face (PLATE 33). Retouch is present along the left edge, having been worked from the ventral face. This form of flint is most typically seen in a Mesolithic environment, however microliths did continue in use into the Neolithic. Its presence in the topsoil shows it is not an in situ find (Rees & Williams 2013)

FIND: 1 Flint Retouched Flake COLLECTION: DESCRIPTION: A good example of a retouched blade, measuring 55.45mm x 41.38mm x 14.68mm, was recovered from (003), a subsoil identified at the northeastern area of the site, in Parcel 5 (FIGURE 20). The blade is of a coarse grey flint, which has no cortex present. Arises on the dorsal face show negative flake scars from previous working of the material. A pronounced bulb of percussion can be seen with numerous bulbar scars, suggesting prior working from this end of the core. Retouch can be seen along both left and right edges, with working seen from both faces (PLATE 34). The right edge has been worked more in order to thin the item. This was not required on the left edge, as a single flake had been removed to form a sharp edge. Although known from the Mesolithic period they are known to still be in use into the Neolithic. However, this form of retouched blade is more likely Mesolithic in date. (Rees & Williams 2013)

FIND: 1 Flint Debitage COLLECTION: DESCRIPTION: A small flake measuring 21.26mm x 12.11mm x 3.14mm was found in subsoil (503) in evaluation Trench 5, located in the southern area of the site. The flint material is the same as the unstratified microlith, that is a smooth cream with rough brown cortex. There is no retouch or working seen on the item. However, a single negative flake scar on the dorsal face indicates that this was not the first flake to be removed from a core (PLATE 35). The size of the flake suggests this was debitage associated with microlith manufacture, indicative of Mesolithic activity. The presence of debitage could indicate that tool manufacture occurred in the area during the Mesolithic period (Rees & Williams 2013).

FIND: 1 Flint Scraper COLLECTION: DESCRIPTION: A cortical scraper was recovered from (1004), a deposit overlying a burnt patch or hearth in Parcel 6. Charcoal from this deposit has been dated to the 12th century,

indicating that this flint is a residual find, and not contemporary with the Medieval activity. The lithic measures 29.70mm x 22.25mm x 5.02mm (Figure 21) and has a pronounced bulb of percussion. This bulb in conjunction with a negative bulbar scar on the dorsal face (PLATE 36) lends the handler to hold the tool in a specific manner, leaving the sharpest edge open for use. The material is the cream, smooth flint with rough brown context, and its form is typical of the Mesolithic period. (Rees & Williams 2013).

FIND: 9 Ceramic Sherd COLLECTION: DESCRIPTION: Nine ceramic sherds were recovered from the topsoil and these were a mixture of fine and coarse wares. The fine wares were represented by four sherds of blue and white transfer printed pottery and two sherds of white glazed ware. The coarse wares were represented by a single stone ware sherd, two thin earthen ware body fragments with brown partial glaze and painted slip decoration, and a single rough shard of glazed earthen ware. These sherds are discussed in detail below (Rees & Williams 2013).

FIND: 4 Pottery Fragment COLLECTION: DESCRIPTION: Four fragments blue and white transfer printed ware were recovered. These sherds represent the remains of two plates. The first was a small fragment with shell edge border and the second a larger piece decorated with a 'Willow III' pattern. Also recovered was the base of a shallow dish or plate. Unfortunately there were not sufficient design elements visible to provide a positive identification of the pattern used on this item. The final piece was a fragment of a straight sided bowl with a flat flanged rim. The decoration is once more incomplete and it was not possible to make an identification of the pattern used (Rees & Williams 2013).

FIND: 2 Pottery Piece COLLECTION: DESCRIPTION: Two pieces of white glazed ware were found on-site. The first was the fragmentary base of a steep sided bowl with a shallow foot and the second was the mouth and body of a jar with a raised rounded rim (Rees & Williams 2013).

FIND: 1 Pottery Fragment COLLECTION: DESCRIPTION: A large fragment of light grey stone ware with a metallic brown glaze was identified. This sherd was glazed on both the exterior and interior and is believed to have formed part of a large storage jar (Rees & Williams 2013).

SOURCES

Report: Rees, C., & Williams, M. 2013, Hafan-y-Mor: Archaeological Fieldwork Report, , , LP1163C

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PRN 74912

NAME Butlin's Holiday Camp, Penychain

NGR SH43303620

COMMUNITY Llannor

PERIOD AND TYPE Modern, HOLIDAY CENTRE, Sitedtype ranking: 1

SUMMARY A holiday camp opened in 1947.

DESCRIPTION Butlin's holiday camp opened at the site of HMS Glendower in 1947 with a capacity of 5000. The camp was especially popular with holidaymakers from Liverpool and it was here that a young James Paul McCartney performed on stage for the first time, giving a rendition of 'Long Tall Sally', whilst on a family holiday (Frame, 1999). Ringo Starr also had a residency at the camp for two seasons in 1960 and 1961 with Rory Storm and the Hurricanes; he went on to join a band called The Beatles, of which Paul McCartney was already a member, in 1962 (Starkey, 2000). In 1998 the site was upgraded to become Hafan y Mor, a family holiday camp with accommodation for several thousand people in chalets, caravans and log cabins. A number of features associated with the early days of the holiday camp were recorded during the Arfordir project, including the former location of a miniature railway (PRN 31542) and a cable car ride (PRN 31539) which terminated at the Penychain headland.

EVIDENCE

CONDITION INFORMATION

CONDITION: None Recorded **CONDITION RATING:** None Recorded **DESCRIPTION:** None Recorded **RELATED EVENT PRN:** **YEAR:**

STATUS None Recorded

ASSOCIATED EVENTS

GAT44846 Medieval and Post-Medieval Agricultural Features in North-West Wales. Report on Scheduling Enhancement Study: Part 1: Report and Gazetteer 2014

GAT44886 Arfordir Coastal Heritage: Final Report 2012

ASSOCIATED ARTEFACTS

FIND: None recorded COLLECTION: None recorded DESCRIPTION: None recorded

SOURCES

Report: Kenney, J. 2014, Medieval and Post-Medieval Agricultural Features in North-West Wales. Report on Scheduling Enhancement Study. Part 1: Report and Gazetteer. , , , , Report No. 1162

Report: Parry, I., Parry, L., Evans, R., Hopewell, D., Davidson, A., Williams, T., and Berks, T. 2012, Arfordir Coastal Heritage: Final Report, , , , GAT Report No. 1044

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Key to Abbreviations and Terms

GAT: Gwynedd Archaeological Trust; **HER:** Historic Environment Record; **PRN:** Primary Reference Number, each site and event is given a unique PRN; **NAME:** The common name given to the site; **NGR:** Ordnance Survey National Grid Reference; **COMMUNITY:** The community council in which the site is located; **PERIOD:** The period to which the site belongs; **TYPE:** Describes the site type e.g. CASTLE; **SITE TYPE RANKING:** Indicates the preferred site type interpretation, Rank 1 being the highest; **SUMMARY:** A short, unreferenced site summary written by HER staff; **DESCRIPTION:** Detailed site notes compiled from various sources; **EVIDENCE:** The physical remains of a site, or the means by which a site has been identified; **CONDITION INFORMATION:** The condition of the site at the time of assessment; **STATUS:** The legal status of the site, e.g. Scheduled Ancient Monument; **ASSOCIATED EVENTS:** The details of archaeological investigations relating to the site, e.g. EXCAVATION; **ASSOCIATED ARTEFACTS:** Describes any finds associated with the site; **SOURCES:** The bibliographic references relating to the site

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Archaeological data from the Gwynedd Historic Environment Record, supplied by Gwynedd Archaeological Trust in partnership with Local Authorities, Cadw and partners of HEDS, GAT, 2016.

GWYNEDD ARCHAEOLOGICAL TRUST

HISTORIC ENVIRONMENT RECORD

ENQUIRY REPORT - EVENT RECORDS

Enquiry reference number: GATHER1142

Prepared by: Derby, S., Gwynedd Archaeological Trust

Produced for: Kate Pitt, Archaeology Wales

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Search Criteria:

Hafan Y Môr Holiday Park, 1km Search

PRN 40168 **NAME** A497 Abererch to Llanystumdwy Road

Improvements **NGR** SH4366937210 **COMMUNITY** Llanystumdwy

TYPE Desk Based Assessment **YEAR** 1993 **ORGANISATION** Gwynedd Archaeological Trust (GAT) **PERSON** Mason, M.

SUMMARY Desk based assessment carried out by Gwynedd Archaeological Trust in advance of proposed improvements to the A497 from Abererch to Llanystumdwy.

DESCRIPTION -

CROSS REFERENCES - GAT5728, GAT5729, GAT5732, GAT5733, GAT5734, GAT5735, GAT5736, GAT5738, GAT31103, GAT31104, GAT31105, GAT2263, GAT31108, GAT31109, GAT31110, GAT31111, GAT31112, GAT31113, GAT31114, GAT31116, GAT31120, GAT31121, GAT31126, GAT31127, GAT31128, GAT31130, GAT11368, GAT31131, GAT31132

SOURCES

Report: Mason, M., 1993, A497 Abererch to Llanystumdwy Road Improvements, GAT Report No. 060

REPORT 060

PRN 40322 **NAME** Deserted Rural Settlement in Western Caernarfonshire **NGR** - **COMMUNITY** -
TYPE FIELD SURVEY **YEAR** 1997 **ORGANISATION** Gwynedd Archaeological Trust (GAT) **PERSON** Jones, S.

SUMMARY Desk based assessment and field survey carried out by Gwynedd Archaeological Trust as part of a Cadw funded project to identify and examine deserted rural settlement sites in Gwynedd.

DESCRIPTION -

CROSS REFERENCES 40835, 40323 GAT770, GAT771, GAT768, GAT1668, GAT1670, GAT1671, GAT780, GAT784, GAT786, GAT1228, GAT2760, GAT2761, GAT4529, GAT4530, GAT4531, GAT4533, GAT1209, GAT1211, GAT1212, GAT1214, GAT1230, GAT3303, GAT3306, GAT3307, GAT3308, GAT3309, GAT3310, GAT5053, GAT426, GAT409, GAT410, GAT1243, GAT430, GAT431, GAT436, GAT444, GAT606, GAT608, GAT2235, GAT5608, GAT614, GAT621, GAT622, GAT1278, GAT1281, GAT2244, GAT2245, GAT2252, GAT907, GAT908, GAT910, GAT914, GAT1263, GAT1268, GAT1270, GAT1271, GAT2216, GAT2217, GAT2222, GAT2226, GAT2087, GAT2089, GAT1332, GAT1825, GAT5735, GAT110, GAT120, GAT123, GAT135, GAT227, GAT3320, GAT3999, GAT4360, GAT5674, GAT91, GAT92, GAT94, GAT95, GAT98, GAT119, GAT1319, GAT1320, GAT1324, GAT5346, GAT13157, GAT13162, GAT13169, GAT13172, GAT13178, GAT13180, GAT13200, GAT13201, GAT13206, GAT13207, GAT13211, GAT13222, GAT13237, GAT13242, GAT13243, GAT13254, GAT13257, GAT13262, GAT13265, GAT13266, GAT13268, GAT13287, GAT13288, GAT13299, GAT13300, GAT13307, GAT13313, GAT13321, GAT13353, GAT13368, GAT13369, GAT13372, GAT13373, GAT13378, GAT13384, GAT13390, GAT13394, GAT13397, GAT13398, GAT13408, GAT13415, GAT13418, GAT13423, GAT13424, GAT13442, GAT13443, GAT13454, GAT13463, GAT13464, GAT13466, GAT13469, GAT13470, GAT13482, GAT13483, GAT13485, GAT13486, GAT13495, GAT13496, GAT13498, GAT13507, GAT13519, GAT13525, GAT13526, GAT13530, GAT13532, GAT13535, GAT13540, GAT13550, GAT13551, GAT13554, GAT13555, GAT13559, GAT13560, GAT13563, GAT13572, GAT13573, GAT13579, GAT13584, GAT13586, GAT13587, GAT13591, GAT151, GAT152, GAT153, GAT592, GAT4362, GAT194, GAT582, GAT918, GAT1385, GAT2346, GAT1296, GAT4059, GAT3348, GAT3349, GAT3360, GAT3363, GAT3368, GAT3381, GAT4300, GAT6005, GAT6007, GAT213, GAT1403, GAT1404, GAT1405, GAT1407, GAT1408, GAT1409, GAT1410, GAT1412, GAT1413, GAT1414, GAT1415, GAT1416, GAT1418, GAT1420, GAT1421, GAT1422, GAT1423, GAT1424, GAT1426, GAT3338, GAT3339, GAT4290, GAT205, GAT212, GAT1339, GAT1340, GAT1345, GAT1346, GAT1350, GAT1355, GAT1370, GAT1371, GAT1372, GAT1378, GAT1398, GAT2376, GAT2382, GAT2386, GAT2391, GAT2392, GAT2395, GAT2398, GAT2401, GAT2402, GAT2403, GAT2404, GAT2405, GAT2407, GAT2409, GAT2410, GAT5021, GAT174, GAT180, GAT182, GAT184, GAT185, GAT186, GAT187, GAT188, GAT1334, GAT1336, GAT1587, GAT2361, GAT2365, GAT2381, GAT6009, GAT6010, GAT6012, GAT4043, GAT4044, GAT4045, GAT4046, GAT5023, GAT6127, GAT6128, GAT948, GAT4197, GAT4200, GAT4201, GAT4203, GAT3390, GAT2792, GAT2799, GAT6131, GAT181, GAT183, GAT905, GAT912, GAT4041, GAT4042, GAT6712, GAT6713, GAT6714, GAT6715, GAT6716, GAT6717, GAT6718, GAT6719, GAT6720, GAT6721, GAT6722, GAT6723, GAT6724, GAT6725, GAT6726, GAT6727, GAT6728, GAT6729, GAT6730, GAT6731, GAT6732, GAT6733, GAT6734, GAT6735, GAT6736, GAT6737, GAT6738, GAT6739, GAT6740, GAT6741, GAT6742, GAT6743, GAT6744, GAT6745, GAT6746, GAT6747, GAT6748, GAT6749, GAT6750, GAT6751, GAT6752, GAT6753, GAT6754, GAT6755, GAT6756, GAT6757, GAT6758, GAT6759, GAT6760, GAT6761, GAT6762, GAT6763, GAT6764, GAT6765, GAT6766, GAT6767, GAT6768, GAT6769, GAT6770, GAT6771, GAT6772, GAT13244, GAT13455, GAT5733, GAT583, GAT6129

