

Archaeology Wales

Land north of Hafan Y Môr, Chwilog Pwllheli, Gwynedd

Archaeological Desk Based Assessment



By
Irene Garcia Rovira PhD MCiFA

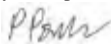
Report No. 1719

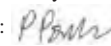
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Non – Technical Summary

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 northwest of Hafan Y Môr Holiday Park, Pwllheli, centred on SH 43621 36833. It has been prepared to conform to Condition 9 of Planning Reference No. C10D/0141/40/LL.

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

Three new sites have been recorded within the proposed development area during the course of the assessment. Three circular features have been detected in Area A during the examination of LiDAR and aerial imagery (HYM 002). The function/date of these features is unknown, though their presence was observed during the site visit in the form of raised ground. The contemporary OS map documents the existence of a rectangular enclosure to the east of Area A probably associated with the adjacent sewage works (HYM 001). No evidence of this structure was observed during the site visit. Furthermore, aerial photographs dating to 1945 document a large rectangular enclosed area in Area B (HYM 003). Given the altitude of the flight and the under exposition of the photograph it was difficult to determine the function/date of this feature, though it is probable that it belongs to the HMS Glendower naval training base. Existing development plans confine groundworks to the southwest and central regions of Area A, and it is therefore established that they will have a Minor to Negligible Impact on the aforementioned features.

HYM 001 – 3 lie within areas subjected to landscaping. 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 adjacent area, it is recommended that all groundworks associated with the sitting of caravans are monitored by a Watching Brief Archaeologist.

Crynodeb

Ym mis Hydref 2018, cafodd Archaeoleg Cymru ei gomisiynu gan Bourne Leisure Ltd i gyflawni Asesiad Desg Archaeolegol ac Ymweliad Safle er mwyn benderfynu potensial archaeolegol y tir i'r Gogledd-orllewin o Wersylla Hafan y Môr, Pwllheli, wedi'i lleoli ar SH 43621 36833. Mae hwn wedi'i baratoi i gydymffurfio gydag Amod 9 Gyfeiriad Cynllunio Rhif. C10D/014/40/LL.

Ni fydd y datblygiad arfaethedig yn effeithio'n uniongyrchol neu'n anuniongyrchol ar unrhyw Ardal Gadwraeth, Gardd a Pharc Hanesyddol, Heneb Restredig, Adeilad Rhestredig neu unrhyw safle archaeolegol hysbys. Mae tri safle newydd wedi'u cofnodi o fewn yr ardal datblygu arfaethedig yn ystod yr asesiad. Mae tair nodwedd gylchol wedi'u canfod yn Ardal A wrth ymchwilio LiDAR a delweddau o'r awyr (HYM 002). Nid yw swyddogaeth/oedran y nodweddion yn hysbys, er y gwelwyd eu presenoldeb yn ystod yr ymweliad i'r safle ar ffurf tir wedi'i godi. Mae'r Map OS cyfoes yn nodi'r fodolaeth o amgaead petryal i'r Dwyrain o Ardal A sydd, yn ôl pob tebyg, yn gysylltiedig â'r gwaith carthion cyfagos (HYM 001). Ni welwyd unrhyw dystiolaeth o'r strwythur hwn yn ystod yr ymweliad i'r safle. Yn ogystal i hwn, mae'r awyrluniau sy'n dyddio i 1945 yn nodi ardal fawr betryalog wedi'i hamgáu yn Ardal B (HYM 003). Gan gofio uchder yr awyren ac is-disgrifiad y llun, fe oedd hi'n anodd pennu swyddogaeth/oedran y nodwedd hon, er ei bod yn debygol ei bod yn perthyn i'r ganolfan hyfforddi HMS Glendower.

Mae cynlluniau datblygu sy'n bodoli eisioes yn cyfyngu'r gwaith tir i'r ardal Dde-ddwyrain a rhanbarthau canolog Ardal A, ac felly sefydlir y byddant yn cael Effaith Mân i Ddibwys ar y nodweddion y cyfeirir atynt uchod. Mae HYM 001 – 3 yn gorwedd o fewn ardaloedd sy'n cael ei thirlunio. Argymhellir felly bod y Gwaith tirlunio yn defnyddio dull llenwi yn hytrach na thorri er mwyn osgoi tarfu ar unrhyw weddillion archaeolegol posib. O ystyried presenoldeb gweddillion cynhanesyddol o fewn Hafan y Môr ar ffurf darganfyddiadau ynysig, a hefyd presenoldeb gweddillion o'r Oes Efydd (e.e. twmpathau wedi'i losgi) yn yr ardal gyfagos, argymhellir bod yr holl waith tir sy'n gysylltiedig ag eistedd carafanau yn cael eu monitro gan Archaeolegydd Wrth-Gwyllo.

1 Introduction

- 1.1 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 Môr Holiday Camp, Pwllheli, centred on SH 43621 36833 (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 (revised edition 9, 2016), 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 across two fields which are 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 to the NE of Hafan Y Môr Holiday Park, and covers two fields, defined in this report as Area A and Area B. These areas contain a mix of grassland, scrub and planted trees.
- 2.2 Area A corresponds to the southernmost field. It has an area of 5 acres and it is currently bounded by caravan plots and an electrical substation to the south, the sewage works to the east, Area B to the north, and the railway line to the west. A stream defines the limits of the northern and western boundaries, as well as ditch and a line of trees.
- 2.3 Area B corresponds to the northernmost field. While this field measures 5.5 acres, only 3.5 areas fall within the development boundaries. This is bounded to the north by an open field, to the east by the coast, to the south by Area A and to the west by the railway line. The site boundaries are defined by a line of trees to the east, north and south.
- 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 the sitting of caravans, and will include the laying out of roads to service the caravans. Figure 1 notes that groundworks will be contained within the central and western regions of Area A.

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 Historic Environment Records (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 Gwynedd Archaeological Trust (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).
- 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. 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 The HER documents the finding of a spindle whorl at Llanystumdwy in 2004 (PRN 43676).
- 4.1.11 A number of archaeological interventions are documented in the HER in relation to a pipeline replacement. This include a DBA (PRN 45075) (RSK 2010), a watching brief and excavation (PRNs 44689 and 44870) (Kenney 2012) and a geophysical survey (PRN 45310).
- 4.1.12 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.
- 4.1.13 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).
- 4.1.14 A geophysical survey as well as an archaeological evaluation was carried out by Wardell Armstrong in 2015 in Chwilog (PRNs 45081 and 75283) (Raiton 2015; McElligott 2015).
- 4.1.15 GAT produced two DBAs in relation to the lying of a waste water pipe at Afon Wen (PRNs 5477-78).
- 4.1.16 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 3-5)

- 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 4.3km 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 2.4km 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 Ychain 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 accommodation for several thousand people in chalets, caravans and log cabins.

4.3 Scheduled Ancient Monuments (Figure 6)

- 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 1.9km 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 7)

- 4.4.1 There are no listed buildings within the proposed development area, or within the search radius around the site.
- 4.4.2 Penychain farmhouse is a Grade II listed building located 1.07km 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.

4.5 Known Archaeological Remains and Historical Development (Figure 7-9; Appendix I)

- 4.5.1 There are no sites listed on the HER within the development area. 54 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 four 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 on 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 535m NNE of the proposed development area (Kenney 2013).
- 4.5.7 Three rectangular pits (PRN 34084-5) tentatively interpreted as burnt mound throughs were located 929 NE of the development area. These pits contained heat cracked stones and charcoal (Kenney 2013).
- 4.5.8 A possible burnt mound (PRN 31151) located 466m 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:
- 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 are two recorded sites of Roman date within the search area around the proposed development. One is a findspot (PRN 19627), located 786m NNE from the development area, interpreted as a spindle whorl.
- 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 835m W 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 two medieval townships (Pen-y-chain and Penarth – PRN 7344 and 7345), which may be identified with earthworks.
- 4.5.13 Two medieval mills (PRN 29075, 68503; NPRN 411545) have been recorded through desk-based studies on the western bank of the Afon Wen (Kenney 2004; RKS 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. In 2005, agricultural features of post-medieval date were revealed during an archaeological evaluation (PRN 31148) (Berks et al 2005); a post-medieval ditch 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 4566 and 74562) (Rees et al 2013); post-medieval drainage was located during a trenching evaluation at Brynbachan in 2005 (PRN 31152) (Berks et al 2005); a post-medieval hedgebank boundary was located during mitigation almost 500m north of the proposed development site (PRNs 37853 and 37854) (Kenney 2013); a ford was revealed during clearance activities (PRN 35033) (Berks et al 2007).
- 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); an industrial building (PRN 31125) (GAT 1996); 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 post-medieval road (PRN 19695) (Kenney 2004); a field boundary (PRN 19697) (Kenney 2004), and a railway (PRN 31542) (Parry 2012).
- 4.5.16 A number of structures of post-medieval chronologies are documented within the search area, including: a Calvinistic Methodist chapel dating to the 1850s (PRN 37852; NPRN 6684); a row of dwellings (PRNs 31123, 29706 and 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 and 31505 document Bultin'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 and cable car ride PRN 31539). 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 document the remains of the site of Afon Wen junction and the Cambrian railway platform (PRN 7249; NPRN 41469) (Parry et al 2012), and an old sewage plant located 587m 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) and a number of ditches and field boundaries recovered during archaeological works (PRNs 29703, 74564-5 and 68538-9).

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.

- 5.1.1 The development area falls within a large rectangular field (974) used for arable purposes. The field was, in 1839, owned by Lord Newborough, and was occupied by Owen Williams. 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 field 974.

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

- 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 1917-18 (1.2500) does not depict any changes from that of 1889.

5.3 *Bartholomew Half Inch 1897-1907*

- 5.3.1 The scale used for this map does not offer great detail. However, it is worth noting that the development area, as well as its surroundings are labelled as 'Golf Course'.

5.4 *OS map 1.25000 1937-61*

- 5.4.1 The development area, as well as land to the east is defined by a sewage farm. Moreover, the holiday camp appears depicted for the first time to the south and south west of the development area.

5.5 *Contemporary OS map*

- 5.5.1 The contemporary OS map evidences a rectangular structure (HYM001) located to the east of Area A, probably related to the sewage works. This feature was not located during the site visit.

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 3212-3 and 4218 (Plate 29-30)

- 6.1.2 These images document the area nowadays occupied by Hafan Y Môr at the time in which the area was occupied by HMS Glendower naval training base, in 1945. A built area is located immediately west from the development boundary Area A is not occupied, however, the sewage works located to the east of Area A are already depicted on this photograph. Furthermore, Area B appears to be occupied by a large enclosed rectangular space (HYM003). 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. No evidence of this structure was viewed during the site visit. Area A and B are already bounded to the west by the railway line.

7040 OS 70 006 IR 037 (Plate 31)

- 6.1.3 While this photograph is overexposed, it provides with some detail concerning the site and its surroundings. At this point, 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 structure documented in earlier photographs in Area B is no longer visible. However, this photograph displays a water course (stream?) that crosses Area A on a NE to SW axis, a feature already defined in LiDAR imagery (see below).

7259 OS 72 242 095 and 7444 OS74 163 511

- 6.1.4 No differences are observed between the aerial photographs taken in 1970, 1972 and 1974.

BKS 7820 2893050 (Plate 32)

- 6.1.5 This photograph offers views of Area A and B in 1978. While no substantial differences are observed in the surrounding area, Area A evidences three circular features (HYM002) already evidenced in LiDAR imagery (see below). These features are similar in size and shape to the tanks of the sewage works located to the east. However, while similar, there is no sufficient evidence to demonstrate that the features are akin in function and date to the tanks. No evidence of these features exists in contemporary OS maps.

6.2 Lidar (Figure 16-18)

- 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 a number of features within the development area. For the sake of clarity, the data has been classified into (1) possible archaeological features (red); (2) features of natural origin (green); and (3) modern features (blue).
- 6.2.3 Up to four features of possible archaeological origin (HYM002) can be seen on both DTM and DSM displays to the NW of Area A. The most defined feature is sub-circular and measures 14m x 11m. It is difficult to interpret the nature of this feature partly due to the resolution of the LiDAR data. However, during the site visit, it was noted that a raised area was present on this region of Area A. The other three features are small and difficult to define given the resolution of the data. A close view allows to define three main elevated areas which together they occupy an area of 24m in length and 11m in width. The most defined feature is located on SH 43621 36850, and can also be observed in aerial photographs. The nature of the feature is unknown although it cannot be discarded that the feature belongs to the sewage works located to the east of the field, or to HMS Glendower. The latter is centred on SH 43621 36850.
- 6.2.4 Two features of almost certain natural origin are identified crossing Area A on a NE to SW axis. Given the zig-zag nature of these features, they could be interpreted as the imprint of no longer existing streams.
- 6.2.5 A sub-circular path is depicted in both DTM and DSM views of the area and correspond to an existing path. The area to the east of the development is characterised by a man-made heap probably resulting from the dismantling of structures associated with the sewage works.

7 Site Visit (Plates 1- 28)

- 7.1 A site visit was undertaken on the 15th October 2018. Conditions were sunny and mild, 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 In order to allow a better understanding of the areas discussed below, the development area has been divided into two fields. Area A refers to the southern field and Area B to the northern field (see Figure 1). Furthermore, each field has been walked clockwise starting from the SE edge of the field and subsequently zig-zagged to inspect the centre of the field.