SOURCES

Report: Jones, S., 1997, *Deserted Rural Settlement in Western Caernarvonshire*, GAT Report No. 247

REPORT 247

PRN 40325 NAME Coastal Erosion Survey: Aberdaron to Aberdyfi **NGR - COMMUNITY -**
TYPE DESK BASED ASSESSMENT **YEAR** 1996 **ORGANISATION** Gwynedd Archaeological Trust
(GAT) **PERSON** Dutton, L.A. & Gwyn, D.

SUMMARY Desk based assessment and field survey carried out by Gwynedd Archaeological Trust as part of a Cadw funded project to assess and map the scale of erosion of the coastline of Gwynedd from Porth Cloch to the railway bridge over the Afon Dyfi.

DESCRIPTION -

CROSS REFERENCES 40016, 40361, 40362 GAT19730, GAT2270, GAT2284, GAT2291, GAT2911, GAT3290,

GAT3291, GAT3294, GAT770, GAT1235, GAT1238, GAT1239, GAT1317, GAT1332, GAT1433, GAT1571, GAT3490, GAT3491, GAT4000, GAT4068, GAT4324, GAT4335, GAT4379, GAT4428, GAT4445, GAT4729, GAT5046, GAT5047, GAT5063, GAT5136, GAT5331, GAT5675, GAT7240, GAT7241, GAT7242, GAT7243, GAT7244, GAT7245, GAT7246, GAT7247, GAT7248, GAT7249, GAT7250, GAT7251, GAT7252, GAT7253, GAT7254, GAT7255, GAT7256, GAT59577, GAT7258, GAT7260, GAT7261, GAT7262, GAT7263, GAT7264, GAT7265, GAT7266, GAT7267, GAT3445, GAT6577, GAT7270, GAT7271, GAT7272, GAT7273, GAT7274, GAT7275, GAT7276, GAT7277, GAT7278, GAT7279, GAT7280, GAT7281, GAT7282, GAT7283, GAT7284, GAT7285, GAT7286, GAT7287, GAT7288, GAT7289, GAT7290, GAT7291, GAT7292, GAT7293, GAT7295, GAT7296, GAT7297, GAT7298, GAT7299, GAT7300, GAT7301, GAT7302, GAT7303, GAT7304, GAT21180, GAT25011, GAT30572, GAT30573, GAT25010, GAT1202, GAT6901, GAT3295, GAT59578, GAT59579, GAT59580, GAT59581, GAT59582, GAT59583, GAT59584, GAT59585, GAT25501, GAT59586, GAT21520, GAT59587, GAT59588, GAT59589, GAT59590, GAT59591, GAT59592, GAT59593, GAT59594, GAT59595, GAT59596, GAT59597, GAT59598, GAT59599, GAT59600, GAT21562, GAT59601, GAT59602, GAT59603, GAT59604, GAT59605, GAT59606, GAT59607, GAT59608, GAT59609, GAT22015, GAT4015, GAT59610, GAT59611, GAT4014, GAT59612, GAT55782, GAT59613, GAT55909, GAT3654, GAT59614, GAT59615, GAT12136, GAT59616, GAT59617, GAT59618, GAT59619, GAT59620, GAT59621, GAT59622, GAT2212, GAT2213, GAT59623, GAT59624, GAT1328, GAT2285, GAT59625, GAT59626, GAT59627, GAT59628, GAT59629, GAT59630, GAT59631, GAT25104, GAT59632, GAT59633, GAT18495, GAT12181, GAT38128, GAT12729, GAT12730, GAT12731, GAT12732, GAT12733, GAT12734, GAT12735, GAT12736, GAT12737, GAT12738, GAT59634, GAT59635, GAT59636, GAT59637, GAT59638, GAT59639, GAT59640, GAT59641, GAT59642, GAT59643, GAT59644, GAT59645, GAT59646, GAT59647, GAT59648, GAT59649, GAT59650, GAT59651, GAT59652, GAT7486, GAT19731, GAT19732, GAT12637, GAT59653, GAT59654, GAT34151, GAT59655, GAT59656, GAT59657, GAT59658, GAT59659, GAT7013, GAT4920, GAT59660, GAT59661, GAT59662, GAT20501, GAT4922, GAT59663, GAT16601, GAT18392, GAT18934, GAT59664, GAT59665, GAT59666, GAT59667, GAT59668, GAT59669, GAT59670, GAT59671, GAT59672, GAT59673, GAT59674, GAT59675, GAT59676, GAT59677, GAT59678, GAT59679, GAT59680, GAT59681, GAT59682, GAT59683, GAT59684, GAT59685, GAT59686

SOURCES

Report: Dutton, L. A. & Gwyn, D., 1996, Coastal Erosion Survey: Aberdaron to Aberdyfi (Revised 1996), GAT Report No.198

REPORT 198

PRN 40381 NAME A497 Abererch to Llanystumdwy Road
Improvements NGR SH4366937210 **COMMUNITY** Llanystumdwy
TYPE Desk Based Assessment **YEAR** 1996 **ORGANISATION** Gwynedd Archaeological Trust (GAT) **PERSON** -
SUMMARY Desk based assessment carried out by Gwynedd Archaeological Trust in advance of proposed improvements to the A497 between Abererch and Llanystumdwy.

DESCRIPTION -

CROSS REFERENCES - GAT31101, GAT31102, GAT31103, GAT31104, GAT31105, GAT31106, GAT31107, GAT31108, GAT31109, GAT31110, GAT31111, GAT31112, GAT31113, GAT31114, GAT31115, GAT31116, GAT31117, GAT31118, GAT31119, GAT31120, GAT31121, GAT31122, GAT31123, GAT31124, GAT31125, GAT31126, GAT31127, GAT31128, GAT31129, GAT31130, GAT31131, GAT31132, GAT2263, GAT5728, GAT5734, GAT5735, GAT5729, GAT5732, GAT5733, GAT11368, GAT5738, GAT5736

SOURCES

Report: , 1996, A497 Abererch to Llanystumdwy Road Improvements: Archaeological Assessment, GAT Report No. 224

REPORT 224

PRN 40572 NAME Archaeological Excavation and Recording During the A497 Road Improvement Scheme, Gwynedd **NGR** SH4299036911 **COMMUNITY** Llanystumdwy
TYPE Excavation **YEAR** 2007 **ORGANISATION** Gwynedd Archaeological Trust (GAT) **PERSON** Berks, T., Davidson, A., Roberts, J. & Smith, G.

SUMMARY Archaeological evaluation, excavation, and watching brief conducted by Gwynedd Archaeological Trust in advance of, and during, the construction of the A497 Road Improvement Scheme between Abererch and Llanystumdwy. A total of ninety-nine evaluation trenches were opened across the 6.5km length of the scheme

DESCRIPTION -

CROSS REFERENCES 54798 GAT19659, GAT31151, GAT31147, GAT35032, GAT31145, GAT31138, GAT5728, GAT5729, GAT31124, GAT31103, GAT31104, GAT31105, GAT31109, GAT31110, GAT31111, GAT5734, GAT31112, GAT31113, GAT31115, GAT5735, GAT31116, GAT30499, GAT31120, GAT31121, GAT31126, GAT31128, GAT31130, GAT35033, GAT30498, GAT30500

SOURCES

Report: Berks, T., Davidson, A., Roberts, J. & Smith, G., 2007, Archaeological Excavation and Recording During the A497 Road Improvement Scheme, Gwynedd, GAT Report No. 625

REPORT 625

PRN 40674 **NAME** Afon Wen Wastewater Treatment Scheme, Chwilog: Watching Brief **NGR** SH4388937381 **COMMUNITY** Llanystumdwy

TYPE Watching Brief **YEAR** 2005 **ORGANISATION** Gwynedd Archaeological Trust (GAT) **PERSON** Berks, T. & Roberts, J.

SUMMARY Archaeological watching brief undertaken by Gwynedd Archaeological Trust in advance of the construction of a waste water treatment works near Afon Wen, Chwilog. No archaeological activity was identified or recorded within the watching brief area.

DESCRIPTION -

CROSS REFERENCES 54777, 54778 GAT19697, GAT19696, GAT29702

SOURCES

Report: Berks, T. & Roberts, J., 2005, Afon Wen Waste Water Treatment Works, Chwilog: Watching Brief, GAT Report No. 610

REPORT 610

PRN 40677 **NAME** A497 Pipeline Diversion Scheme Abererch to Llanystumdwy **NGR** SH4328437112 **COMMUNITY** Llanystumdwy

TYPE Excavation **YEAR** 2006 **ORGANISATION** Gwynedd Archaeological Trust (GAT) **PERSON** Berks, T., Roberts, J. & Smith, G.

SUMMARY Archaeological evaluation and watching brief conducted by Gwynedd Archaeological Trust in advance of the gas pipeline diversion phase of the A497 Road Improvement Scheme. The results of the archaeological watching brief consisted of evidence for post-medieval farming activity.

DESCRIPTION -

CROSS REFERENCES 54798 GAT19659

SOURCES

Report: Berks, T., Roberts, J. & Smith, G., 2006, A497 Pipeline Diversion Scheme, Abererch to Llanystumdwy, GAT Report No. 624

REPORT 624

PRN 40739 **NAME** Fferm Glanllynnau, Chwilog: Storage Yard Extension **NGR** SH4559137691 **COMMUNITY** Llanystumdwy

TYPE Desk Based Assessment **YEAR** 2007 **ORGANISATION** Gwynedd Archaeological Trust

(GAT) **PERSON** Roberts, J.

SUMMARY Archaeological assessment carried out by Gwynedd Archaeological Trust prior to a proposed extension of an existing yard at Glanllynau Farm, Chwilog.

DESCRIPTION -

CROSS REFERENCES 40740 GAT19659, GAT31151, GAT31147, GAT6787, GAT1329, GAT31145

SOURCES

Report: Roberts, J., 2007, Fferm Glanllynau, Chwilog: Storage Yard Extension, GAT Report No. 686

REPORT 686

PRN 40740 **NAME** Fferm Glanllynau, Chwilog, Gwynedd: Storage Yard Extension Archaeological Works **NGR** SH4559137691 **COMMUNITY** Llanystumdwy

TYPE Evaluation **YEAR** 2008 **ORGANISATION** Gwynedd Archaeological Trust (GAT) **PERSON** Evans, R.

SUMMARY Archaeological evaluation carried out by Gwynedd Archaeological Trust prior to a development at Glanllynau Farm, Chwilog.

DESCRIPTION -

CROSS REFERENCES 40739 GAT19659, GAT31151, GAT31147, GAT6787, GAT31145, GAT24742

SOURCES

Report: Evans, R., 2008, Fferm Glanllynau, Chwilog: Storage Yard Extension, GAT Report No. 712

REPORT 712

PRN 40782 **NAME** Hut Circle Settlement Survey **NGR** - **COMMUNITY** -

TYPE Field Observation (Visual Assessment) **YEAR** 1998 **ORGANISATION** Gwynedd Archaeological Trust (GAT) **PERSON** Smith, G., Hopewell, D., & Smith, A.

SUMMARY -

DESCRIPTION Thematic Survey Site visits from 1994-1998. No more refined information about date of visit on HER

CROSS REFERENCES - GAT47, GAT51, GAT52, GAT54, GAT57, GAT60, GAT67, GAT68, GAT74, GAT75, GAT87, GAT89, GAT90, GAT92, GAT93, GAT96, GAT97, GAT104, GAT105, GAT107, GAT108, GAT109, GAT111, GAT112, GAT113, GAT114, GAT115, GAT116, GAT117, GAT118, GAT119, GAT121, GAT122, GAT131, GAT132, GAT133, GAT134, GAT145, GAT146, GAT147, GAT148, GAT149, GAT150, GAT160, GAT165, GAT166, GAT167, GAT168, GAT169, GAT170, GAT171, GAT172, GAT173, GAT175, GAT176, GAT177, GAT178, GAT179, GAT193, GAT195, GAT196, GAT207, GAT208, GAT209, GAT210, GAT211, GAT212, GAT213, GAT214, GAT216, GAT217, GAT219, GAT222, GAT229, GAT231, GAT232, GAT233, GAT234, GAT235, GAT236, GAT237, GAT238, GAT239, GAT240, GAT242, GAT243, GAT247, GAT248, GAT249, GAT250, GAT251, GAT252, GAT253, GAT254, GAT255, GAT256, GAT257, GAT258, GAT259, GAT260, GAT262, GAT263, GAT264, GAT265, GAT266, GAT267, GAT268, GAT269, GAT270, GAT271, GAT272, GAT273, GAT274, GAT278, GAT279, GAT280, GAT284, GAT285, GAT286, GAT287, GAT288, GAT289, GAT290, GAT291, GAT293, GAT294, GAT295, GAT296, GAT297, GAT313, GAT315, GAT320, GAT321, GAT322, GAT323, GAT324, GAT329, GAT330, GAT331, GAT332, GAT333, GAT335, GAT336, GAT337, GAT338, GAT339, GAT340, GAT341, GAT342, GAT343, GAT344, GAT346, GAT347, GAT350, GAT371, GAT393, GAT394, GAT395, GAT400, GAT401, GAT402, GAT408, GAT409, GAT410, GAT416, GAT417, GAT418, GAT420, GAT424, GAT432, GAT433, GAT434, GAT435, GAT443, GAT447, GAT448, GAT449, GAT450, GAT451, GAT452, GAT453, GAT454, GAT479, GAT480, GAT481, GAT482, GAT498, GAT499, GAT500, GAT3, GAT4, GAT8, GAT9, GAT10, GAT11, GAT12, GAT13, GAT14, GAT21, GAT26, GAT27, GAT28, GAT29, GAT46, GAT501, GAT512, GAT514, GAT515, GAT1604, GAT1606, GAT1614, GAT1620, GAT1632, GAT1649, GAT1652, GAT1663, GAT1664, GAT1674, GAT1681, GAT1683, GAT1685, GAT1692, GAT1693, GAT1743, GAT1745, GAT1746, GAT1747, GAT1750, GAT1755, GAT1756, GAT1768, GAT1788, GAT1810, GAT1812, GAT1813, GAT1815, GAT1816,

GAT1995, GAT2000, GAT2003, GAT2010, GAT2037, GAT2087, GAT2088, GAT2089, GAT2092, GAT2093, GAT2099, GAT2110, GAT2111, GAT2127, GAT2128, GAT2129, GAT2131, GAT2132, GAT2161, GAT2168, GAT2215, GAT2218, GAT2220, GAT2221, GAT2223, GAT2224, GAT2225, GAT2228, GAT2229, GAT2236, GAT2237, GAT2242, GAT2252, GAT2295, GAT2296, GAT2311, GAT2312, GAT2318, GAT2320, GAT2327, GAT2328, GAT2329, GAT2330, GAT2347, GAT2362, GAT2363, GAT2364, GAT2368, GAT2372, GAT2373, GAT2374, GAT2381, GAT2383, GAT2388, GAT2389, GAT2390, GAT2392, GAT2393, GAT2394, GAT2396, GAT2397, GAT2399, GAT2400, GAT2406, GAT2416, GAT2418, GAT2420, GAT2421, GAT2422, GAT2423, GAT2424, GAT2429, GAT2430, GAT2435, GAT2438, GAT2439, GAT2443, GAT2444, GAT2445, GAT2473, GAT2495, GAT2496, GAT2497, GAT2498, GAT2499, GAT2515, GAT2520, GAT2532, GAT2535, GAT2537, GAT2544, GAT2546, GAT2547, GAT2548, GAT2551, GAT2553, GAT2554, GAT2563, GAT2564, GAT2565, GAT2588, GAT2599, GAT2602, GAT2627, GAT2639, GAT2663, GAT2678, GAT2680, GAT2711, GAT2713, GAT2728, 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SOURCES

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REPORT None

PRN 40835 **NAME** Deserted Rural Settlement Survey **NGR** - **COMMUNITY** -
TYPE FIELD SURVEY **YEAR** 1996 **ORGANISATION** Gwynedd Archaeological Trust (GAT) **PERSON** Jones, S.
SUMMARY -

DESCRIPTION Thematic Survey Site visits from 1996-1999 by S. Jones. (Some by D. Thompson & some by K. Geary) No more refined information about date of visit on HER

CROSS REFERENCES - GAT91, GAT92, GAT94, GAT95, GAT98, GAT110, GAT119, GAT120, GAT123, GAT151, GAT152, GAT153, GAT174, GAT180, GAT181, GAT182, GAT183, GAT184, GAT185, GAT186, GAT187, GAT188, GAT194, GAT205, GAT212, GAT213, GAT227, GAT409, GAT410, GAT426, GAT430, GAT431, GAT436, GAT444, GAT1668, GAT1670, GAT1671, GAT1825, GAT2087, GAT2089, GAT2216, GAT2217, GAT2222, GAT2226, GAT2235, GAT2244, GAT2245, GAT2252, GAT2346, GAT2361, GAT2365, GAT2376, GAT2381, GAT2382, GAT2386, GAT2391, GAT2392, GAT2395, GAT2398, GAT2401, GAT2402, GAT2403, GAT2404, GAT2405, GAT2407, GAT2409, GAT2410, GAT2792, GAT2799, GAT3303, GAT3306, GAT3307, GAT3308, GAT3309, GAT3310, GAT3320, GAT3338, GAT3339, GAT3348, GAT3349, GAT3360, GAT3363, GAT3368, GAT3381, GAT3390, GAT583, GAT592, GAT606, GAT608, GAT614, GAT621, GAT622, GAT670, GAT768, GAT771, GAT780, GAT905, GAT907, GAT908, GAT910, GAT912, GAT914, GAT918, GAT948, GAT1209, GAT1211, GAT1212, GAT1214, GAT1228, GAT1230, GAT1243, GAT1263, GAT1268, GAT1270, GAT1271, GAT1278, GAT1281,

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SOURCES

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REPORT *None*

PRN 41484 NAME *A497 Abererch to Llanystumdwy, Gwynedd* **NGR - COMMUNITY -**
TYPE *Geophysical Survey* **YEAR** *2004* **ORGANISATION** *Stratascan* **PERSON** *DONALDSON, K. T.*
SUMMARY -

DESCRIPTION -

CROSS REFERENCES -

SOURCES

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REPORT *J1899*

PRN 43434 NAME *Prn 6788 Gat Site Visit* **NGR - COMMUNITY -**
TYPE *Field Observation (Visual Assessment)* **YEAR** *2000* **ORGANISATION** *Gwynedd Archaeological Trust (GAT)* **PERSON** *Smith, G.*
SUMMARY -

DESCRIPTION -

CROSS REFERENCES - GAT6788

SOURCES

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REPORT None

PRN 44082 NAME A497 Improvement Pipeline Diversions Archaeology & Heritage **NGR - COMMUNITY -**
TYPE Desk Based Assessment **YEAR** 2004 **ORGANISATION** RSK Environment Ltd. **PERSON** Fairburn, N.
SUMMARY -

DESCRIPTION -

CROSS REFERENCES - GAT31102, GAT31103, GAT31104, GAT31105, GAT2263, GAT31109, GAT31110, GAT31111, GAT5734, GAT31112, GAT31113, GAT31115, GAT5735, GAT31116, GAT30498, GAT30499, GAT5729, GAT31120, GAT31121, GAT31122, GAT31123, GAT31124, GAT31125, GAT31127, GAT31128, GAT31129, GAT31130, GAT11368, GAT1329, GAT4405, GAT30500, GAT2272, GAT31087, GAT6340, GAT11551, GAT31088, GAT6902, GAT31089, GAT31090, GAT5733, GAT31091, GAT5736, GAT7351, GAT31118, GAT11525, GAT11682, GAT31092, GAT31093, GAT31094, GAT31095, GAT31147, GAT5728, GAT5732

SOURCES

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REPORT P40109/06/04/02 REV04

PRN 44083 NAME A497 Improvement Pipeline Diversions Archaeology & Heritage **NGR - COMMUNITY -**
TYPE Desk Based Assessment **YEAR** 2005 **ORGANISATION** RSK Environment Ltd. **PERSON** Fairburn, N.
SUMMARY

DESCRIPTION

CROSS REFERENCES - GAT31102, GAT31103, GAT31104, GAT31105, GAT2263, GAT31109, GAT31110, GAT31111, GAT5734, GAT31112, GAT5728, GAT31113, GAT31115, GAT5735, GAT31116, GAT30498, GAT30499, GAT5729, GAT31120, GAT31121, GAT31122, GAT31123, GAT31124, GAT31125, GAT31127, GAT31128, GAT31129, GAT31130, GAT11368, GAT1329, GAT4405, GAT5732, GAT30500, GAT2272, GAT31087, GAT6340, GAT11551, GAT31088, GAT6902, GAT31089, GAT31090, GAT5733, GAT31091, GAT5736, GAT7351, GAT31118, GAT11525, GAT11682, GAT31092, GAT31093, GAT31094, GAT31095, GAT31147, GAT31151, GAT31101, GAT31106, GAT31107, GAT31108, GAT31114, GAT31119, GAT31126, GAT31145

SOURCES

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REPORT P40109/06/04/02 REV05

PRN 44557 NAME Early Celtic Societies in North Wales **NGR - COMMUNITY -**
TYPE PROJECT **YEAR** 2010 **ORGANISATION** Bangor University **PERSON** Waddington, K.
SUMMARY Desk based research project undertaken by Waddington, K. in collaboration with Bangor University and Karl, R. as an expansion of the 'Welsh Roundhouse Project'™. The project assessed evidence for settlement from the Late Bronze Age to the early medieval period (late 2nd millennium BC- early 2nd millennium AD) in north-west Wales and examined the long-term processes of social change and settlement practices. Drew on previous work by Ghey, E., Johnston, R., Edwards, E. and Pope, R. and a number of Gwynedd Archaeological Trust projects, in particular 'G1770 Defended enclosures survey'™ and 'G1104 Hut circle settlement survey'™. Funded by the University of Wales Publications and Collaborative Research Committee (the successor to the former Board of Celtic Studies).

DESCRIPTION -

CROSS REFERENCES - GAT74542, GAT2824, GAT2827, GAT2828, GAT2829, GAT2832, GAT2837, GAT2840, GAT2841, GAT2846, GAT2856, GAT2857, GAT2859, GAT2865, GAT2876, GAT2878, GAT2881, GAT2884, GAT2885, GAT2889, GAT2891, GAT2893, GAT2895, GAT2896, GAT2899, GAT2900, GAT2901, GAT2902, GAT2903, GAT2904, GAT2905, GAT2906, GAT2907, GAT2909, GAT2910, GAT2917, GAT2920, GAT2925, GAT2926, GAT2928, GAT2929, GAT2930, GAT2931, GAT2932, GAT2937, GAT2941, GAT2942, GAT2943, GAT2944, GAT2945, GAT2946, GAT2947, GAT2948, GAT2949, GAT2950, GAT2951, GAT2952, GAT2953, GAT2955, GAT2956, GAT2957, GAT2958, GAT2963, GAT2964, GAT2968, GAT2969, GAT2975, GAT2976, GAT2977, GAT2979, GAT2980, GAT2982, GAT2983, GAT2985, GAT2987, GAT2991, GAT2992, GAT2993, GAT2994, GAT2998, GAT3005, GAT3006, GAT3014, GAT3016, GAT3021, GAT3022, GAT3024, GAT3033, GAT3037, GAT3053, GAT3054, GAT3063, GAT3067, GAT3070, GAT3071, GAT3072, GAT3075, GAT3077, GAT3078, GAT3084, GAT3085, GAT3086, GAT3087, GAT3089, GAT3090, GAT3091, GAT3092, GAT3097, GAT3098, 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SOURCES

Database: Waddington, K., 2010, Early Celtic Societies in North Wales,

Book: Waddington, K., 2013, The Settlements of Northwest Wales: From the Late Bronze Age to the Early

REPORT None

PRN 44558 **NAME** *Glastir Private Woodland Management Polygonisation* **NGR** - **COMMUNITY** -
TYPE DESK BASED ASSESSMENT **YEAR** 2014 **ORGANISATION** Gwynedd Archaeological Trust
(GAT) **PERSON** McGuiness, N.