Area A – boundary areas

- 7.3 The first area examined was the southern edge of the field. The boundary is now marked with wooden reptile fencing. This region is nowadays defined by lawn that may have belonged to the bungalows located to immediately south of the development area. It is therefore assumed that a small degree of ground disturbance may have occurred during the landscaping of this area. However, it is thought that this may have not been sufficiently deep to disturb any archaeological remains that might be present in the area (Plate 1-3).
- 7.4 The lawn area was once bounded to the north by a line of pine trees and brambles. However, this the majority of this boundary has been dismantled, and still only present on the SE end of the field. Judging from aerial photographs, the line of trees forming the boundary were cut down prior 2006, however, the bramble appears to have been removed in recent times as evidence of it still lying in the area (Plate 4-5).
- 7.5 The eastern area of the development is bounded by a cut drain (stream?) and a line of trees which block the view to and from the development area. This area has, in recent times, been fenced off using wood reptile fencing posts. Furthermore, a c. 2m wide metalled surface has been constructed adjacent to the fence line. No archaeological finds or features were evidence during the inspection of this area of the field (Plate 6-7).
- 7.6 The eastern area of the development is bounded to the E by a bush. Parts of the latter have recently been removed (Plate 8-9).
- 7.7 Similarly to the eastern area of the field, the northern edge is defined by a cut drain and a line of trees. In this area, the wooden fence is located more than 10m away from the boundary of the field. In this area, a number of large stone blocks and concrete has been identified, possibly relating to the sewage works located – according to current OS maps – to the NE of the field (Plate 10).

Area A – centre of field

- 7.8 Both the DTM and DSM LiDAR view of the field denotes the presence of to linear features (of probable natural origin). These features are not observed on the ground as can be evidenced in Plate 11, 12 and 14. Failure to view such features might correspond to the overgrown grasses and cut bramble dominating this area.
- 7.9 The large positive feature evidenced in LiDAR imagery immediately outside the eastern boundary of the development area can be seen in Plate 13. The removal of trees in this area highlights the nature of this feature, probably man-made during the removal of structures relating to the sewage works. Works in this area also emphasise that natural deposits of gravels are deposited in this area resulting from coastal action.

- 7.10 Two areas of gently raised ground are visible on the ground toward the centre of the development. Given the location of the field and the presence of previous ground disturbance associated with sewage works, it is difficult to define these features as archaeological/natural in origin. Moreover, these features were difficult to document in photographs though they are well represented in LiDAR imagery (Plate 14-16).

Area A – views towards assets

- 7.11 Plate 17 demonstrates that, the line of trees and bramble defining the E and NE boundary of the field 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 E from the development, however they will not be visually affected by the development given the existing vegetation demarcating the boundaries of the field.
- 7.13 Likewise, no views exist from Area A to any assets located to the NE of the site. Most of them (HER 74562-6; 31151 and 68538) 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.

Area B – boundary area and centre of field

- 7.14 Area B occupies half of a large field located immediately north of Area A. Area A and B are separated by a stream and by a dense line of trees. The entrance to the field is located to the SE end of the field. In this area, the boundary of the field is defined by low bushes, therefore allowing views of the site from outside the development area (Plate 19).
- 7.15 As already noted, the southern boundary of the field is defined by a line of trees and a stream. The former blocks views to Area A. No cropmarks or any archaeological features were observed during the inspection of the SE end of the field. The latter is characterised by unimproved grassland (Plate 20-21).
- 7.16 Plate 22 and 23 are views toward the centre of the development. These images define the nature of the ground and evidence no views north of Area B. No archaeological finds or features were observed during the inspection of this area.
- 7.17 Plate 24 demonstrates a slight topographical change with the area raising toward the south of Area B. This change is not observable in aerial photographs or LiDAR imagery.
- 7.18 Plates 25 – 28 show no evidence of archaeological features on the ground. It also demonstrates that existing line of trees that block any views from and to Area B.

Area B – views towards assets

- 7.19 The majority of undesignated assets located to the north and northeast of Area B correspond to data gathered during the examination of written and cartographic sources. These include PRNs 68503, 31125, 31124, 71178, 29704 and 29705. The location of these assets is inhibited by the topography of the area and the dense vegetation making up the northern boundary of Area B. A similar situation is portrayed with PRNs 29706, 31123, 19627, 34083, 37853 and 37852 (see Plate 23).
- 7.20 Equally the majority of assets located to the west and northwest of the development correspond to features revealed during archaeological works. These include PRNs 68538,

31151, 7461-7. The location of these assets is not visible from Area B due to the line of trees and bracken defining the western boundary of the field. Despite the proximity of the railway line (PRN 68477) to the field, the former is not visible either (see Plate 22).

- 7.21 No visibility exists from Area B to any PRN located to the south of the development. Again, this is due to the existing vegetation demarcating the boundary between Area A and B (see Plate 21).

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. However, it is significant to note that post-medieval and modern activity in both Area A and B (see below) has been documented in aerial photographs and LiDAR imagery, therefore, noting that a great percentage of the development may have been previously impacted.
- 8.1.2 No previously recorded archaeological sites have been identified within the proposed development area.
- 8.1.3 This study has identified three potential archaeological sites within the boundary area. HYM 001 is located to the east of Area A and it is probably related to the adjacent sewage works. HYM 001 may be considered of Low/Negligible archaeological value.
- 8.1.4 HYM 002 refers to up to four circular features revealed during the observation of LiDAR and aerial photography. Given the resolution of the images, it was almost impossible to try determining the function/date of these features. Should they be related to the sewage works, they would be of Low/Negligible. However, a different function/date cannot altogether be discarded.
- 8.1.5 HYM 003 refers to a large rectangular enclosed area observed in Area B 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 but it is assumed that it belongs to the HMS Glendower naval base. The latter is documented on the HER and it forms part of Bultin's Camp Landmap Historic Landscape (GWDDHL015). HYM 003 MAY therefore be considered of Medium to Low archaeological value.

8.2 Previous Impacts

- 8.2.1 An examination of aerial photographs and cartographic sources demonstrate that a large rectangular enclosure existed in Area A probably relating to the sewage works. Similarly, a large enclosed area appears in photographs dating to 1945 in Area B, possibly relating to the naval base. Beside the areas aforementioned, previous impacts on the rest of the development area would therefore appear to be minimal, suggesting good preservation of the potential archaeological resource.

8.3 Potential Impacts of the Proposed Development

8.3.1 The plot will be the sitting of caravans, and will include the laying out of roads to service the caravans. Figure 1 notes that groundworks will be contained within the central and western regions of Area A. 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 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 in Area A of the proposed development. However, it is worth noting that ground disturbing works will be located within the central and western regions of Area A, 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 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 No non-designated archaeological sites will be directly or indirectly affected by the proposed development. There is no non-designated archaeological site within the proposed development area.

9 Conclusions

9.1 *Impacts on Designated Assets*

- 9.1.1 No 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 No previously recorded archaeological sites lie within the proposed development area, but five new sites have been identified during the course of the assessment. HYM 001-3 are confined to areas dedicated to landscaping works. Should these works proceed using filling rather than cutting methods, the new sites would not be directly or indirectly affected by the proposed development.
- 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 -HYM 001-3 – remain unaffected by the proposed development, it is recommended that landscape works proceed using a fill rather than cut method.
- 9.3.2 According to existing plans, groundworks are confined to the SW area of the proposed development. A study of the known archaeological remains existing in the adjacent area highlights the potential that undisturbed regions have to reveal archaeological remains of possible prehistoric origin. It is therefore recommended that a Watching Brief archaeologist monitors all groundworks associated with the development.

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Online resources

British Geological Survey 2018 *Geology of Britain Viewer* - (accessed 10/10/18)

Maps

Tithe map of the Parish of Llanarmon, Carnarvonshire 1839.

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**



- KEY**
- PROPOSED DEVELOPMENT AREA
 - EXISTING PLANTING/TREES
 - PROPOSED PLANTING/TREES
 - PROPOSED 'BEST' UNITS (44x14ft) 19 NO.

- BEST UNITS:**
1. DEVELOPMENT BASED ON 10 UNITS PER ACRE.
 2. MIN 6m SPACING.
 3. 2 NO. PARKING SPACES (TOTAL LENGTH 3.5m X 11m):-
SPACE 1 BLACK TARMAC WITH BLOCK EDGING (3.5m X 6m)
SPACE 2 RESIN BOUND (3.5m X 5m).
 4. FOOTPATHS TO BE BLACK TARMAC WITH BLOCK EDGING 1.2m WIDE WITH EXTRA SPACE FOR STEPS.
 5. LANDSCAPING: HIGHER COST AT ENTRANCE TO ZONES AND INTEGRAL TO UNITS.

REV	DESCRIPTION	DATE	INITIAL

Bratherton
 PARK DESIGN CONSULTANTS
 Waverton House • Bell Meadow Business Park
 Pulford • Chester • CH4 9EP
 T. 01244 853 000 • F. 01244 570 054
 E. parkdesign@bratherton.co.uk W. www.bratherton.co.uk

HAFAN-Y-MOR HOLIDAY PARK
 PROPOSED DEVELOPMENT 2018/19

GENERAL
 ARRANGEMENT



Figure 1. Proposed development plans.

DATE • 27/06/18	SCALE • 1:500 @ A1
DRAWN • JG/LD	CHECKED • REV • JOB • 1087/41/3

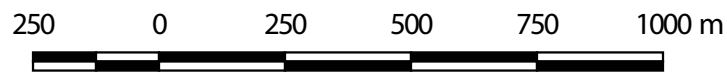
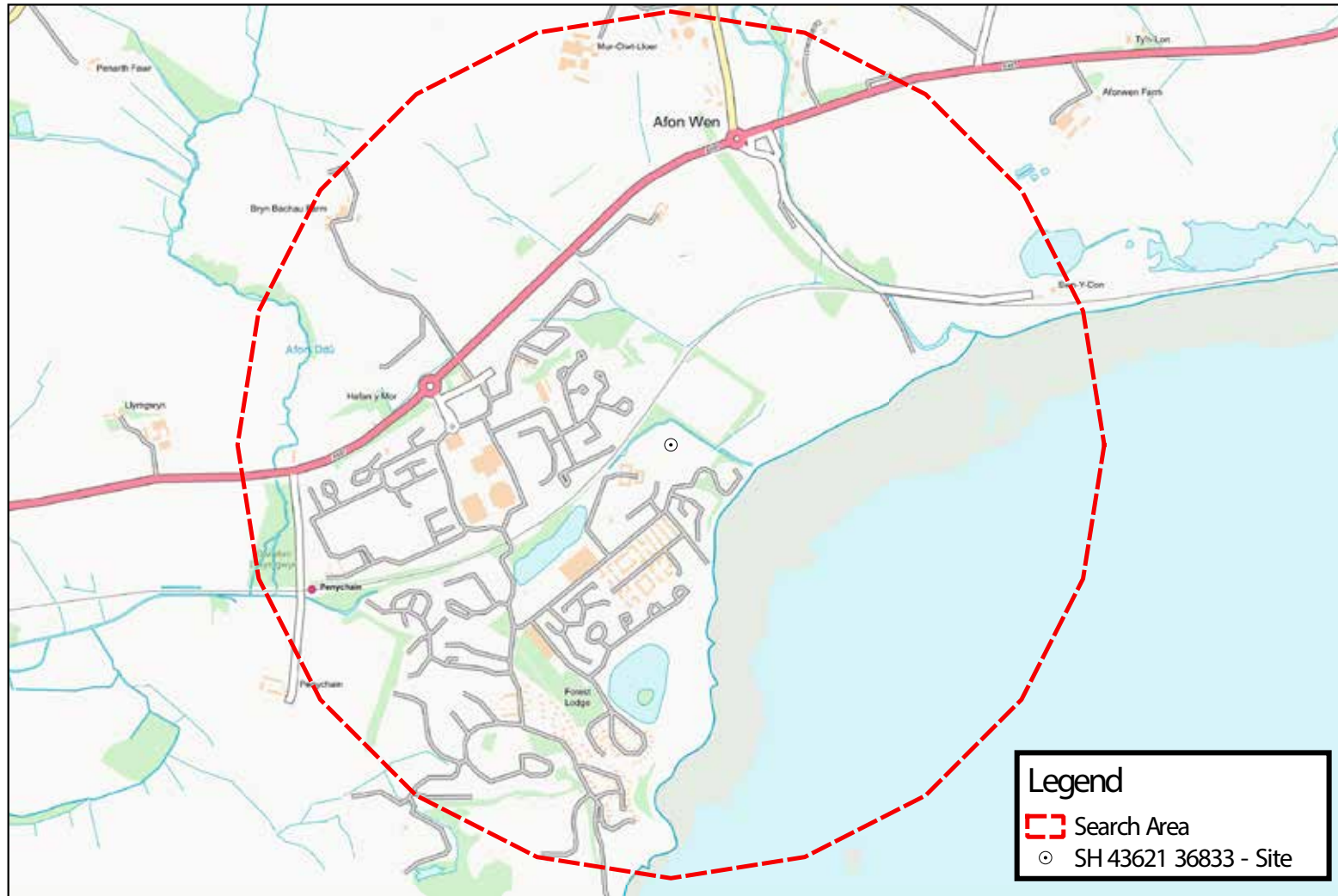


Figure 2. Study area (marked in red).

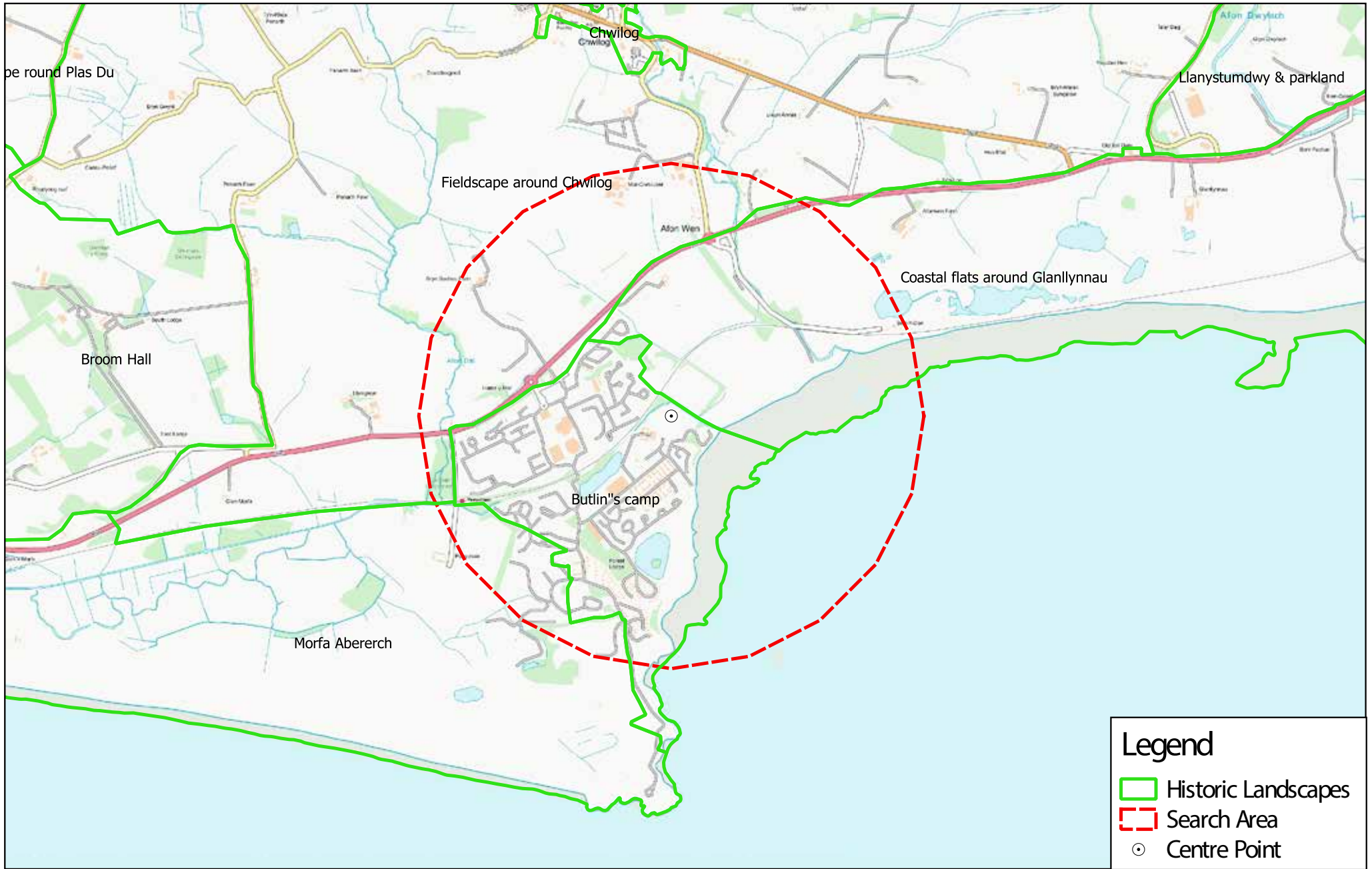


Figure 3. Landmap Historic Landscapes within study area.

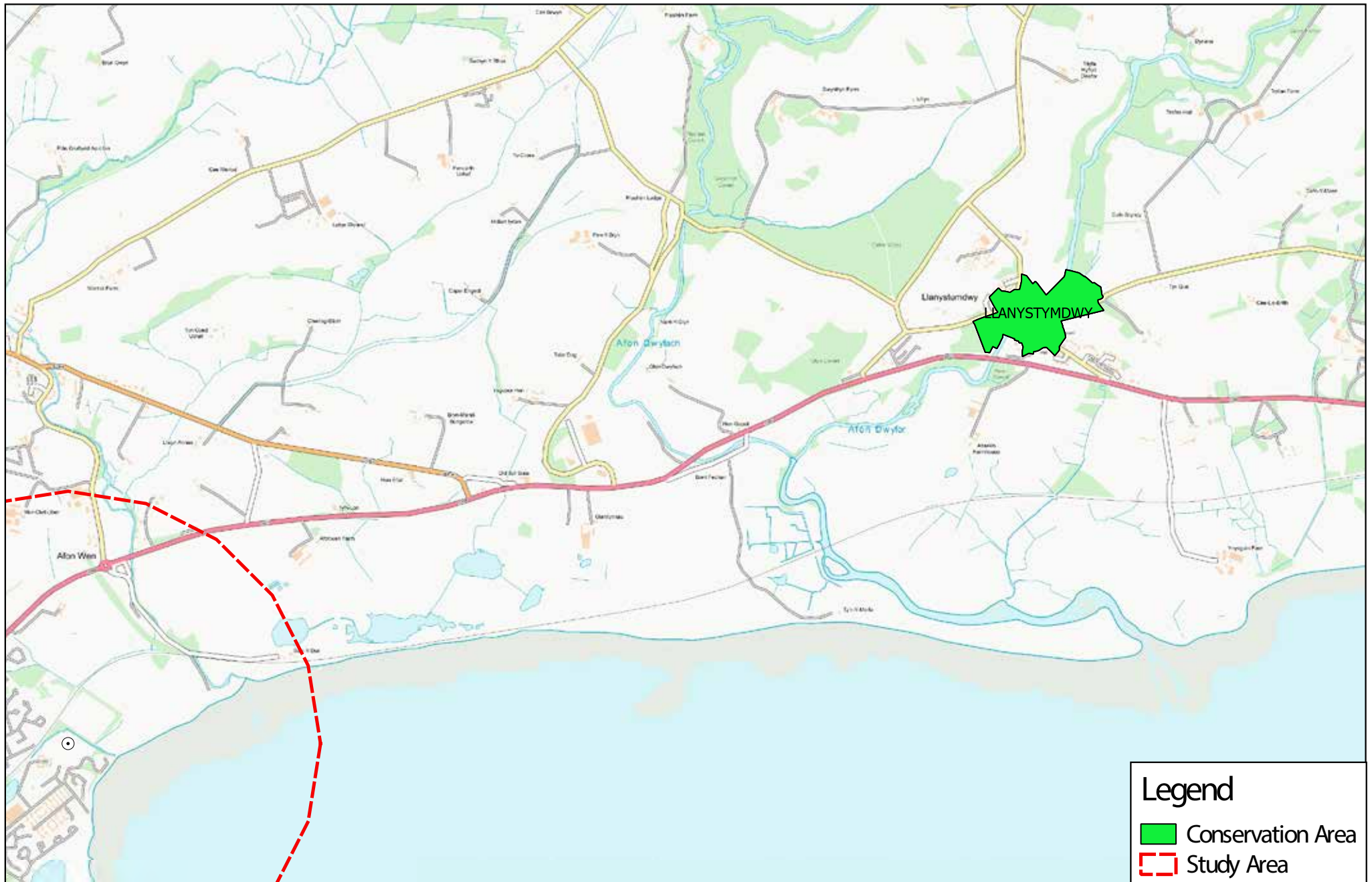


Figure 4. Conservation Area.

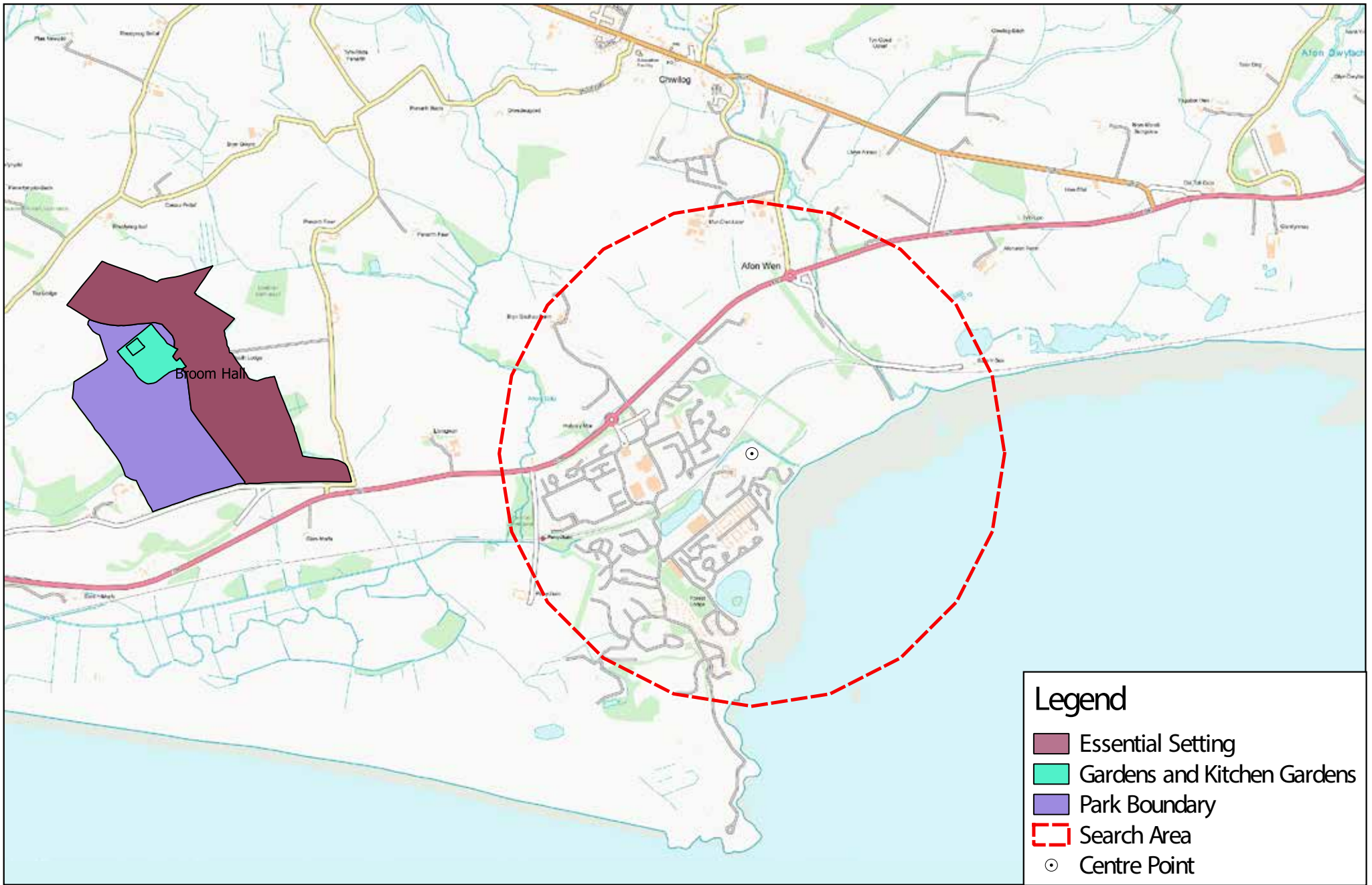


Figure 5. Parks and Gardens.