SUMMARY *Desk based assessment carried out by Gwynedd Archaeological Trust for the Glastir Private Woodland Management scheme. The project identified new sites within private woodlands in the Glastir scheme using historic Ordnance Survey digital mapping. The project output is a GIS table with metadata.*

DESCRIPTION -

CROSS REFERENCES - GAT55937, GAT55938, GAT55939, GAT55940, GAT55941, GAT55942, GAT55943, GAT55944, GAT55945, GAT55946, GAT55947, GAT55948, GAT55949, GAT55950, GAT55951, GAT55952, GAT55953, GAT55954, GAT55955, GAT55956, GAT55957, GAT55958, GAT55959, GAT55960, GAT55961, GAT55962, GAT55963, GAT55964, GAT55965, GAT55966, GAT55967, GAT55968, GAT55969, GAT55970, GAT55971, GAT55972, GAT55973, GAT55974, GAT55975, GAT55976, GAT55977, GAT55978, GAT55979, GAT55980, GAT55981, GAT55982, GAT55983, GAT55984, GAT55985, GAT55986, GAT55987, GAT55988, GAT55989, GAT55990, GAT55991, GAT55992, GAT55993, GAT55994, GAT55995, GAT55996, GAT55997, GAT55998, GAT55999, GAT56000, GAT56001, GAT56002, GAT56003, GAT56004, GAT56005, GAT56006, GAT56007, GAT56008, GAT56009, GAT56010, GAT56011, GAT56012, GAT56013, GAT56014, GAT56015, GAT56016, GAT56017, GAT56018, GAT58165, GAT56019, GAT56020, GAT56021, GAT56022, GAT56023, GAT56024, GAT56025, GAT56026, GAT56027, GAT56028, GAT56029, GAT56030, GAT56031, GAT56032, GAT56033, GAT56034, GAT56035, GAT56036, GAT56037, GAT56038, GAT56039, GAT56040, GAT56041, GAT56042, GAT56043, GAT56044, GAT56045, GAT56046, GAT56047, GAT56048, GAT56049, GAT56050, GAT56051, GAT56052, GAT56053, GAT56054, GAT56055, GAT56056, GAT56057, GAT56058, GAT56059, GAT56060, GAT56061, GAT56062, GAT56063, GAT56064, GAT56065, GAT56066, GAT56067, GAT56068, GAT56069, GAT56070, GAT56071, GAT56072, GAT56073, GAT56074, GAT56075, GAT56076, GAT56077, GAT56078, GAT56079, GAT56080, GAT56081, GAT56082, GAT56083, GAT56084, GAT56085, GAT56086, GAT56087, GAT56088, GAT56089, GAT56090, GAT56091, GAT56092, GAT56093, GAT56094, GAT56095, GAT56096, GAT56097, GAT56098, GAT56099, GAT56100, GAT56101, GAT56102, GAT56103, GAT56104, GAT56105, GAT56106, GAT56107, GAT56108, GAT56109, GAT56110, GAT56111, GAT56112, GAT56113, GAT56114, GAT56115, GAT56116, GAT56117, GAT56118, GAT56119, GAT56120, GAT56121, GAT56122, GAT56123, GAT56124, GAT56125, GAT56126, GAT56127, GAT56128, GAT56129, GAT56130, GAT56131, GAT56132, GAT56133, GAT56134, GAT56135, GAT56136, GAT56137, GAT56138, GAT56139, GAT56140, GAT56141, GAT56142, GAT56143, GAT56144, GAT56145, GAT56146, GAT56147, GAT56148, GAT56149, GAT56150, GAT56151, GAT56152, GAT56153, GAT56154, GAT56155, GAT56156, GAT56157, GAT56158, GAT56159, GAT56160, GAT56161, GAT56162, GAT56163, GAT56164, GAT56165, GAT56166, GAT56167, GAT56168, GAT56169, GAT56170, GAT56171, GAT56172, GAT56173, GAT56174, GAT56175, GAT56176, GAT56177, GAT56178, GAT56179, GAT56180, GAT56181, GAT56182, GAT56183, GAT56184, GAT56185, GAT56186, GAT56187, GAT56188, GAT56189, GAT56190, GAT56191, GAT56192, GAT56193, GAT56194, GAT56195, GAT56196, GAT56197, GAT56198, GAT56199, GAT56200, GAT56201, GAT56202, GAT56203, GAT56204, GAT56205, GAT56206, GAT56207, GAT56208, GAT56209, GAT56210, GAT56211, GAT56212, GAT56213, GAT56214, GAT56215, GAT56216, GAT56217, GAT56218, GAT56219, GAT56220, GAT56221, GAT56222, GAT56223, GAT56224, GAT56225, GAT56226, GAT56227, GAT56228, GAT56229, GAT56230, GAT56231, GAT56232, GAT56233, GAT56234, GAT56235, GAT56236, GAT56237, GAT56238, GAT56239, GAT56240, GAT56241, GAT56242, GAT56243, GAT56244, GAT56245, GAT56246, GAT56247, GAT56248, GAT56249, GAT56250, GAT56251, GAT56252, GAT56253, GAT56254, GAT56255, GAT56256, GAT56257, GAT56258, GAT56259, GAT56260, GAT56261, GAT56262, GAT56263, GAT56264, GAT56265, GAT56266, GAT56267, GAT56268, GAT56269, GAT56270, GAT56271, GAT56272, GAT56273, GAT56274, GAT56275, GAT56276, GAT56277, GAT56278, GAT56279, GAT56280, GAT56281, GAT56282, GAT56283, GAT56284, GAT56285, GAT56286, GAT56287, GAT56288, GAT56289, GAT56290, GAT56291, GAT56292, GAT56293, GAT56294, GAT56295, GAT56296, GAT56297, GAT56298, GAT56299, GAT56300, GAT56301, GAT56302, GAT56303, GAT56304, GAT56305, GAT56306, GAT56307, GAT56308, GAT56309, GAT56310, GAT56311, GAT56312, GAT56313, GAT56314, GAT56315, GAT56316, GAT56317, GAT56318, GAT56319, GAT56320, GAT56321, GAT56322, GAT56323, GAT56324, GAT56325, GAT56326, GAT56327, GAT56328, GAT56329,

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SOURCES

Data Import: McGuinness, N., 2014, *Glastir Private Woodland Management Polygonisation*,

REPORT None

PRN 44846 NAME *Medieval and Post-Medieval Agricultural Features in North-West Wales. Report on Scheduling Enhancement Study: Part 1: Report and Gazetteer* **NGR - COMMUNITY -**

TYPE DESK BASED ASSESSMENT **YEAR** 2014 **ORGANISATION** Gwynedd Archaeological Trust (GAT) **PERSON** Kenney, J.

SUMMARY Gwynedd Archaeological Trust carried out a scoping study of the surviving remains of medieval and post-medieval sites relating to agriculture and subsistence in north-west Wales as part of a 2013 Cadw grant-aided pan-Wales project. The work aimed to assess the potential for new schedulings and focussed on often over-looked sites such as sheepfolds, rabbit warrens and peat cutting.

DESCRIPTION -

CROSS REFERENCES - GAT74912, GAT37291, GAT55462, GAT55469, GAT55461, GAT55460, GAT55459, GAT55458, GAT55457, GAT55456, GAT55455, GAT55454, GAT55453, GAT55452, GAT55451, GAT55450, GAT55449, GAT55448, GAT55447, GAT55446, GAT55445, GAT55444, GAT55443, GAT55442, GAT55441, GAT55440, GAT55439, GAT55438, GAT55437, GAT55436, GAT55435, GAT55434, GAT55433, GAT55432, GAT55431, GAT55430, GAT55429, GAT55428, GAT55427, GAT55426, GAT55425, GAT55424, GAT55423, GAT55422, GAT55421, GAT55420, GAT55419, GAT55418, GAT55417, GAT55416, GAT55415, GAT38238, GAT55414, GAT55413, GAT55412, GAT55411, GAT55410, GAT55408, GAT55407, GAT55406, GAT55405, GAT55404, GAT55403, GAT55402, GAT55401, GAT55400, GAT55399, GAT55398, GAT55397, GAT55396, GAT55395, GAT55394, GAT55393, GAT55392, GAT55391, GAT55390, GAT55389, GAT55388, GAT55387, GAT55386, GAT55385, GAT55384, GAT55383, GAT55382, GAT55381, GAT55380, GAT55379, GAT55378, GAT55377, GAT55376, GAT55375, GAT55374, GAT55373, GAT55372, GAT55371, GAT55370, GAT55369, GAT55368, GAT55367, GAT55366, GAT55365, GAT55364, GAT55363, GAT55362, GAT55361, GAT55360, GAT17395, GAT55359, GAT55358, GAT55357, GAT55356, GAT55355, GAT55354, GAT55353, GAT55352, GAT55351, GAT55350, GAT55349, GAT55348, GAT55347, GAT55346, GAT55345, GAT55344, GAT55343, GAT55342, GAT55341, GAT55340, GAT55339, GAT55338, GAT55337, GAT55336, GAT55335, GAT55334, GAT55333, GAT55332, GAT55331, GAT55330, GAT55329, GAT55328, GAT55327, GAT55326, GAT55325, GAT55324, GAT55323, GAT55322, GAT55321, GAT55320, GAT55319, GAT55318, GAT55317, GAT55316, GAT55315, GAT55314, GAT55313, GAT55312, GAT55311, GAT55310, GAT55309, GAT55308, GAT55307, GAT55306, GAT55305, GAT55304, GAT55303, GAT55302, GAT55301, GAT55300, GAT55299, GAT55298, GAT55297, GAT55296, GAT55295, GAT55294, GAT55293, GAT55292, GAT55291, GAT55290, GAT55289, GAT55288, GAT55287, GAT55286, GAT55285, GAT55284, GAT55283, GAT55282, GAT55281, GAT55280, GAT55279, GAT55278, GAT55277, GAT55276, GAT55275, GAT55274, GAT55273, GAT38343, GAT55272, GAT55271, GAT55270, GAT55269, GAT55265, GAT55264, GAT55263, GAT55260, GAT55258, GAT55257, GAT55256, GAT55255, GAT55254, GAT55253, GAT55252, GAT55251, GAT55250, GAT55249, GAT55248, GAT55247, GAT55246, GAT55245, GAT55244, GAT55243, GAT55242, GAT55241, GAT55240, GAT55239, GAT55238, GAT55237, GAT55236, GAT55235, GAT55234, GAT55233, GAT55232, GAT55231, GAT55230, GAT55229, GAT55228, GAT55227, GAT55226, GAT55225, GAT55224, GAT55222, GAT55221, GAT55220, GAT55219, GAT55218, GAT55217, GAT55216, GAT55215, GAT55214, GAT55213, GAT55212, GAT55211, GAT55210, GAT55209, GAT55208, GAT55207, GAT55206, GAT55205, GAT55204, GAT55203, GAT55202,

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SOURCES

Report: Kenney, J. , 2014, *Medieval and Post-Medieval Agricultural Features in North-West Wales. Report on Scheduling Enhancement Study. Part 1: Report and Gazetteer. , Report No. 1162*

REPORT 1162

PRN 44869 NAME Gas Pipeline Replacement: Pwllheli City Gate PRI to Blaenau Ffestiniog

PRI NGR SH5612840403 **COMMUNITY**

TYPE EVALUATION YEAR 2012 **ORGANISATION** Gwynedd Archaeological Trust (GAT) **PERSON** Kenney, J.

SUMMARY Gwynedd Archaeological Trust (GAT) has carried out a programme of archaeological work on the route of a replacement gas pipeline from Pwllheli to Blaenau Ffestiniog. The work was commissioned by RSK Environment Ltd (RSK) on behalf of Wales and West Utilities (WWU), and included an archaeological watching brief during removal of top soil and excavation of the pipe trench, and the archaeological excavation of sites identified during the watching brief. The work started on 16th March 2011 and was completed on 22nd September 2011. This document provides a preliminary statement on the results of the archaeological work and an assessment of the potential for further analysis. It is accompanied by a project design proposing what further work will be carried out to complete the study, reporting, publication and archiving of the results of the fieldwork.