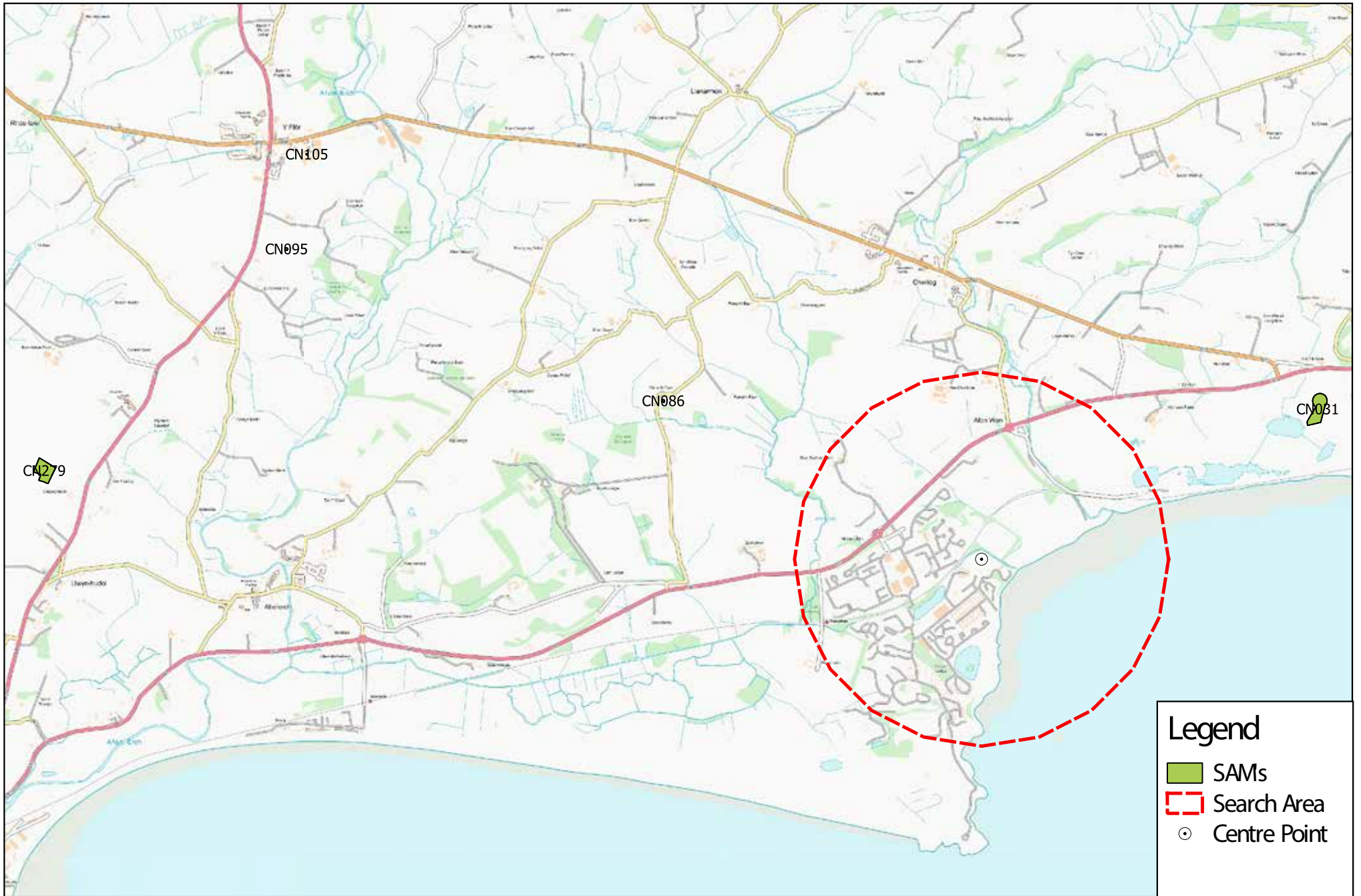


Figure 6. SAM's close to study area.

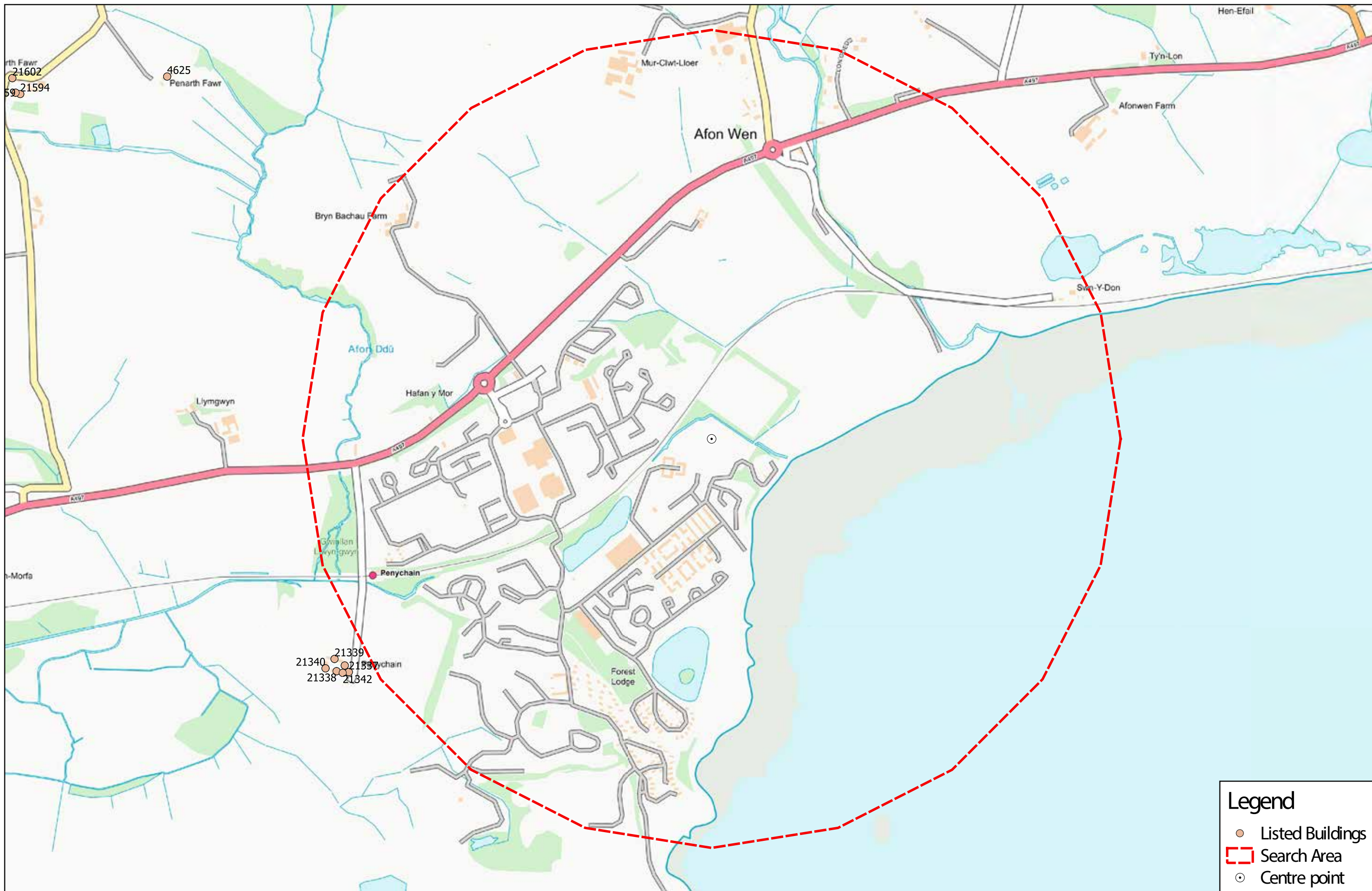
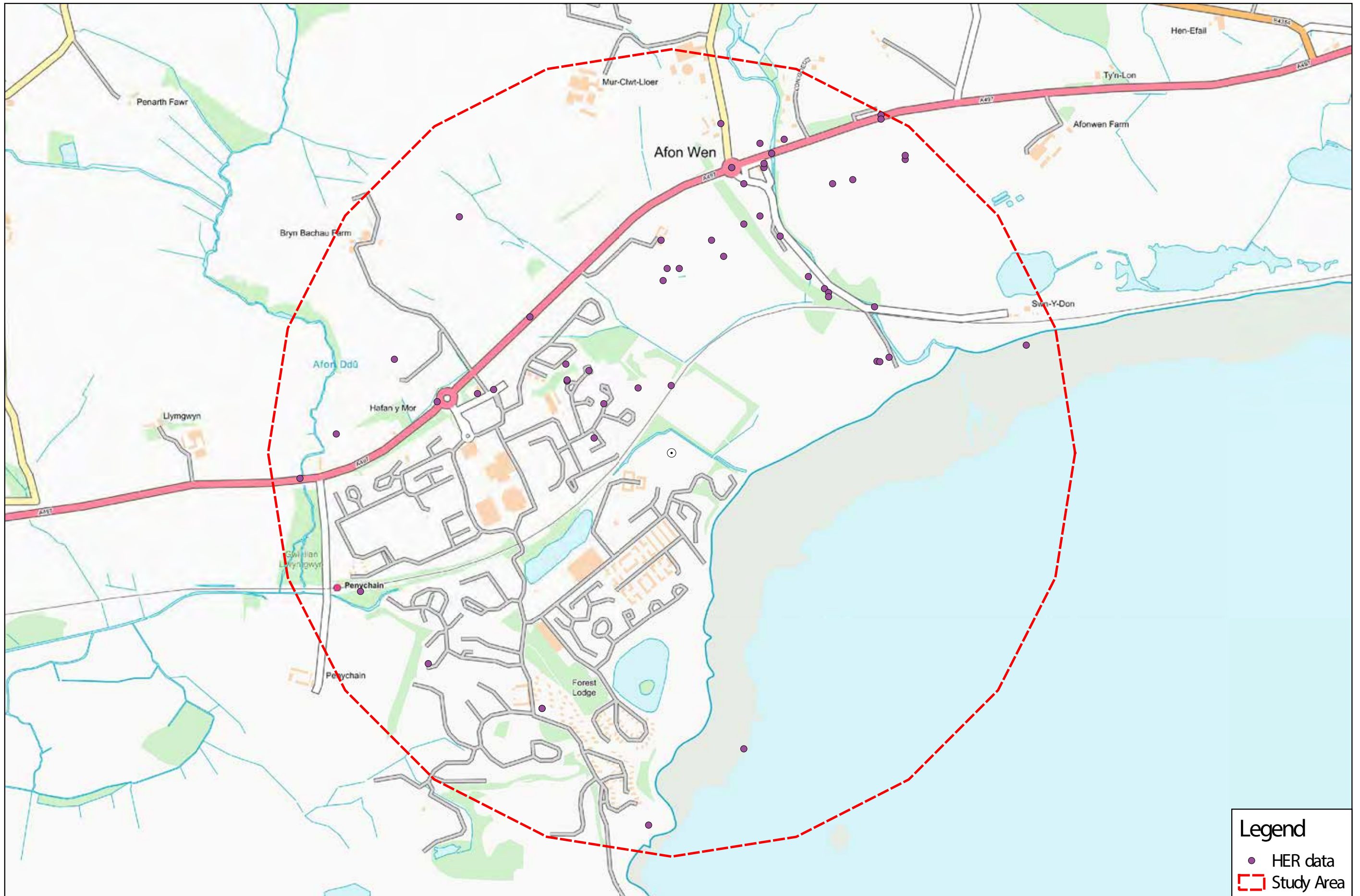


Figure 7. Listed Buildings adjacent to search area.



Legend

- HER data
- ▭ Study Area

Figure 8. HER data within 1km buffer of SH43374336

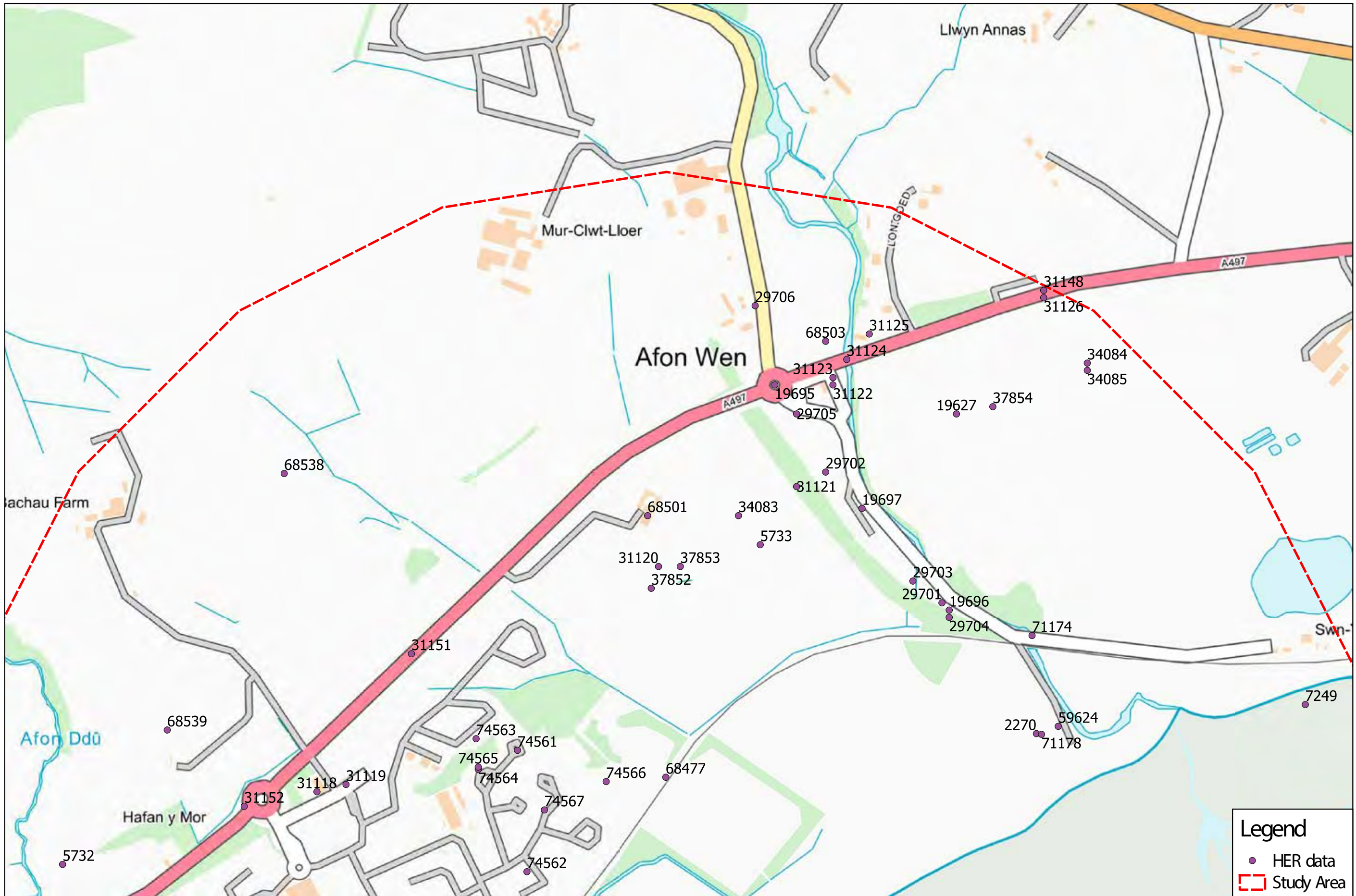


Figure 9. HER data within 1km buffer of SH43374336 (north)

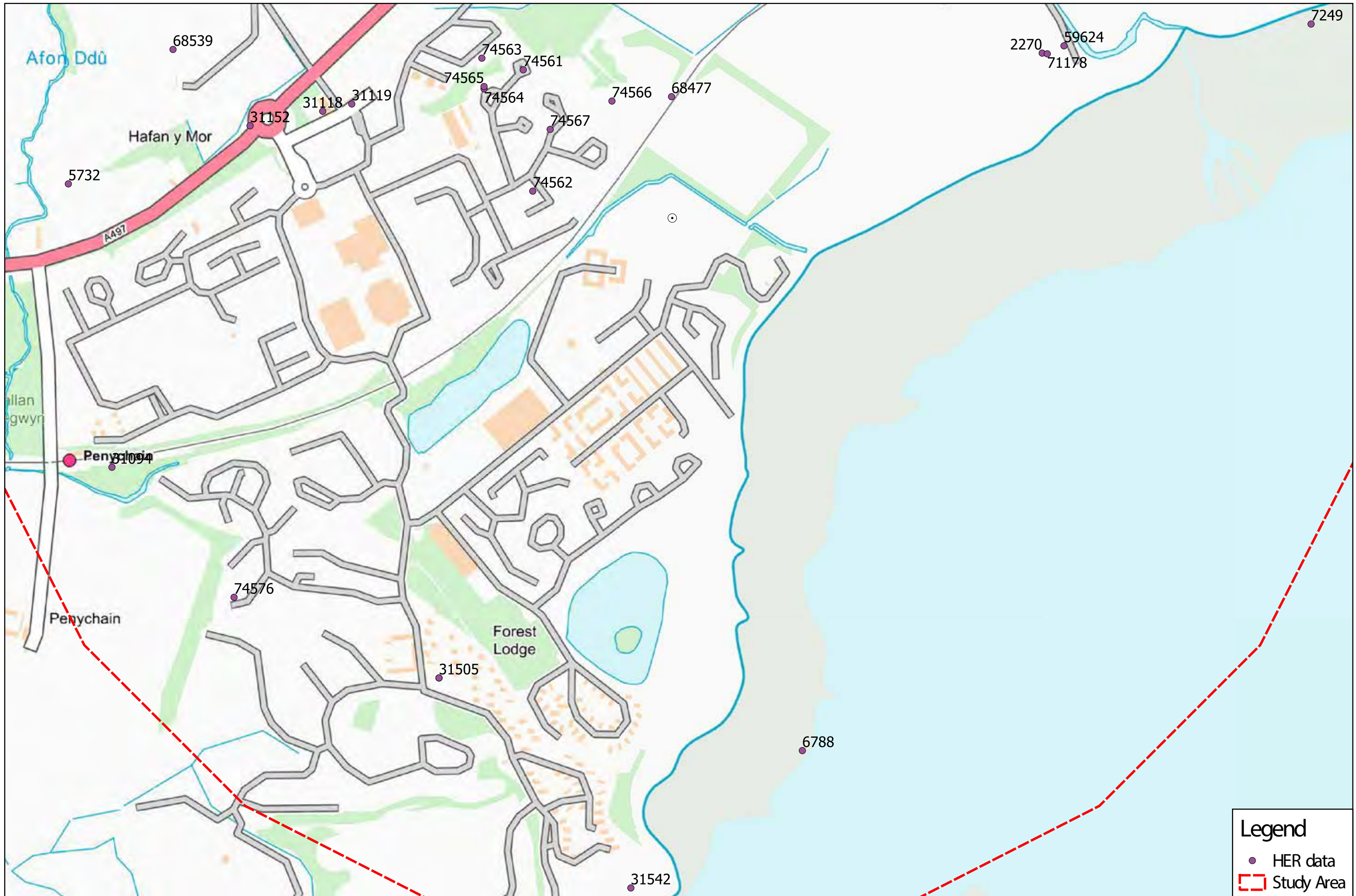


Figure 10. HER data within 1km buffer of SH43374336 (south)

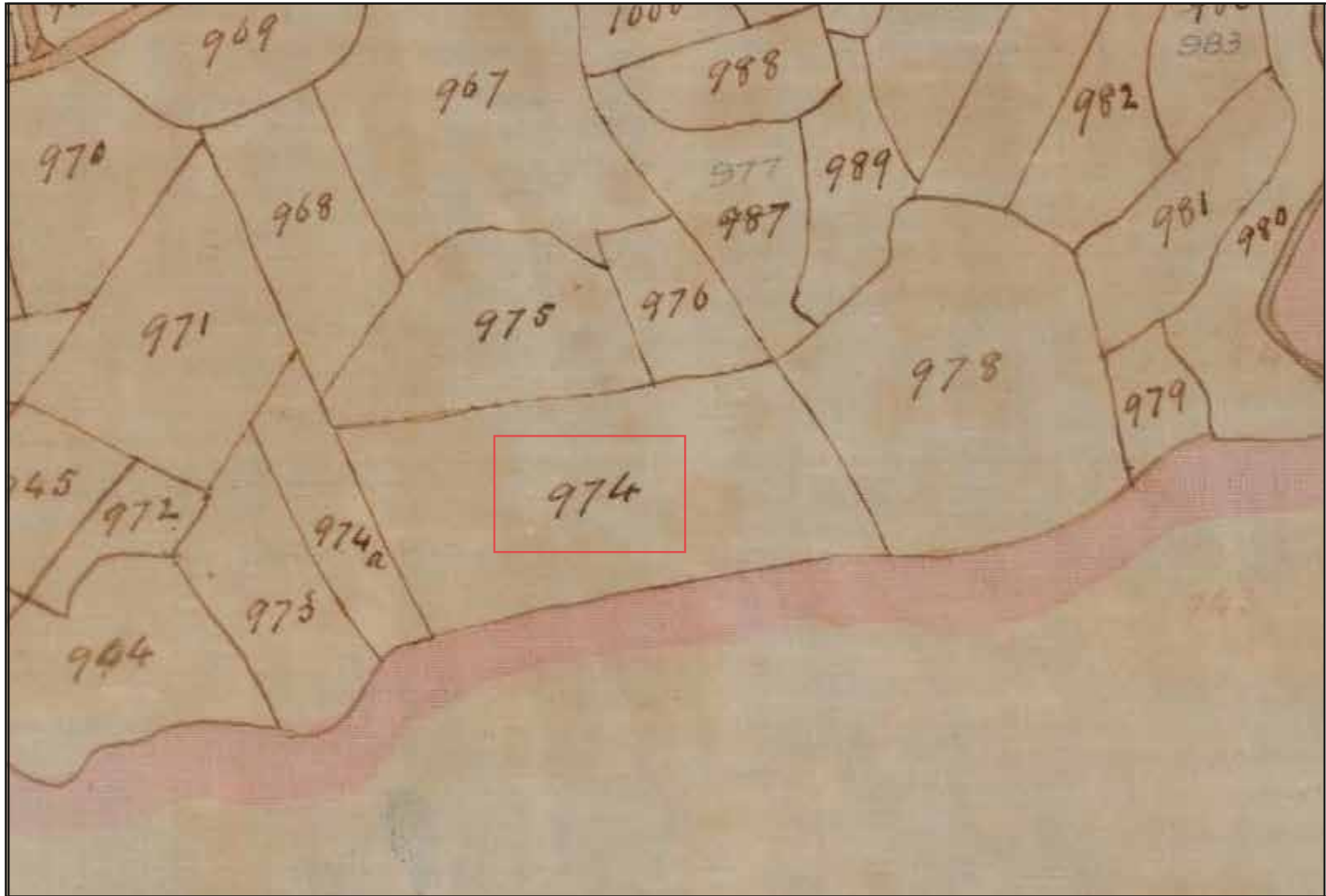
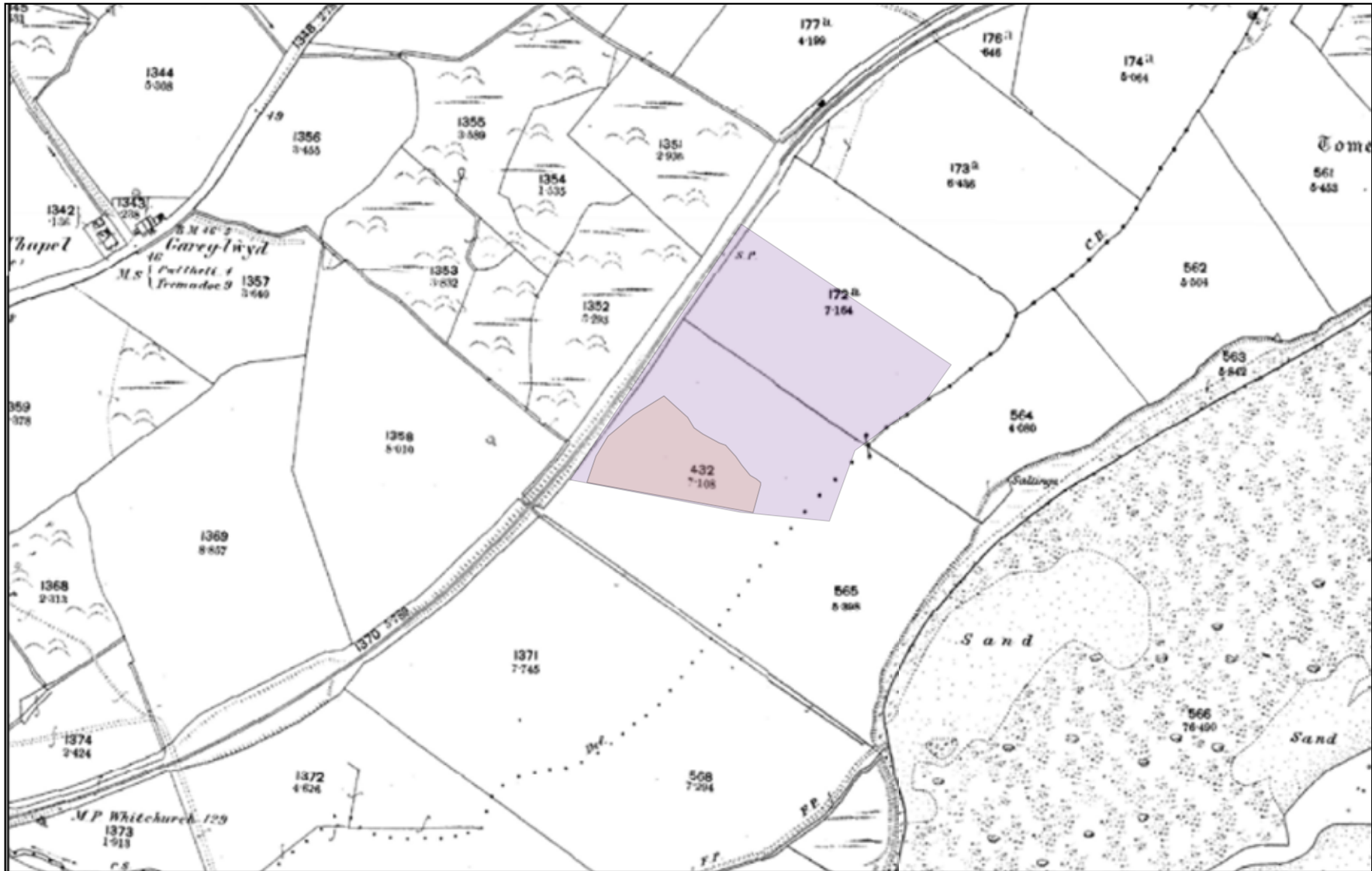


Figure 11. Tithe map of the Parish of Llanarmon, Carnavonshire 1839.



100 0 100 m

Figure 12. OS County Series 1889 Caernarvonshire 1:2500.