DESCRIPTION

CROSS REFERENCES - GAT34075, GAT34076, GAT34077, GAT34078, GAT34080, GAT34081, GAT34082, GAT34083, GAT34084, GAT34085, GAT34086, GAT34087, GAT34088, GAT34089, GAT34090, GAT34091, GAT34092, GAT34093, GAT34094, GAT34095, GAT34096, GAT34097, GAT34101, GAT34103, GAT34105, GAT34106, GAT34107, GAT34108, GAT34109, GAT34110, GAT34111, GAT34112, GAT34113, GAT34114, GAT34115, GAT34117, GAT34118

SOURCES

Report: Kenney, J. , 2012, *Gas Pipeline Replacement: Pwllheli City Gate PRI to Blaenau Ffestiniog PRI:*

PRN 44870 NAME Gas Pipeline Replacement: Pwllheli City Gate PRI to Blaenau Ffestiniog PRI. Reports on Archaeological Mitigation (Volume 1 and 2). **NGR** SH5612840403 **COMMUNITY**
TYPE EVALUATION **YEAR** 2013 **ORGANISATION** Gwynedd Archaeological Trust (GAT) **PERSON** Kenney, J.
SUMMARY Gwynedd Archaeological Trust (GAT) was commissioned by RSK Environment Ltd (RSK) on behalf of Wales and West Utilities (WWU) to complete a programme of a archaeological mitigation along the route of a replacement gas pipeline from Pwllheli to Blaenau Ffestiniog. The route ran from NGR SH38533597 to NGR SH 70454573, and the archaeological mitigation started on 16th March 2011 and was completed on 22nd September 2011.

DESCRIPTION Two volumes.

CROSS REFERENCES - GAT34075, GAT34076, GAT34077, GAT34078, GAT34080, GAT34081, GAT34082, GAT34083, GAT34084, GAT34085, GAT34086, GAT34087, GAT34088, GAT34089, GAT34090, GAT34091, GAT34092, GAT34093, GAT34094, GAT34095, GAT34096, GAT34097, GAT34101, GAT34103, GAT34105, GAT34106, GAT34107, GAT34108, GAT34109, GAT34110, GAT34111, GAT34112, GAT34113, GAT34114, GAT34115, GAT34117, GAT34118, GAT34119, GAT34120, GAT34121, GAT34122, GAT37843, GAT37844, GAT37845, GAT37846, GAT37847, GAT37848, GAT37850, GAT37851, GAT37852, GAT37853, GAT37854, GAT37855, GAT37856, GAT37857, GAT37858, GAT37859, GAT37860, GAT37862, GAT37863, GAT37864, GAT37865, GAT37866, GAT37867, GAT37868, GAT37869, GAT37870, GAT37871, GAT37872, GAT37873, GAT37874, GAT37875, GAT37876, GAT37877, GAT37878, GAT37879, GAT37880, GAT37881, GAT37882, GAT37883, GAT37884, GAT37885, GAT37886, GAT37887, GAT37888, GAT37889, GAT37890, GAT37891, GAT37892, GAT37893, GAT37894, GAT37895, GAT37896, GAT37897, GAT37900, GAT37901, GAT37902, GAT37903, GAT37904, GAT37905, GAT37906, GAT37907, GAT37908, GAT37909, GAT37910, GAT37911, GAT37912, GAT37913, GAT37914, GAT37915, GAT37916, GAT37917, GAT37918, GAT37921, GAT37919, GAT37920, GAT37922, GAT37923, GAT37924, GAT55805

SOURCES

Report: Kenney, J. , 2013, Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog: Report on Archaeological Mitigation, Volume 1, GAT Report 1136 (Volume 1)
Report: Bale, R., Bates, M., Cootes, K., Giorgi, J., Goodwin, J., Grants, F., Hamilton, D., Jenkins, D., Macphail, R., McKinley, J., Nayling, 2013, Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog: Report on Archaeological Mitigation, Volume 2: Specialist Reports, GAT Report 1136 (Volume 2)

REPORT 1136

PRN 44886 NAME Arfordir Coastal Heritage: Final Report **NGR** - **COMMUNITY** -
TYPE Field Survey **YEAR** 2012 **ORGANISATION** Gwynedd Archaeological Trust (GAT) **PERSON** Parry, I., Parry, L., Evans, R., Hopewell, D., Davidson, A., Williams, T., and Berks, T.
SUMMARY The aim of the Arfordir/Coastal heritage project was to examine the potential impact of climate change and rising sea levels on coastal archaeology, and to involve local interest groups in the assessment process. The three year project built upon the results of earlier coastal assessments undertaken between 1993 and 1998. In Scotland, SCAPE, through their project Shorewatch, successfully integrated enthusiastic community interest with the need to assess, monitor and record archaeological remains within the eroding coastline. It was proposed that an approach be made to local communities in Wales to set up interest groups to undertake similar monitoring and recording tasks. Initially this approach was made to existing historical groups and community groups. This report incorporates of the findings of all three years of the Arfordir project carried out by GAT between April 2009 and March 2012, and includes information previously submitted in progress reports in 2010 and 2011 (GAT report numbers 861 and 941). Fieldwork formed a major component of the project. This was carried out both by GAT staff and volunteers. As part of the survey process a number of factors were recorded, including: the significance of archaeological sites and historic landscapes in relation to heights above sea level, the nature of the coast edge and foreshore, and the rate of erosion. Similarly the pressures and impacts on sites from increases in extreme weather patterns and rising sea levels were identified, and mitigation strategies proposed.

DESCRIPTION

CROSS REFERENCES - GAT67846, GAT67842, GAT67851, GAT421, GAT1332, GAT1477, GAT1570, GAT1748, GAT1749, GAT3022, GAT3037, GAT3038, GAT3185, GAT3567, GAT5669, GAT6787, GAT7193, GAT7248, GAT7249, GAT7285, GAT7286, GAT14601, GAT14614, GAT16601, GAT16610, GAT18392, GAT18393, GAT18394, GAT18395, GAT18400, GAT24001, GAT24002, GAT24003, GAT24004, GAT24005, GAT24006, GAT24007, GAT25280, GAT29834, GAT29835, GAT29836, GAT29837, GAT74918, GAT74910, GAT31507, GAT31508, GAT31509, GAT31510, GAT31511, GAT31512, GAT31513, GAT31514, GAT31515, GAT31516, GAT31517, GAT31518, GAT31519, GAT31520, GAT31521, GAT31522, GAT31523, GAT31524, GAT31525, GAT31526, GAT31527, GAT31528, GAT31529, GAT31530, GAT31531, GAT31532, GAT31533, GAT31534, GAT31535, GAT31536, GAT31537, GAT31538, GAT31539, GAT31540, GAT31541, GAT31542, GAT31543, GAT31544, GAT74960, GAT74962, GAT31547, GAT74966, GAT74970, GAT74958, GAT74964, GAT31555, GAT74956, GAT74954, GAT71182, GAT31559, GAT71190, GAT71192, GAT71184, GAT71186, GAT71188, GAT31566, GAT71176, GAT71180, GAT31569, GAT31570, GAT31572, GAT31573, GAT31574, GAT31575, GAT31576, GAT31577, GAT31578, GAT31579, GAT31580, GAT31581, GAT31582, GAT31583, GAT31584, GAT31585, GAT31586, GAT31587, GAT31588, GAT31589, GAT31590, GAT31591, GAT31592, GAT31593, GAT31594, GAT31595, GAT31596, GAT31597, GAT31598, GAT31599, GAT31600, GAT31601, GAT31602, GAT31603, GAT31604, GAT31605, GAT31608, GAT31609, GAT31610, GAT31611, GAT31612, GAT31613, GAT31614, GAT31615, GAT31616, GAT31617, GAT31618, GAT31619, GAT31620, GAT31621, GAT31622, GAT31623, GAT31624, GAT31625, GAT31626, GAT31627, GAT31629, GAT31630, GAT31631, GAT31632, GAT31633, GAT31634, GAT31635, GAT31636, GAT31637, GAT31638, GAT31639, GAT31640, GAT31641, GAT31642, GAT31643, GAT31644, GAT31645, GAT31646, GAT31647, GAT71178, GAT31649, GAT31650, GAT31651, GAT31652, GAT31653, GAT31654, GAT31655, GAT31656, GAT31657, GAT31658, GAT31659, GAT31660, GAT31661, GAT31662, GAT31663, GAT31664, GAT31665, GAT31666, GAT31667, GAT31668, GAT31669, GAT31670, GAT31671, GAT31672, GAT31673, GAT31674, GAT31675, GAT31676, GAT31677, GAT31678, GAT31679, GAT31680, GAT74785, GAT31682, GAT31683, GAT31684, GAT31685, GAT31686, GAT31688, GAT31689, GAT31690, GAT31691, GAT31692, GAT31693, GAT31694, GAT31695, GAT31696, GAT31697, GAT31698, GAT31699, GAT31700, GAT31702, GAT31703, GAT31704, GAT31705, GAT31706, GAT31707, GAT31708, GAT31709, GAT31710, GAT31711, GAT31712, GAT31713, GAT31715, GAT31716, GAT31717, GAT31718, GAT31719, GAT31720, GAT31721, GAT31722, GAT31723, GAT31724, GAT31725, GAT31726, GAT31727, GAT31728, GAT31729, GAT31730, GAT31731, GAT31732, GAT31733, GAT31900, GAT31902, GAT31904, GAT31905, GAT31906, GAT31907, GAT31908, GAT31909, GAT31910, GAT31911, GAT31912, GAT31913, GAT31914, GAT31915, GAT31916, GAT31917, GAT31918, GAT31919, GAT31920, GAT31921, GAT31922, GAT31923, GAT31924, GAT31925, GAT31926, GAT31927, GAT31928, GAT31929, GAT31930, GAT67844, GAT35030, GAT38046, GAT38057, GAT38065, GAT38086, GAT38242, GAT38243, GAT38244, GAT38245, GAT38246, GAT38250, GAT38271, GAT38272, GAT38273, GAT38274, GAT38275, GAT38276, GAT38277, GAT38278, GAT38279, GAT38280, GAT38281, GAT38282, GAT38283, GAT38284, GAT38285, GAT38286, GAT38287, GAT38288, GAT38289, GAT38290, GAT38291, GAT38292, GAT38315, GAT38356, GAT38357, GAT38358, GAT38614, GAT67847, GAT74968, GAT74916, GAT74972, GAT58755, GAT74912, GAT74914, GAT67849, GAT70619, GAT71174, GAT74908, GAT74953

SOURCES

Report: Parry, I., Parry, L., Evans, R., Hopewell, D., Davidson, A., Williams, T., and Berks, T., 2012, *Arfordir Coastal Heritage: Final Report*, GAT Report No. 1044

REPORT 1044

PRN 45048 NAME *Medieval and Post-Medieval Mills. Scheduling Enhancement 2011-12. Part 01: Report and Gazetteer.* **NGR - COMMUNITY** -

TYPE DESK BASED ASSESSMENT **YEAR** 2012 **ORGANISATION** Gwynedd Archaeological Trust (GAT) **PERSON** Evans, R., and Burnett, A.

SUMMARY GAT has been commissioned by CADW to identify the Medieval and Post Medieval sites in Caernarvonshire, to assess their condition and, where appropriate, to recommend sites for scheduling. The project has identified 486 mill or potential mill sites, through archive, cartographic and documentary research. Those sites showing potential as sites suitable for scheduling were visited in the field. These sites vary in date from the Medieval period through to the 19th century, and consist of a variety of site types and technologies. A database was created recording each of the mill sites individually with a unique site number. It is clear from the

work carried out on this project that the quantity of data and potential for research on Caernarvonshire mills is cast. There are undoubtedly more mills of interest, and perhaps of Schedulable quality in Caernarvonshire and these can only be assessed after further documentary research and field work.