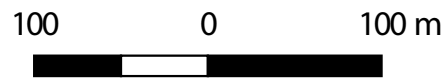
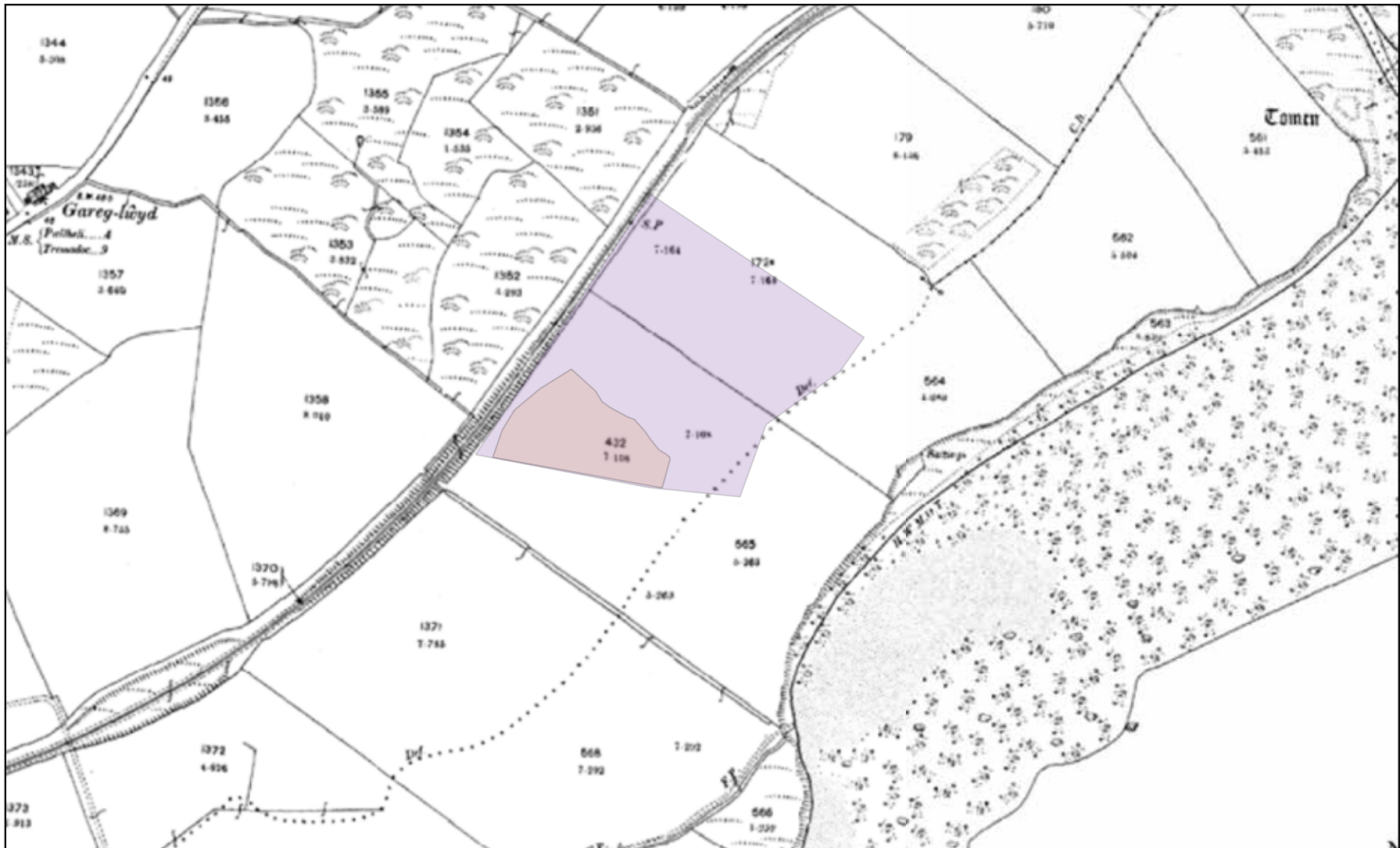


Figure 13. OS County Series 1900 Caernarvonshire 1:2500.

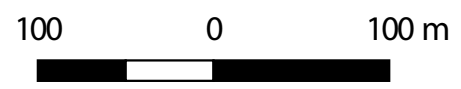
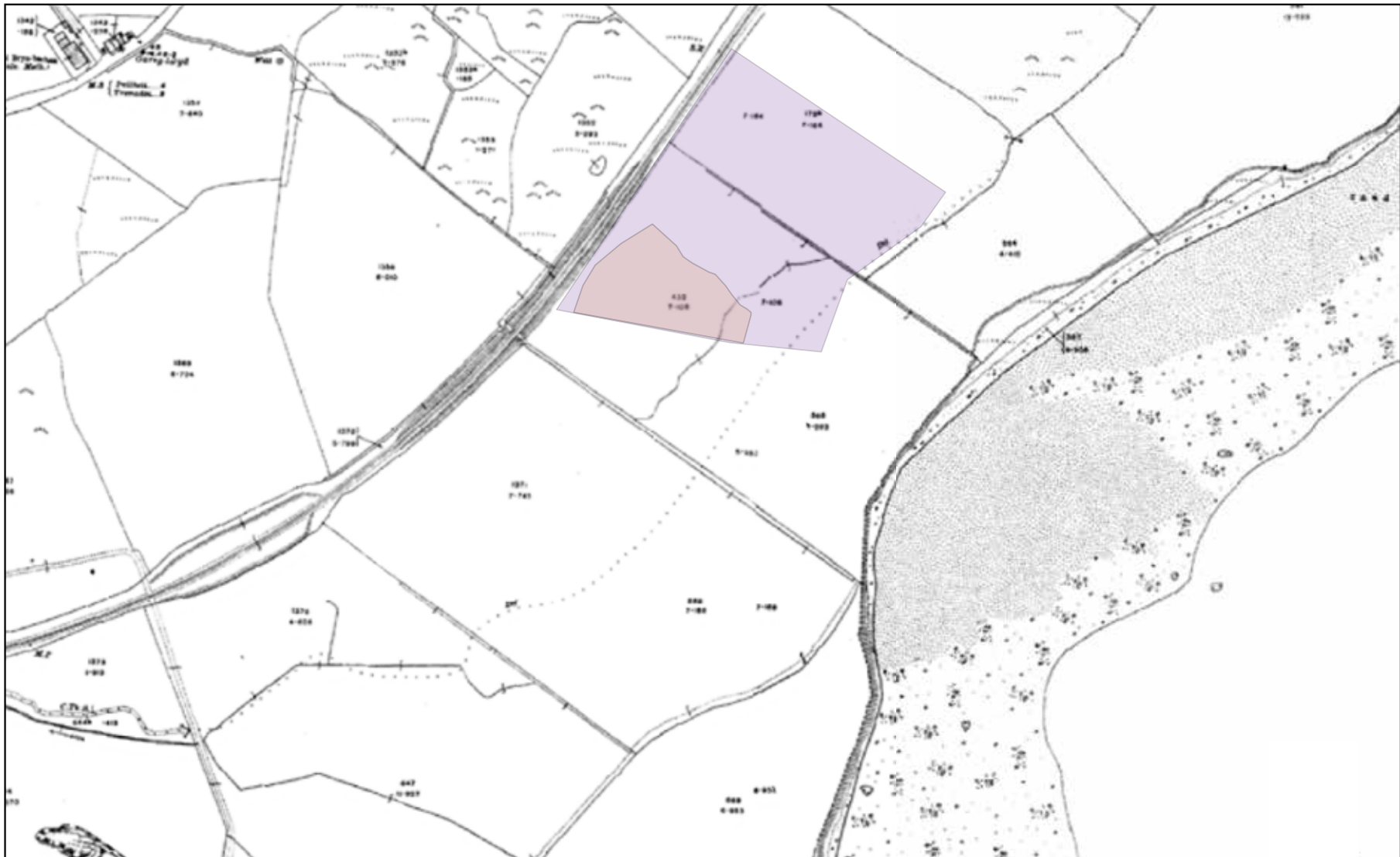


Figure 14 OS County Series 1917-18 Caernarvonshire 1:2500.

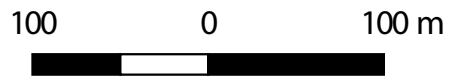
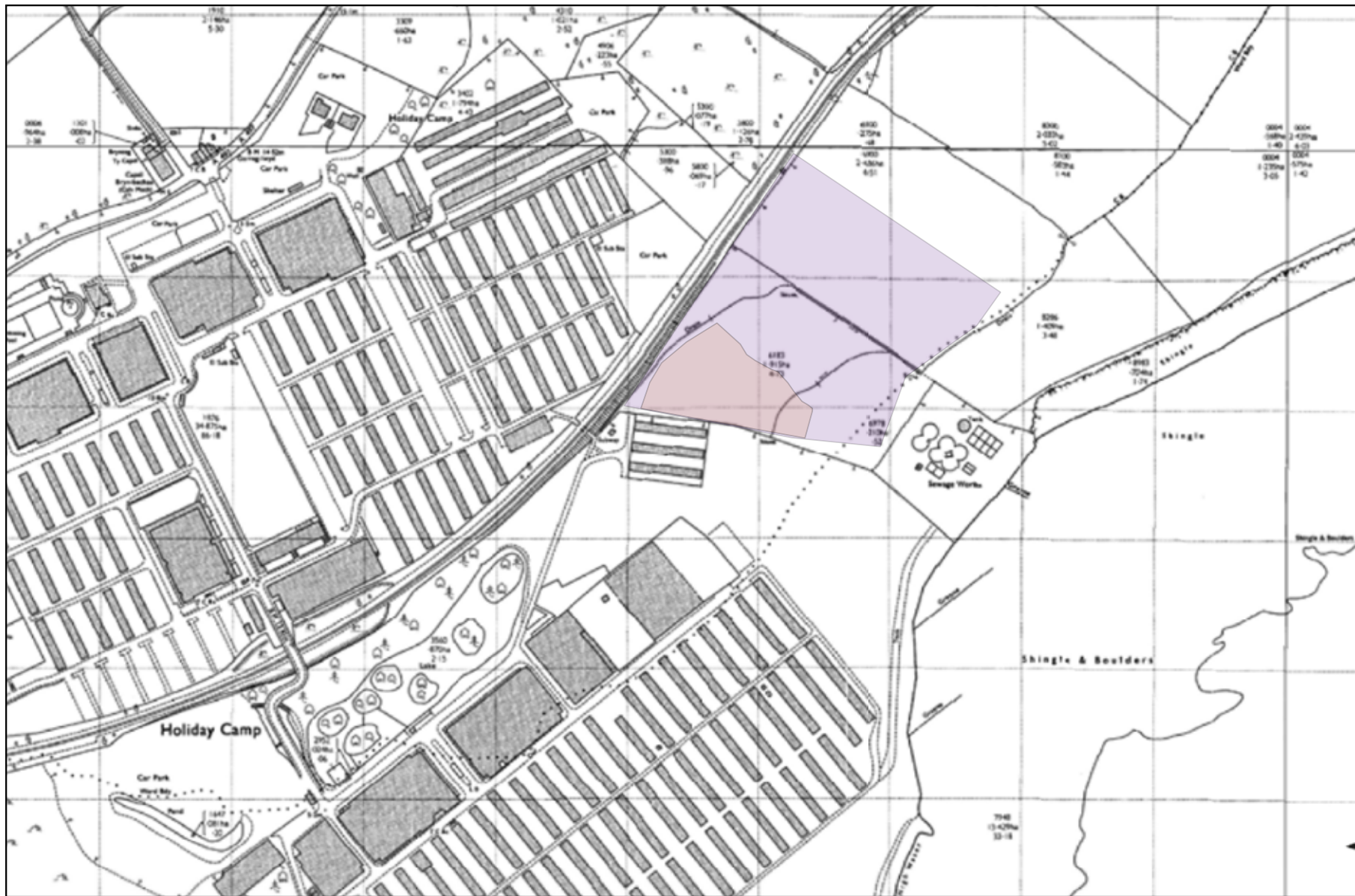
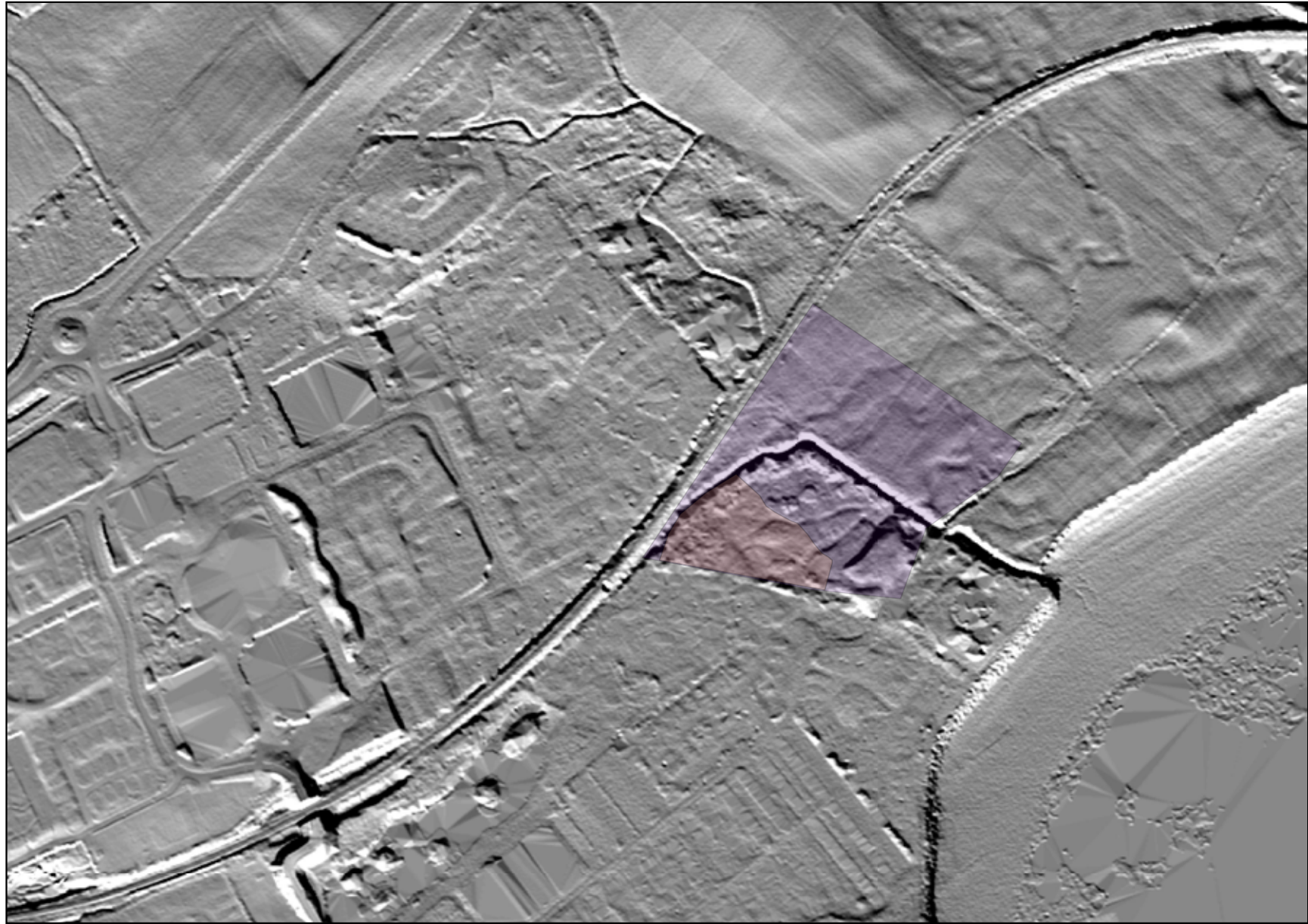


Figure 15. OS 1978 Caernarvonshire 1.2500.



Figure 16. LiDAR 1m DSM, Hillshade.



75 0 75 150 m

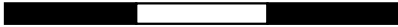
A horizontal scale bar with four segments. The first segment is black and labeled '75'. The second segment is white and labeled '0'. The third segment is black and labeled '75'. The fourth segment is black and labeled '150 m'.

Figure 17. LiDAR 1m DTM, Hillshade.

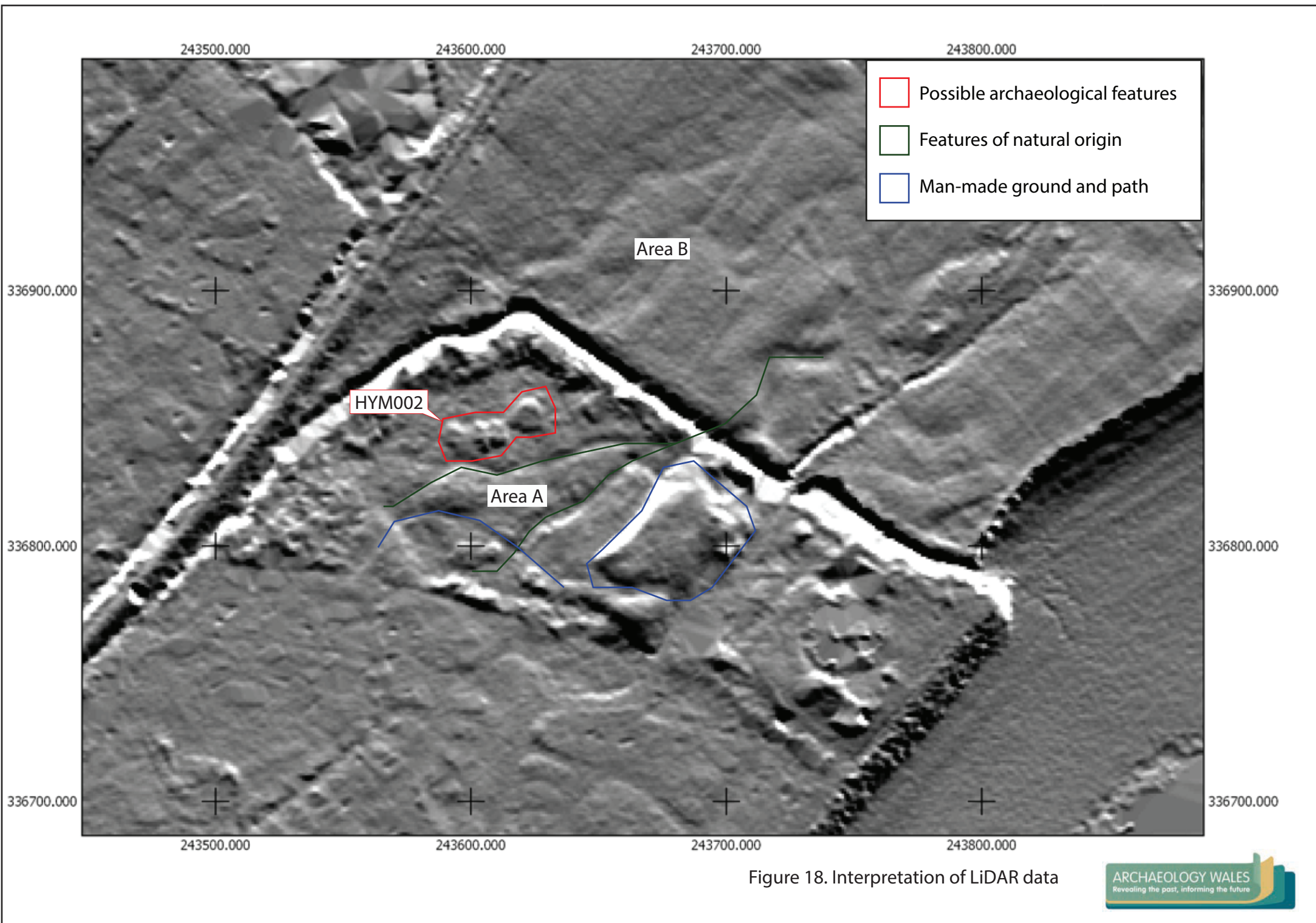


Figure 18. Interpretation of LiDAR data

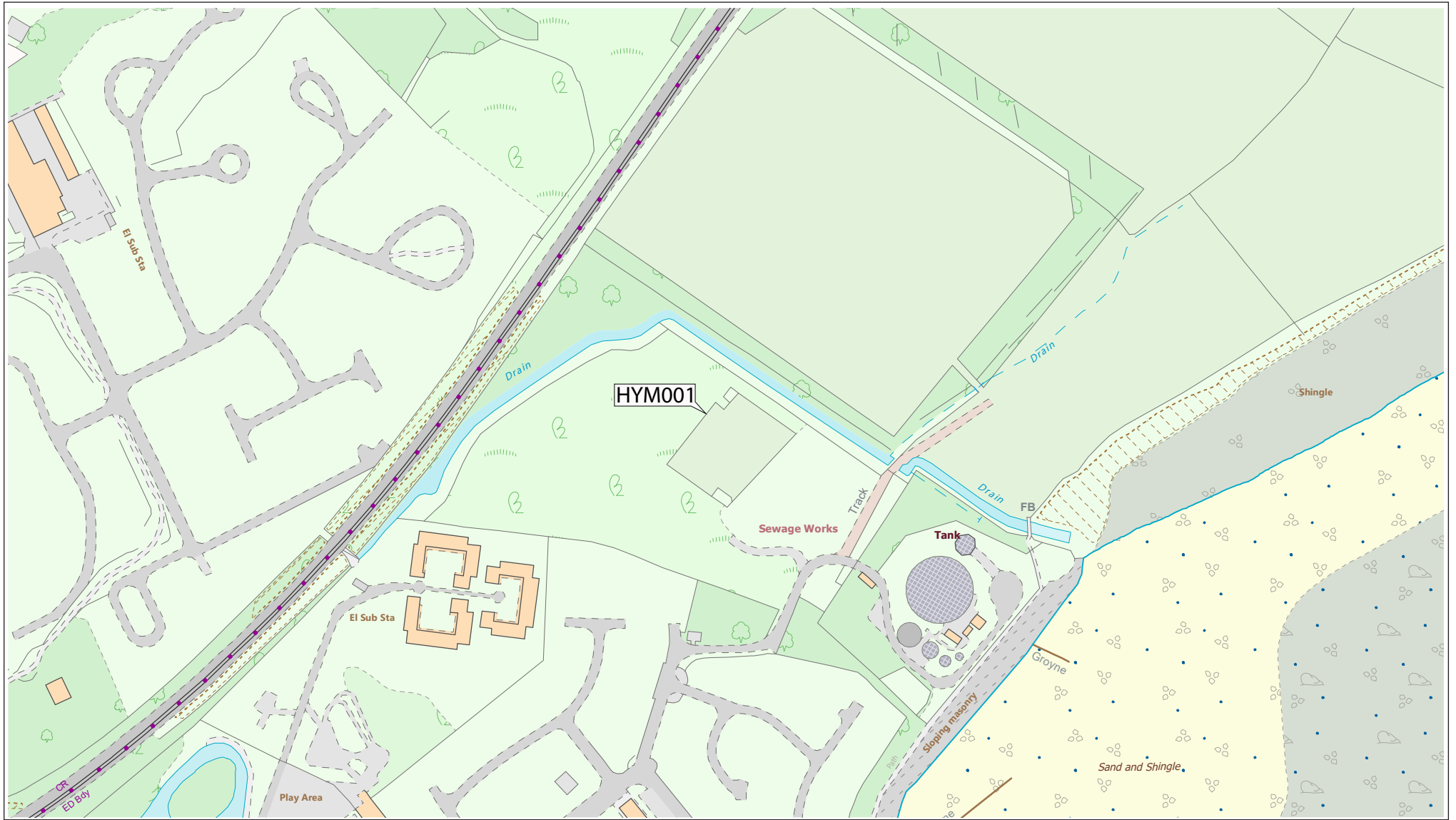


Figure 19. Contemporary OS map

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Wales

APPENDIX II:
Plates



Plate 1. Area A, looking into the field from SE edge of development.



Plate 2. Area of lawn located at the S edge of Area A. Looking W.



Plate 3. Area of lawn located at the S edge of Area A. Looking E.



Plate 4. Area A, southern area of field noting presence of bramble. Looking W.



Plate 5. Area A, southern area of field noting presence of bramble. Looking E.



Plate 6. Eastern boundary of Area A, looking NNE.



Plate 7. Wooden fence and metalled surface, Area A, eastern boundary, looking NNE.



Plate 8. Area of bushes located to the eastern end of Area A, looking NE.



Plate 9. Area of bushes located to the eastern end of Area A, looking SE.



Plate 10. Northern boundary of Area A, showing evidence of deturfing and large slabs possibly associated with sewage works. Looking N.



Plate 11. Area A, overgrown grasses at toward centre of the field, looking SW.



Plate 12. Area A, overgrown grasses at toward centre of the field, looking SW.



Plate 13. Raised ground located immediately outside the eastern end of Area A. Looking ESE.



Plate 14. Area A, cut bramble toward centre of the field, looking SE.



Plate 15. View of centre of field from northern boundary, looking SE.



Plate 16. View of Area A from northern region of field, looking S.



Plate 17. View of Area A from centre of site, looking NW.



Plate 18. Views toward assets located E and NE of Area A.



Plate 19. View of Area B from entrance, looking SW.



Plate 20. View of Area B towards SW end of field.



Plate 21. View of Area B towards SE end of field, close-up.



Plate 22. View toward the centre of development, looking NW.



Plate 23. View toward the centre of the development, looking N.



Plate 24. View of site close to southern boundary, looking W.



Plate 25. View of Area B , looking NW.



Plate 26. View of western boundary from Area B, looking W.



Plate 27. View of western boundary, looking WNW.



Plate 28. View of western boundary, looking NW.



Plate 29. RAF 4535 106GUK_664 3212 detail



Plate 30. RAF 4535 106GUK_664 3213



Plate 31. 7040 OS 70_006 IR 037 detail



Plate 32. BKS 7820 2893050 detail

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APPENDIX III: HER Data

GWYNEDD ARCHAEOLOGICAL TRUST

HISTORIC ENVIRONMENT RECORD

ENQUIRY REPORT - CORE RECORDS

Enquiry reference number: GATHER1008

Prepared by: Derby, S., Gwynedd Archaeological Trust

Produced for: Cassandra Davies, Archaeology Wales

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Search Criteria:

1km Search Radius around SH4362136833

PRN 19627

NAME Spindle Whorl, Findspot, Llanystumdwy

NGR SH44023750

COMMUNITY Llanystumdwy

PERIOD AND TYPE Roman, FINDSPOT, Sitetype ranking: 1

SUMMARY

DESCRIPTION

EVIDENCE FIND

CONDITION INFORMATION

CONDITION: Not Applicable CONDITION RATING: Not Recorded DESCRIPTION: RELATED EVENT PRN: 43676
YEAR: 2005

STATUS None Recorded

ASSOCIATED EVENTS

GAT43676 Metal Detecting at Llanystumdwy 2004

GAT45076 Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog. Archaeological Desk Based Assessment

and Field Reconnaissance Survey. 2010

ASSOCIATED ARTEFACTS

FIND: 1 Lead Alloy Spindle Whorl COLLECTION: None recorded DESCRIPTION: With Finder

SOURCES

Desc. Text: Steele, N. 2005, PRN 19627 Spindle Whorl, Llanystumdwy, , , , Digital FI File PRN 19627
Digital Photograph: Steele, N. 2005, PRN 19627 Spindle Whorl, Llanystumdwy, , , , HER Digital Images PRN 19627

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

, ,

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 area 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

GAT40674 Afon Wen Wastewater Treatment Scheme, Chwilog: Watching Brief 2005
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: Berks, T. & Roberts, J. 2005, Afon Wen Waste Water Treatment Works, Chwilog: Watching Brief, , , , GAT Report No. 610
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 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