DESCRIPTION

CROSS REFERENCES - GAT25861, GAT27047, GAT30931, GAT34315, GAT34350, GAT34353, GAT34432, GAT34439, GAT34440, GAT34534, GAT34540, GAT34560, GAT34598, GAT34602, GAT34603, GAT34617, GAT34630, GAT34245, GAT34247, GAT34265, GAT34273, GAT34294, GAT34298, GAT34308, GAT34309, GAT34311, GAT34329, GAT34341, GAT34354, GAT34363, GAT34376, GAT34379, GAT34381, GAT34404, GAT34438, GAT34442, GAT34466, GAT34485, GAT34507, GAT34509, GAT34528, GAT34543, GAT34546, GAT34549, GAT34550, GAT34551, GAT34563, GAT34580, GAT34581, GAT34594, GAT34595, GAT34604, GAT34611, GAT34616, GAT34624, GAT34566, GAT34610, GAT34623, GAT34237, GAT34263, GAT34589, GAT34270, GAT34428, GAT34431, GAT27138, GAT28417, GAT34489, GAT34625, GAT34622, GAT34488, GAT25820, GAT34436, GAT34445, GAT34447, GAT34448, GAT34449, GAT34450, GAT34451, GAT34452, GAT34453, GAT34454, GAT34457, GAT34458, GAT25726, GAT34224, GAT34238, GAT34255, GAT34274, GAT34275, GAT34276, GAT34277, GAT34278, GAT34280, GAT34281, GAT34284, GAT34285, GAT34287, GAT34288, GAT34292, GAT34295, GAT34296, GAT34302, GAT34306, GAT34312, GAT34318, GAT34320, GAT34321, GAT34322, GAT34324, GAT34325, GAT34326, GAT34328, GAT34330, GAT34334, GAT34335, GAT34337, GAT34339, GAT34342, GAT34344, GAT34345, GAT34346, GAT34347, GAT34349, GAT34352, GAT34355, GAT34356, GAT34357, GAT34358, GAT34359, GAT34360, GAT34361, GAT34362, GAT34364, GAT34365, GAT34366, GAT34368, GAT34369, GAT34370, GAT34371, GAT34372, GAT34373, GAT34374, GAT34375, GAT34382, GAT34383, GAT34384, GAT34385, GAT34386, GAT34387, GAT34389, GAT34393, GAT34394, GAT34395, GAT34396, GAT34398, GAT34399, GAT34400, GAT34401, GAT34402, GAT34403, GAT34406, GAT34407, GAT34409, GAT34410, GAT34411, GAT34412, GAT34413, GAT34414, GAT34415, GAT34416, GAT34418, GAT34419, GAT34420, GAT34422, GAT34423, GAT34424, GAT34425, GAT34426, GAT34429, GAT34430, GAT34433, GAT34434, GAT34443, GAT34461, GAT34462, GAT34467, GAT34468, GAT34469, GAT34470, GAT34471, GAT34472, GAT34474, GAT34476, GAT34477, GAT34478, GAT34479, GAT34481, GAT34482, GAT34484, GAT34486, GAT34490, GAT34491, GAT34492, GAT34493, GAT34494, GAT34497, GAT34498, GAT34502, GAT34505, GAT34506, GAT34510, GAT34511, GAT34513, GAT34514, GAT34516, GAT34518, GAT34519, GAT34520, GAT34521, GAT34522, GAT34523, GAT34524, GAT34532, GAT34554, GAT34570, GAT34572, GAT34575, GAT34446, GAT19911, GAT34227, GAT34240, GAT34256, GAT34262, GAT34269, GAT34282, GAT34332, GAT34333, GAT34338, GAT34377, GAT34380, GAT34390, GAT34421, GAT34455, GAT34456, GAT34475, GAT34480, GAT34483, GAT34526, GAT34553, GAT34621, GAT22501, GAT27735, GAT28124, GAT32555, GAT34246, GAT34250, GAT34251, GAT34264, GAT34267, GAT34268, GAT34293, GAT34300, GAT34303, GAT34310, GAT34313, GAT34319, GAT34323, GAT34336, GAT34340, GAT34343, GAT34348, GAT34351, GAT34391, GAT34392, GAT34405, GAT34408, GAT34417, GAT34435, GAT34437, GAT34441, GAT34444, GAT34487, GAT34499, GAT34500, GAT34501, GAT34503, GAT34508, GAT34515, GAT34525, GAT34529, GAT34530, GAT34531, GAT34535, GAT34536, GAT34538, GAT34542, GAT34544, GAT34555, GAT34559, GAT34561, GAT34564, GAT34565, GAT34567, GAT34569, GAT34571, GAT34573, GAT34574, GAT34576, GAT34583, GAT34584, GAT34591, GAT34618, GAT19907, GAT25874, GAT26176, GAT34241, GAT34242, GAT34248, GAT34249, GAT34259, GAT34279, GAT34289, GAT34290, GAT34316, GAT34317, GAT34331, GAT34367, GAT34388, GAT34397, GAT34495, GAT34504, GAT34568, GAT34585, GAT34225, GAT34243, GAT34244, GAT34252, GAT34254, GAT34257, GAT34266, GAT34271, GAT34272, GAT34297, GAT34299, GAT34314, GAT34465, GAT34473, GAT34517, GAT34539, GAT34582, GAT34596, GAT34600, GAT34608, GAT34626, GAT34258, GAT34597, GAT34463, GAT885, GAT1736, GAT1839, GAT1853, GAT1929, GAT1993, GAT2813, GAT3861, GAT4523, GAT5134, GAT5298, GAT6338, GAT6387, GAT6399, GAT6467, GAT6492, GAT6502, GAT8820, GAT8829, GAT8830, GAT8831, GAT8850, GAT8994, GAT9599, GAT11189, GAT11285, GAT11479, GAT11547, GAT11769, GAT11804, GAT11805, GAT11806, GAT12000, GAT12135, GAT12273, GAT12590, GAT12942, GAT15879, GAT16052, GAT17238, GAT17239, GAT18447, GAT18954, GAT18959, GAT19661, GAT20064, GAT20076, GAT20223, GAT20304, GAT21156, GAT21947, GAT24057, GAT24513, GAT24799, GAT25003, GAT25007, GAT26060, GAT29390, GAT29440, GAT29464, GAT29503, GAT29705, GAT29838, GAT30571, GAT30708, GAT31125, GAT34163, GAT34231, GAT34233, GAT34234, GAT34235, GAT34260, GAT34261, GAT34301, GAT34327, GAT34378, GAT34772, GAT37980, GAT37994, GAT56298, GAT56338, GAT60447, GAT62881, GAT64125, GAT64280, GAT64910, GAT66458, GAT66881, GAT66994, GAT67041

SOURCES

Report: Evans, R., and Burnett, A., 2012, *Medieval and Post-Medieval Mills. Scheduling Enhancement 2011-12. Part 01: Report and Gazetteer.*, Report No. 1042

REPORT 1042

PRN 45076 NAME Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment and Field Reconnaissance Survey. **NGR** SH5361440751 **COMMUNITY** -

TYPE DESK BASED ASSESSMENT **YEAR** 2010 **ORGANISATION** RSK Environment **PERSON** -

SUMMARY RSK Environment Ltd (RSK) has undertaken an archaeological desk-based assessment and field reconnaissance survey in 2010 for a proposed 38km-long pipeline between Pwllheli and Blaenau Ffestiniog in Gwynedd. The desk-based assessment (DBA) considered sources from the Gwynedd Archaeological Trust and Snowdonia National Park Historic Environment Records. Tithe maps, estate maps (where available) and 1st and 2nd edition Ordnance Survey mapping. The DBA was supported by an Archaeological Field Reconnaissance Survey (FRS), and a review of borehole data. In total, 618 archaeological sites or areas of interest were identified within the Study Area. These comprise 5 Scheduled Monuments, 189 Listed Buildings, four Conservation Areas, three Historic Parks and Gardens and 417 non-scheduled archaeological sites. Sites ranged from negligible to high archaeological importance and dated from the prehistoric to modern periods. Data was gathered for a study area of typically 1km based on the proposed pipeline centreline, referred to throughout this report as the Study Area.

DESCRIPTION -

CROSS REFERENCES - GAT68379, GAT68382, GAT68383, GAT68384, GAT68385, GAT68387, GAT68389, GAT68390, GAT68391, GAT68392, GAT68393, GAT68394, GAT68395, GAT68396, GAT68397, GAT68398, GAT68399, GAT68401, GAT68402, GAT68403, GAT68404, GAT68405, GAT68406, GAT68407, GAT68408, GAT68409, GAT68410, GAT68411, GAT68412, GAT68413, GAT68414, GAT68415, GAT68416, GAT68417, GAT68418, GAT68419, GAT68421, GAT68422, GAT68423, GAT68424, GAT68425, GAT68426, GAT68427, GAT68428, GAT68429, GAT68431, GAT68432, GAT68433, GAT68434, GAT68435, GAT68436, GAT68437, GAT68438, GAT68439, GAT68441, GAT68442, GAT68443, GAT68444, GAT68445, GAT68446, GAT68447, GAT68448, GAT68449, GAT68450, GAT68451, GAT68452, GAT68453, GAT68454, GAT68455, GAT68456, GAT68457, GAT68458, GAT68459, GAT68460, GAT68461, GAT68462, GAT68463, GAT68464, GAT68465, GAT68466, GAT68467, GAT68468, GAT68469, GAT68471, GAT68472, GAT68473, GAT68474, GAT68475, GAT68476, GAT68477, GAT68478, GAT68479, GAT68480, GAT68481, GAT68482, GAT68483, GAT68484, GAT68485, GAT68486, GAT68487, GAT68488, GAT68489, GAT68490, GAT68491, GAT68492, GAT68493, GAT68494, GAT68495, GAT68496, GAT68497, GAT68498, GAT68499, GAT68500, GAT68501, GAT68502, GAT68503, GAT68504, GAT68505, GAT68506, GAT68508, GAT68509, GAT68510, GAT68511, GAT83, GAT331, GAT838, GAT935, GAT942, GAT990, GAT991, GAT992, GAT993, GAT995, GAT1192, GAT1291, GAT1294, GAT1300, GAT1328, GAT1329, GAT1330, GAT1380, GAT1435, GAT1505, GAT1515, GAT1528, GAT1555, GAT1651, GAT1846, GAT2263, GAT2270, GAT2277, GAT2280, GAT2281, GAT2282, GAT2283, GAT2365, GAT2593, GAT3190, GAT3903, GAT4055, GAT4056, GAT4180, GAT4347, GAT4352, GAT4366, GAT4435, GAT5171, GAT5262, GAT5330, GAT5333, GAT5364, GAT5676, GAT5681, GAT5728, GAT5729, GAT5732, GAT5733, GAT5734, GAT5735, GAT5738, GAT6054, GAT6055, GAT6056, GAT6067, GAT6102, GAT6106, GAT6109, GAT6326, GAT6340, GAT6342, GAT6343, GAT6344, GAT6458, GAT6498, GAT6499, GAT6514, GAT6515, GAT6537, GAT6625, GAT6854, GAT6856, GAT6902, GAT6933, GAT7043, GAT7047, GAT7055, GAT7249, GAT7353, GAT7355, GAT7358, GAT8224, GAT9836, GAT9838, GAT9839, GAT9865, GAT11090, GAT11095, GAT11097, GAT11112, GAT11368, GAT11479, GAT11525, GAT11539, GAT11542, GAT11551, GAT11576, GAT11577, GAT11603, GAT11637, GAT11682, GAT11698, GAT11741, GAT11747, GAT11752, GAT11776, GAT11849, GAT11850, GAT11851, GAT11996, GAT12190, GAT12261, GAT12292, GAT12317, GAT12326, GAT12351, GAT12360, GAT12377, GAT12387, GAT12406, GAT12414, GAT12421, GAT12434, GAT12435, GAT12436, GAT12450, GAT12458, GAT12476, GAT12478, GAT12495, GAT12630, GAT12631, GAT12643, GAT12704, GAT12739, GAT12740, GAT15643, GAT16948, GAT17543, GAT17544, GAT17545, GAT17559, GAT17812, GAT17813, GAT17821, GAT17830, GAT18201, GAT18204, GAT18205, GAT18208, GAT18209, GAT18218, GAT18227, GAT18229, GAT18231, GAT18232, GAT19622, GAT19627, GAT19659, GAT20202, GAT20207, GAT20212, GAT20213, GAT20214, GAT20230, GAT20231, GAT20292, GAT20304, GAT20508, GAT20510, GAT20661, GAT20665, GAT20668, GAT20669, GAT20672, GAT20768, GAT20776,

GAT20784, GAT20787, GAT20788, GAT20966, GAT20974, GAT20976, GAT20977, GAT20978, GAT20981, GAT20987, GAT21171, GAT21172, GAT21174, GAT21175, GAT21177, GAT21518, GAT21775, GAT21944, GAT24742, GAT24772, GAT29701, GAT29706, GAT30498, GAT30499, GAT31087, GAT31089, GAT31090, GAT31091, GAT31092, GAT31093, GAT31094, GAT31101, GAT31102, GAT31103, GAT31104, GAT31106, GAT31107, GAT31108, GAT31109, GAT31110, GAT31111, GAT31112, GAT31113, GAT31114, GAT31115, GAT31116, GAT31118, GAT31119, GAT31121, GAT31122, GAT31123, GAT31124, GAT31125, GAT31126, GAT31127, GAT31129, GAT31130, GAT31131, GAT31132, GAT31138, GAT31145, GAT31147, GAT31151, GAT31724, GAT35032, GAT35033, GAT36230, GAT36261, GAT36364, GAT36693, GAT36858, GAT36861, GAT38217, GAT56766, GAT56864, GAT56888, GAT57302, GAT57387, GAT57389, GAT57475, GAT57476, GAT57497, GAT57498, GAT58445, GAT58446, GAT58447, GAT58449, GAT59325, GAT61466, GAT62351, GAT62802, GAT62803, GAT62804, GAT62805, GAT62806, GAT62807, GAT62808, GAT62809, GAT62810, GAT62814, GAT62817, GAT62820, GAT62830, GAT62833, GAT62834, GAT62837, GAT62838, GAT62839, GAT62841, GAT63520, GAT63522, GAT63530, GAT63545, GAT63546, GAT63562, GAT63848, GAT63850, GAT63852, GAT63854, GAT63856, GAT63859, GAT63860, GAT63861, GAT63862, GAT63864, GAT63865, GAT63866, GAT63867, GAT63869, GAT63872, GAT63873, GAT63874, GAT63875, GAT63876, GAT63877, GAT63879, GAT63880, GAT63881, GAT63882, GAT63883, GAT63884, GAT64570, GAT64873, GAT64877, GAT64878, GAT64881, GAT64883, GAT64887, GAT64889, GAT64891, GAT64895, GAT64902, GAT64903, GAT64904, GAT64907, GAT64909, GAT64910, GAT64911, GAT64914, GAT64916, GAT64917, GAT64920, GAT64921, GAT64923, GAT64929, GAT64934, GAT64935, GAT64940, GAT64942, GAT64943, GAT64944, GAT64945, GAT64946, GAT64947, GAT64948, GAT64949, GAT64953, GAT64958, GAT64959, GAT64963, GAT64966, GAT64967, GAT64968, GAT65064, GAT65065, GAT65079, GAT65092, GAT65099, GAT65104, GAT65107, GAT65120, GAT65133, GAT65206, GAT65207, GAT65232, GAT65244, GAT65394, GAT65396, GAT65416, GAT67058, GAT37904, GAT37908, GAT37905, GAT37906, GAT37907, GAT37917, GAT37918, GAT37844, GAT37845, GAT37846, GAT37849, GAT37851, GAT37852, GAT37854, GAT37855, GAT37856, GAT37857, GAT37858, GAT37859, GAT37860, GAT37861, GAT37862, GAT37863, GAT37864, GAT37865, GAT37866, GAT37867, GAT37868, GAT37869, GAT37870, GAT37871, GAT37872, GAT37873, GAT37874, GAT37875, GAT37876, GAT37877, GAT37878, GAT37879, GAT37880, GAT37881, GAT37884, GAT37885, GAT37886, GAT37887, GAT37888, GAT37889, GAT37890, GAT37891, GAT37892, GAT37893, GAT37894, GAT37895, GAT37896, GAT37897, GAT37900, GAT37901, GAT37902, GAT37903, GAT37909, GAT37910, GAT37911, GAT37912, GAT37913, GAT37914, GAT37916, GAT37919, GAT37920, GAT37921, GAT37922, GAT37923

SOURCES

Report: RSK Environment Ltd, 2010, Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment and Field Reconnaissance Survey.,

REPORT P41119

PRN 45081 **NAME** Land At Bryn Bachau Farm, Chwilog,

Gwynedd. **NGR** SH42853725 **COMMUNITY** Llanystumdwy

TYPE GEOPHYSICAL SURVEY **YEAR** 2015 **ORGANISATION** Wardell Armstrong **PERSON** Railton, M.

SUMMARY Wardell Armstrong Archaeology was commissioned by BNRG Renewables Ltd., to undertake archaeological trial trenching of land at Bryn Bachau Farm, Chwilog, Gwynedd (Centred on SH 4285 3725). This work was undertaken in relation to a planning application (C15/0571/41/LL) for a proposed new solar development. The archaeological trial trenching was undertaken over five days from the 2nd to the 6th of November 2015 and involved the excavation of ten trenches. Six of the ten trenches were devoid of archaeological features. Archaeological features were observed in four trenches, but no finds were recovered from any of the features to date them. There were two shallow ditches, one each in Trenches 7 and 8. The ditches had similar fills and profiles that appeared to be contemporary and part of an earlier field system that had been detected during a previous geophysical survey. Two shallow ditches, were also revealed in Trenches 1 and 5. The ditches also appeared to part of earlier field systems and but may not be contemporary. The ditch in Trench 1 was one detected during the geophysical survey mentioned above.

DESCRIPTION

CROSS REFERENCES - GAT5732, GAT7345, GAT68538, GAT68539, GAT68540

SOURCES

Report: Railton, M. , 2015, Land At Bryn Bachau Farm, Chwilog, Gwynedd, Report No. CP11402

REPORT CP11402

PRN 45283 **NAME** Land at Bryn Bachau Farm, Chwilog, Gwynedd. Archaeological Trial Trenching

Report. **NGR** SH42853725 **COMMUNITY** Llanystumdwy

TYPE EXCAVATION **YEAR** 2015 **ORGANISATION** Wardell Armstrong **PERSON** 2015

SUMMARY Wardell Armstrong were commissioned by BNRG Renewables Ltd, to undertake archaeological trial trenching of land at Bryn Bachau Farm, Chwilog, Gwynedd in 2015. The work revealed archaeological features thought to be associated with field systems, some of which were identified during the previous geophysical survey.

DESCRIPTION -

CROSS REFERENCES - GAT68538, GAT68539, GAT68540

SOURCES

Report: McElligott, M. , 2015, BNRG Renewables Ltd. Land at Bryn Bachau Farm, Chwilog, Gwynedd.

Archaeological Trial Trenching Report. , CP11495/15

REPORT CP11495/15

PRN 45310 **NAME** Pwllheli to Blaenau Ffestiniog. Report on Archaeogeophysical Survey of Proposed Gas Pipeline 2009 **NGR** SH6920842118 **COMMUNITY** Ffestiniog

TYPE GEOPHYSICAL SURVEY **YEAR** 2009 **ORGANISATION** Bartlett-Clark Consultancy **PERSON** Bartlett, A.D.H.

SUMMARY Bartlett-Clark Consultancy was commissioned by RSK Environment Ltd to undertake a geophysical survey to form part of an environmental evaluation on behalf of Multitech and Wales and West Utilities of a proposed gas pipeline route between Pwllheli and Blaenau Ffestiniog. The survey was carried out in July and August 2009. The survey identified a number of features. Most were thought to be geological with only a few of likely archaeological concern.

DESCRIPTION -

CROSS REFERENCES -

SOURCES

Report: Bartlett, A.D.H. , 2010, Pwllheli to Blaenau Ffestiniog. Report on Archaeogeophysical Survey of Proposed Gas Pipeline 2009. Part 1: Report and Inventory of Findings,

REPORT BARTLETT1

PRN 45327 **NAME** Hafan-y-Mor Archaeological Fieldwork

Report **NGR** SH4301836311 **COMMUNITY** Llannor

TYPE EVALUATION **YEAR** 2013 **ORGANISATION** L-P: Archaeology **PERSON** Rees, C., & Williams, M.

SUMMARY L-P Archaeology undertook five phases of archaeological works on behalf of Bourne Leisure Ltd at land at Hafan-y-Mor Holiday Park, Pwllheli. Archaeological work was undertaken on Land Parcels 1, 5 and 6 ahead proposed developments. A number of archaeological features and finds were recorded during the works.

DESCRIPTION -

CROSS REFERENCES - GAT74561, GAT74562, GAT74563, GAT74564, GAT74565, GAT74566, GAT74567, GAT74568, GAT74569, GAT74570, GAT74571, GAT74572, GAT74573, GAT74574, GAT74575, GAT74576

SOURCES

Report: Rees, C., & Williams, M., 2013, Hafan-y-Mor: Archaeological Fieldwork Report, LP1163C
REPORT LP1163C

PRN 54777 NAME Afon Wen Waste Water Treatment Works, Chwilog:
Assessment **NGR SH4388937381 COMMUNITY** Llanystumdwy
TYPE Desk Based Assessment **YEAR 2004 ORGANISATION** Gwynedd Archaeological Trust
(GAT) **PERSON** Kenney, J.

SUMMARY Archaeological assessment undertaken by Gwynedd Archaeological Trust to the south of Afon Wen, Chwilog, in advance of construction of a waste water treatment works.

DESCRIPTION

CROSS REFERENCES 40674, 54778 GAT19695, GAT19696, GAT19697, GAT29701, GAT29702, GAT29703, GAT29704, GAT29705

SOURCES

Report: Kenney, J., 2004, Afon Wen Waste Water Treatment Works, Chwilog: Assessment, GAT Report No. 551
REPORT 551

PRN 54778 NAME Waste Water Pipe for Afon Wen Waste Water Treatment Works, Chwilog:
Assessment **NGR SH4388937381 COMMUNITY** Llanystumdwy
TYPE Desk Based Assessment **YEAR 2004 ORGANISATION** Gwynedd Archaeological Trust
(GAT) **PERSON** Kenney, J.

SUMMARY Archaeological assessment carried out by Gwynedd Archaeological Trust to the south of Afon Wen, Chwilog, undertaken in advance of the laying of a waste water pipe in association with the construction of a water treatment works.

DESCRIPTION

CROSS REFERENCES 40674, 54777 GAT19695, GAT19696, GAT19697, GAT29701, GAT29702, GAT29703, GAT29704, GAT29705, GAT29706

SOURCES

Report: Kenney, J., 2004, Waste Water Pipe for Afon Wen Waste Water Treatment Works, Chwilog:
Assessment, GAT Report No. 552
REPORT 552

PRN 54798 NAME A497 Improvement Abererch to Llanystumdwy: Assessment of Potential for Post-Excavation Analysis **NGR SH4299036911 COMMUNITY** Llanystumdwy
TYPE Post Excavation Assessment **YEAR 2005 ORGANISATION** Gwynedd Archaeological Trust
(GAT) **PERSON** Berks, T. & Roberts, J.

SUMMARY Assessment of potential for post-excavation analysis carried out by Gwynedd Archaeological Trust as part of the archaeological works undertaken in advance of and during the partial replacement and improvement of the current A497 between Abererch and Llanystumdwy, Gwynedd.

DESCRIPTION

CROSS REFERENCES 40677 GAT31103, GAT31133, GAT31134, GAT31135, GAT31136, GAT31137, GAT31138, GAT5734, GAT31139, GAT31140, GAT5735, GAT31142, GAT31141, GAT5729, GAT31143, GAT31144, GAT31145, GAT31146, GAT31147, GAT31126, GAT31148, GAT31149, GAT31150, GAT31151, GAT31152

SOURCES

Report: Berks, T. & Roberts, J., 2005, A497 Improvement Abererch to Llanystumdwy: Assessment of Potential

Key to Abbreviations and Terms

GAT: Gwynedd Archaeological Trust; **HER:** Historic Environment Record; **PRN** : Primary Reference Number, each site and event is given a unique PRN; **NAME:** The name of the event; **NGR:** Ordnance Survey National Grid Reference; **COMMUNITY:** The community council in which the event took place; **TYPE:** Describes the event type e.g. EXCAVATION; **YEAR:** The year in which the event took place; **ORGANISATION:** The name of the organisation who carried out the event; **PERSON:** The name of the individual/s who carried out the event; **SUMMARY:** A short, unreferenced summary of the event written by HER staff; **DESCRIPTION:** Detailed description of the event; **CROSS REFERENCES:** Any core and/or event PRNs relating to the event; **SOURCES:** The bibliographic references relating to the event; **REPORT:** The reference number of the unpublished report relating to the event (not all event types will produce reports).

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Archaeological data, from the Gwynedd Historic Environment Record, supplied by Gwynedd Archaeological Trust in partnership with Local Authorities, Cadw and the partners of the HEDS group Wales, GAT, 2016.

Archaeology
Wales

APPENDIX IV:
Written Scheme of Investigation

WRITTEN SCHEME OF INVESTIGATION

FOR AN ARCHAEOLOGICAL

DESK-BASED ASSESSMENT

AT HAFAN Y MÔR, CHWILOG, PWLLHELI

Prepared for:

Bourne Leisure

Planning Reference Number: C10D/0141/40/LL

Project No: 2660

24.06.19



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Figure 1. Site location

Summary

This Written Scheme of Investigation (WSI) details the proposal for an archaeological Desk Based Assessment and Site Visit associated with twelve base development to the east of the lake at Hafan Y Môr, Pwllheli, centred on SH4343636685. It has been prepared by Archaeology Wales Ltd for Bourne Leisure to conform to Condition 9 of Planning Reference No. C10D/0141/40/LL.

In 2011, Gwynedd Archaeological Trust (GAT) completed a programme of archaeological mitigation along the route of a replacement gas pipeline from Pwllheli to Blaenau Ffestiniog. Archaeological remains dating from prehistoric times to medieval chronologies were recovered during this programme of work, which run close to the DBA's study area. A rectangular pit showing evidence of firing and the remains of two burnt mounds were located to the north and east of the site. A large medieval corn drier was revealed to the west of the proposed study area (Kenney 2013). In October 2018, Archaeology Wales was commissioned by Bourne Leisure Ltd to carry out an Archaeological Desk Based Assessment and Site Visit to determine the archaeological potential of land to the NE of Hafan Y Mor. Three new sites were recorded within the proposed development area during the course of the assessment (Garcia Rovira 2018). A subsequent watching brief by AW at this site was negative.

All work will be undertaken in accordance with the standards and guidelines of the Chartered Institute for Archaeologists (2014).

1. Introduction and planning background

This WSI details the proposal for an archaeological Desk Based Assessment and Site Visit to be undertaken in association with a twelve base development to the east of the lake at Hafan Y Môr, Pwllheli, centred on SH4343636685 (Figure 1). The associated Planning Application No. is C10D/0141/40/LL.

In 2011, Gwynedd Archaeological Trust (GAT) completed a programme of archaeological mitigation along the route of a replacement gas pipeline from Pwllheli to Blaenau Ffestiniog. Archaeological remains dating from prehistoric times to medieval chronologies were recovered during this programme of work, which run close to the development area. A rectangular pit showing evidence of firing and the remains of two burnt mounds were located to the north and east of the site. A large

medieval corn drier was revealed to the west of the proposed study area (Kenney 2013). In October 2018, Archaeology Wales was commissioned by Bourne Leisure Ltd to carry out an Archaeological Desk Based Assessment and Site Visit to determine the archaeological potential of the adjacent site. Three new sites were recorded within the proposed development area during the course of the assessment (Garcia Rovira 2018). A subsequent watching brief by AW at the adjacent site was negative. This WSI has been prepared by Dr Irene Garcia Rovira, Project Manager, Archaeology Wales Ltd (henceforth - AW) at the request of Bourne Leisure. The methodology set out in this WSI has been agreed with GAPS in its capacity as archaeological advisors to the local planning authority. GAPS has recommended that an archaeological Desk Based Assessment and Site Visit of the development site is undertaken to assess the impact of the proposed development on the archaeological resource. This is noted on Condition 9 which details:

"No development shall be commenced on any parcel which is the subject of this permission until a desk-based study of the potential archaeological interest of each phase has been submitted to and approved in writing by the local planning authority. The desk-based study shall identify any further investigation and/or observation that may be required during the course of construction work. Any archaeological mitigation work required as a result of such investigation and/or observation shall be carried out in accordance with details which shall be approved by the local planning authority beforehand."

All work will conform to the *Standard and Guidance for Archaeological Desk Based Assessment* (CIfA 2014) and be undertaken by suitably qualified staff to the highest professional standards. AW is a Registered Organisation with the CIfA.

2. Development Details & Site Description

The area subjected to the study is located within Hafan Y Môr Holiday Park. The site is bounded to the north and east by holiday accommodation, to the south by a carpark, and to the west by the lake. The site itself is located between 1.5m and 3m AOD.

The underlying geology is defined by the Dwyfach Formation, including sandstone formed during the Ordovician Period. The superficial soils are defined as glacial deposits formed during the Quaternary Period, containing diamicton, sand and gravel (BGS 2018).

This plot will be the sitting of accommodation units, and will include the laying out of the drive to service the caravans/units.

3. Objectives

The primary objective will be to assess the impact of the development proposals on the historic environment by means of a Desk Based Assessment and Site Visit. This will help inform future decision making, design solutions and potential mitigation strategies. The aim will be to make full and effective use of existing information in establishing the archaeological significance of the site, to elucidate the presence or absence of archaeological material, its character, distribution, extent, condition and relative significance.

The work will include a comprehensive assessment of regional context within which the archaeological evidence rests and will aim to highlight any relevant research issues within national and regional research frameworks.

The work will result in a report that will provide information of sufficient detail to allow informed planning decisions to be made which can safeguard the archaeological resource. Preservation *in situ* will be advocated where at all possible, but where engineering or other factors result in loss of archaeological deposits, preservation by record will be recommended.

4. The proposed archaeological work

The aim of the work will be to establish and make available information about the archaeological resource existing on the site. The work will include the following elements:

- Desk Based Assessment (Stage 1)
- A site visit (Stage 2)
- The production of an illustrated report (Stage 3)

5. Method Statement for a Detailed Desk Based Assessment (Stage 1)

The assessment will consider the following:

a) The nature, extent and degree of survival of archaeological sites, structures, deposits and landscapes within the study area through assessment of various readily available primary sources:

1. Collation and assessment of all relevant information held in the regional HER, including listed building records, within a 1km radius of the assessment area boundary.
2. Assessment of all available excavation report and archives including unpublished and unprocessed material affecting the site and its setting.
3. Assessment of all relevant extant aerial photographic (AP) evidence. This will include those held by the regional HER and the RCAHMMW, Aberystwyth.
4. All sources indexed in the County Archive
5. Heritage Gateway sources
6. Records held by the developer e.g. bore hole logs, geological/geomorphological information, aerial photographs, maps, plans
7. Map regression analysis using all relevant cartographic sources e.g. All editions of the Ordnance Survey County Series, Tithe and early estate maps (as available).
8. Place name evidence
9. Internet sourced satellite imagery and LiDAR
10. Historic documents (e.g. Charters, registers, estate papers).

b) The significance of any remains in their context both regionally and nationally and in light of the findings of the desk based study.

6. The Site Visit (Stage 2)

The site visit will be a visual walked search of the entire development area. The ground surface will be visually inspected for all earthworks, structures and finds. The location of any environmental archaeological deposits, or areas which may have a potential for such deposits, will also be considered along with the more traditional 'visible' archaeology.

All located sites or finds will be accurately fixed by means of GPS. Each individual find or site location will have an accurate NGR reference attached. Where a close cluster of related features is identified a single NGR for the centre of the cluster will be used, and each constituent feature separately described in the text.

The character, function, condition, vulnerability, potential dating and relationship to other features of each identified site or find will be described fully. The importance of the site or find will be assessed in terms of local, regional or national significance.

A sketch survey of each identified site layout will be made with accompanying metric measurements

Written, drawn and photographic records of an appropriate level of detail will be maintained throughout the course of the project. Digital photographs, including metric scales, will be taken using cameras with resolutions of 14 mega pixels or above. Photographs will be taken in RAW format.

Illustrations will be drawn to a scale of 1:50, 1:20 and 1:10 as required, and these will be related to Ordnance Survey datum and published boundaries where appropriate.

7. The production of an illustrated report and the deposition of the site archive (Stage 3)

A report will be produced which synthesises the results of stages 1 and 2 and thereby assesses the total archaeological resource within the development area.

The results will be presented in such a way that data and supporting text are readily cross-referenced. The regional HER Officer will be contacted to ensure that any sites or monuments not previously recorded in the HER are given a Primary Record Number (PRN) and that data structure is compatible with the HER. The historical development of the site will be presented in phased maps and plans comprising clearly, the outline of the site.

Within the report an attempt will be made to indicate areas of greater or lesser archaeological significance and the sites will be ranked in level of overall archaeological importance (locally, regionally and nationally).

All relevant aerial photographs and historic maps will be included and be fully referenced. Any site photographs included in the report will be appropriately captioned and clearly located on a suitably scaled site plan.

The report will be used to inform future decision making regarding further stages of archaeological work (Field Evaluation, Watching Brief etc), the development construction and processes used.

The report will specifically include the following:

1. a copy of the design brief
2. a location plan
3. all identified sites plotted on an appropriately scaled plan of the proposal site
4. a gazetteer of all located sites and finds with full dimensional and descriptive detail including grid reference and period

Copies of the report will be sent to: Bourne Leisure, GAPS, and for inclusion in the regional HER. Digital copies will be provided in pdf format if required.

Any further stages of archaeological work, after the submission of the report for stages one and two outlined above, will be the subject of an additional GAPS curatorial brief against which a further AW specification will be drawn up.

The site archive

A project archive will be prepared in accordance with the National Monuments Record agreed structure and be deposited with the County Museum on completion of site analysis and report production. It will also conform to the guidelines set out in 'management of research projects in the historic environment' (English Heritage, 2006).

Arrangements will be made for deposition of the physical archive with the County Museum before work starts.

The digital archive will be deposited with the Archaeological Data Service.

Although there may be a period during which client confidentiality will need to be maintained, the report and the archive will be deposited not later than six months after completion of the work.

Other significant digital data generated by the survey (ie AP plots, EDM surveys, CAD drawings, GIS maps, etc) will be presented as part of the report on a CD/DVD. The format of this presented data will be agreed with the curator in advance of its preparation.

8. Staff

The project will be managed by Irene Garcia Rovira (AW Project Manager) and the fieldwork undertaken by Kate Pitt (Archaeology Wales). Any alteration to staffing before or during the work will be brought to the attention of GAPS and the client.

Additional Considerations

9. Health and Safety

9.1. Risk assessment

Prior to the commencement of work AW will carry out and produce a formal Health and Safety Risk Assessment in accordance with *The Management of Health and Safety Regulations 1992*. A copy of the risk assessment will be kept on site and be

available for inspection on request. A copy will be sent to the client (or their agent as necessary) for their information. All members of AW staff will adhere to the content of this document.

9.2. Other guidelines

AW will adhere to best practice with regard to Health and Safety in Archaeology as set out in the FAME (Federation of Archaeological Managers and Employers) health and safety manual *Health and Safety in Field Archaeology (2002)*.

10. Insurance

AW is fully insured for this type of work, and holds Insurance with Aviva Insurance Ltd and Hiscox Insurance Company Limited through Towergate Insurance. Full details of these and other relevant policies can be supplied on request.

11. Quality Control

11.1. Professional standards

AW works to the standards and guidance provided by the *Chartered Institute for Archaeologists*. AW fully recognise and endorse the Chartered Institute for Archaeologists' *Code of Conduct*, *Code of Approved Practice for the Regulation of Contractual Arrangements in Field Archaeology* and the *Standard and Guidance for archaeological watching briefs* currently in force. All employees of AW, whether corporate members of the Chartered Institute for Archaeologists or not, are expected to adhere to these Codes and Standards during their employment.

11.2. Project tracking

The designated AW manager will monitor all projects in order to ensure that agreed targets are met without reduction in quality of service.

12. Arbitration

Disputes or differences arising in relation to this work shall be referred for a decision in accordance with the Rules of the Chartered Institute of Arbitrators' *Arbitration Scheme for the Institute for Archaeologists* applying at the date of the agreement.

13. References

Bale, R., Bates, M., Cootes, K., Giorgi, J., Goodwin, J., Grants, F., Hamilton, D., Jenkins, D., Macphail, R., McKinley, J., Nayling, 2013, Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog: Report on Archaeological Mitigation, Volume 2: Specialist Report. GAT Report No. 1136

Garcia-Rovira, 2018 - Land to the NE of Hafan Y Mor, Pwllheli DBA. AW Report 1719






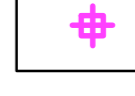
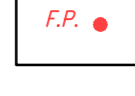

Kenney, J., 2013 , Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog: Report on Archaeological Mitigation, Volume 1. GAT Report No. 1136

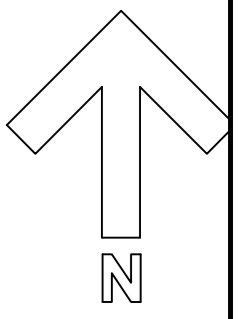
CIfA, 2014, Standard and Guidance for Archaeological Desk Based Assessment

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KEY

-  EXISTING TREES
-  EXISTING TREES TO BE REMOVED
-  PROPOSED LANDSCAPING/TREES
-  ENTRANCE FEATURE AREA LIGHTING
-  5m HIGH LAMP COLUMN WITH GLOBE LIGHT INSTALLED BY ELECTRICAL CONTRACTOR.
-  LOW LEVEL BOLLARD LIGHT BY HAWKINS INSTALLED BY ELECTRICAL CONTRACTOR.
-  PROPOSED FIRE POINT
-  PROPOSED UNIT 44X14ft (13.4X4.3m) - 12 NO.



REV	DESCRIPTION	DATE	INITIALS

Bratherton 

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Pulford • Chester • CH4 9EP

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*HAFAN-Y-MŌR HOLIDAY PARK
- 12 BASE DEVELOPMENT TO
EAST OF LAKE 2019*

GENERAL ARRANGEMENT

DATE 10/06/19	SCALE 1:500 @ A2
DRAWN JB CHECKED	REV JOB 1087/42A/3

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