GAT40674 Afon Wen Wastewater Treatment Scheme, Chwilog: Watching Brief 2005
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: Berks, T. & Roberts, J. 2005, Afon Wen Waste Water Treatment Works, Chwilog: Watching Brief, , , , GAT Report No. 610

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 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

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

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

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

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

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

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 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

, ,

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

, ,

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

GAT45048 Medieval and Post-Medieval Mills. Scheduling Enhancement 2011-12. Part 01: Report and Gazetteer. 2012

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

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 29706

NAME Small Building, Tyddyn Mawr, Afon Wen, Chwilog

NGR SH4374337649

COMMUNITY Llanystumdwy

PERIOD AND TYPE POST-MEDIEVAL, BUILDING, Sitetype ranking: 1

SUMMARY

DESCRIPTION A small building of probably 18th century date. Not directly impacted by the pipe trench, which runs along the road edge immediately to its east. (Kenney 2004)

EVIDENCE

CONDITION INFORMATION

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

STATUS None Recorded

ASSOCIATED EVENTS

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

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, 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 31094

NAME Penychain Railway Station, Morfa Abererch

NGR SH42853649

COMMUNITY Llannor

PERIOD AND TYPE POST-MEDIEVAL, RAILWAY STATION, 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

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

GAT40168 A497 Abererch to Llanystumdwy Road Improvements 1993

GAT40381 A497 Abererch to Llanystumdwy Road Improvements 1996

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

GAT44082 A497 Improvement Pipeline Diversions Archaeology & Heritage 2004

GAT44083 A497 Improvement Pipeline Diversions Archaeology & Heritage 2005

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: 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

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

- GAT40168 A497 Abererch to Llanystumdwy Road Improvements 1993
- GAT40381 A497 Abererch to Llanystumdwy Road Improvements 1996
- GAT40572 Archaeological Excavation and Recording During the A497 Road Improvement Scheme, Gwynedd 2007
- 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: 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: 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, Sitype 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

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

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: 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., , ,

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 31125

NAME Melin Ffridd Lwyd, Llanystumdwy

NGR SH43903761

COMMUNITY Llanystumdwy

PERIOD AND TYPE POST-MEDIEVAL, INDUSTRIAL BUILDING, Sitetype ranking: 1

SUMMARY

DESCRIPTION Afonwen Services, formerly Afonwen Steam Laundry, consisting of modern flat-roofed industrial buildings grouped around a nineteenth century industrial building, probably a woollen mill. (GAT, 1996) Labelled 'Melin-Ffridd-lwyd (Corn)' on 1st ed and 2nd ed and 'Melin-Ffridd-lwyd (Disused)' on 3rd ed OS maps. Not labelled on Mastermap. Appears to be leat and possible pond on the early maps. Mastermap and Seamless Aerial Photographs shows the area is now more built up than it was on the early maps. Possible pond area is now partly built over. Google Earth 2009 - some of the buildings seem to have been demolished. (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

GAT40381 A497 Abererch to Llanystumdwy Road Improvements 1996

GAT44082 A497 Improvement Pipeline Diversions Archaeology & Heritage 2004

GAT44083 A497 Improvement Pipeline Diversions Archaeology & Heritage 2005

GAT45048 Medieval and Post-Medieval Mills. Scheduling Enhancement 2011-12. Part 01: Report and Gazetteer. 2012

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

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 31126

NAME Circular Hollow, South of Tanyrallt

NGR SH44143766

COMMUNITY Llanystumdwy

PERIOD AND TYPE Not Applicable, NATURAL FEATURE, Sitetype ranking: 1

Unknown, EARTHWORK, Sitetype ranking: 2

SUMMARY

DESCRIPTION This circular depression in an arable field may be merely a low-lying damp patch, but could be an old pond. If so it should be recorded. (Mason 1993) A circular depression in an arable field of uncertain character and purpose. It is most likely of natural origin. (GAT, 1996) This trench was located to the south of Tan-yr-Allt Farm along a north-south slope leading into a hollow. (The hollow was designated as Feature 31 in the project design). The trench was located across a geophysics signal denoting a magnetic disturbance. Interpretation: No archaeological features were identified, but the signal was interpreted as an extensive spread of small sub-rounded stones that were glacial in origin. (Berks & Roberts 2005) The circular hollow is located c.35.0m south of Tanyrallt farmhouse and appears to be a shallow circular depression at the base of two slopes, one running east and one running west (Plate 38). Dimensions: 22.0m wide by 11.60m long by 0.35m deep. The most obvious function of the hollow could have been as a dew-pond and it was usually full of water (Plate 39). Impact: The feature was monitored during the watching brief phase. Visibility was reduced due to waterlogging and no further information was recovered (Plate 40). Three pieces of bog oak were recovered from the subsoil below the feature during the watching brief phase, with one piece submitted for dendrochronological dating. However, the tree ring data could not be fitted with any presently known chronological sequence (Nayling pers. com.). No other features of note were identified within the storage area during the course of the watching brief. (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

GAT40168 A497 Abererch to Llanystumdwy Road Improvements 1993

GAT40381 A497 Abererch to Llanystumdwy Road Improvements 1996

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

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

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

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

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: 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 <3>

PRN 31148

NAME Agricultural Features, North West of Afonwen Farm

NGR SH44143767

COMMUNITY Llanystumdwy

PERIOD AND TYPE POST-MEDIEVAL, FEATURE, Sitetype ranking: 1

SUMMARY

DESCRIPTION This [trench 58] was located at the south-easternmost end of the field, at the lowest point between two slopes. The trench contained evidence for post-medieval farming activity, viz., two field drains and two redundant post holes. Interpretation: The former appear to have been dug to soakaway water running off the surrounding slopes; the latter, the two post-holes, contained modern ceramic building material and were of late 19th or early 20th century date, but their exact function was unclear. (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

, ,

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

GAT40572 Archaeological Excavation and Recording During the A497 Road Improvement Scheme, Gwynedd 2007
GAT40739 Fferm Glanllynau, Chwilog: Storage Yard Extension 2007
GAT40740 Fferm Glanllynau, Chwilog, Gwynedd: Storage Yard Extension Archaeological Works 2008
GAT44083 A497 Improvement Pipeline Diversions Archaeology & Heritage 2005
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
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

Book: Waddington, K. 2013, The Settlements of Northwest Wales: From the Late Bronze Age to the Early Medieval Period, , , , HER Library Record No. 2377
Database: Kenney, J. 2011, Burnt Mounds in north-west Wales, , , ,
Database: Waddington, K. 2010, Early Celtic Societies in North Wales, , , ,
Report: Berks, T. & Roberts, J. 2005, A497 Improvement Abererch to Llanystumdwy: Assessment of Potential for Post-Excavation Analysis, , , , GAT Report No. 573
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: Evans, R. 2008, Fferm Glanllynau, Chwilog: Storage Yard Extension, , , , GAT Report No. 712
Report: Roberts, J. 2007, Fferm Glanllynau, Chwilog: Storage Yard Extension, , , , GAT Report No. 686
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

, ,

PRN 31505

NAME Butlin's Holiday Camp, Penychain

NGR SH43303620

COMMUNITY Llannor

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

SUMMARY

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

, ,

PRN 31542

NAME Site of Butlins Miniature Railway

NGR SH43563591

COMMUNITY Llannor

PERIOD AND TYPE Modern, MINATURE RAILWAY, Sitype 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: 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: 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)

, ,

PRN 34084

NAME Burnt Mound with trough, E of Afon Wen

NGR SH44203757

COMMUNITY Llanystumdwy

PERIOD AND TYPE BRONZE AGE, BURNT MOUND, Sitetype ranking: 1

SUMMARY Pit of possible Prehistoric date.

DESCRIPTION Two rectangular pits interpreted as burnt mound troughs were found about 9m apart. Pit [310001] (PRN 34084) was sub-rectangular and measured 2.4m by up to 1.7m, and about 0.6m deep. The pit was aligned south-west to north-east; the western side was steep, the eastern side more gradual and the base was flat. The north-eastern end of the cut was quite rounded. There was a grey sandy primary fill (310002), but the rest of the feature was filled with heat-cracked stones in a dark grey or black charcoal-rich matrix (310003/310004). Sealing the pit was a thin burnt stone layer (310005) and this spread out beyond the limits of the trough forming the remains of a mound measuring 5.4m by 3.2m. This was nowhere more than 0.2m deep. Other small patches of burnt mound material hinted that the mound was once much bigger. Much of the stone from the pits was heat-altered but there were no finds recovered. Two charred cereal grains were recovered from the fill of pit [310001], but these were in too poor a condition to identify beyond wheat/barley. However the presence of cereal grains on burnt mounds is relatively rare and their presence may be a useful hint that food or drink were sometimes prepared on these sites. The very few charred weeds seeds and rare fragments of charred herbaceous stem were in too poor a condition to identify. The charcoal was abundant in quantity but in a very poor condition. Oak, alder, hazel, hawthorn and holly were found. Alder was dominant in the main fill of pit [310001] and in layer (310010) over pit [31007], while context (310004) in pit [310001] produced a more mixed assemblage with oak and hazel. Alder is considered a poor wood fuel, but grows in the wet areas generally used for burnt mounds. Holly will tolerate all except the wettest soil conditions, but the oak and hazel are likely to have come from drier ground. The quantity of burnt stone and the shape of the pits strongly suggest that these were burnt mound troughs. Their distance apart implies two separate mounds potentially separated by a considerable period of time. These troughs are located at about 10m OD in a relatively dry area 300m east of the Afon Wen. As discussed above as well as the pit in plot 3/6 a burnt mound (PRN 31151) was found to the west and about 800m to the east was a pit possibly related to burnt mound activity that dated to the late Bronze Age (PRN 35032, Berks et al 2007, 12-14). Further east near Glanllynau two pits (PRN 24742) were excavated which contained some burnt stone but these did not have the very stony, charcoal-rich fill typical of burnt mounds so it is not certain that these did represent a burnt mound (Evans 2008). The burnt mound was picked up on the geophysical survey, but it is rarely possible to distinguish burnt mound signals from other noise in geophysical surveys and it was labelled as "uncertain/unknown". The survey does suggest that this was the only burnt mound along this stretch of the pipe route. (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: 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: 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)

, ,

PRN 34085

NAME Burnt mound trough, E of Afon Wen

NGR SH44203756

COMMUNITY Llanystumdwy

PERIOD AND TYPE BRONZE AGE, BURNT MOUND, Sitetype ranking: 1

SUMMARY Burnt Mound of Bronze Age date.

DESCRIPTION To the east of pit [310001] (PRN 34084) was trough [310007], which measured 2.2m by 1.2m, and was 0.45m deep. This was also sub-rectangular with rounded ends, aligned WSW to ESE. The sides at western end were steep and the eastern end was more gradual. There was a large stone in the base of the trough, 0.4m in length, with burnt stone deposits around it (310008/310009), in the eastern end of the pit was a paler grey fill with numerous heat cracked stones (310012) and over all these was a black layer (310010) with more charcoal and fewer stones than the other fills. At the western end an orange silt (310011) had washed over the fills making the edge of the cut difficult to see on the surface. There were slight patches of burnt mound material associated with this trough but it is possible that any mound associated with it was outside the stripped easement. This trough was about 9m from another (PRN 34084) and these troughs are located at about 10m OD in a relatively dry area 300m east of the Afon Wen. A burnt mound (PRN 31151) was found about 1km to the west and another similar feature (PRN 24742) over 1km to the east, but no burnt mounds are currently known close to this site.(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: 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: 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)

, ,

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., , , ,

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

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

, ,

PRN 37854

NAME Hedge-bank, SE of Afon Wen

NGR SH44073751

COMMUNITY Llanystumdwy

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

SUMMARY Hedge-bank, Post-Medieval in date.

DESCRIPTION Earth core with cobbled stone revetment and modern post and wire fence within it. Boundary to fairly regular field on reclaimed salt marsh. 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: 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: Kenney, J. 2013, Gas Pipeline Replacement: Pwllheli to Blaenau Ffestiniog: Report on Archaeological Mitigation, Volume 1, , , , GAT Report 1136 (Volume 1)

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

, ,

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 None Recorded

ASSOCIATED EVENTS

GAT40168 A497 Abererch to Llanystumdwy Road Improvements 1993

GAT40381 A497 Abererch to Llanystumdwy Road Improvements 1996

GAT40782 Hut Circle Settlement Survey 1998

GAT44082 A497 Improvement Pipeline Diversions Archaeology & Heritage 2004

GAT44083 A497 Improvement Pipeline Diversions Archaeology & Heritage 2005

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

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

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

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

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

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

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>

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

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

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

STATUS None Recorded

ASSOCIATED EVENTS

GAT40168 A497 Abererch to Llanystumdwy Road Improvements 1993

GAT40322 Deserted Rural Settlement in Western Caernarfonshire 1997

GAT40381 A497 Abererch to Llanystumdwy Road Improvements 1996

GAT40835 Deserted Rural Settlement Survey 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: Jones, S. 1997, Deserted Rural Settlement in Western Caernarvonshire, , , , GAT Report No. 247

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

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, Sitype 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

, ,

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, Chwilog 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., , , ,

, ,

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., , , ,

, ,

PRN 68503

NAME Penychen Mill, Site of

NGR SH4384037600

COMMUNITY Llanystumdwy

PERIOD AND TYPE MEDIEVAL, MILL, Sitetype ranking: 1

SUMMARY Possible site of a Medieval mill.

DESCRIPTION Documentary records indicate the presence of a medieval mill on the W bank of the Afon Wen. The location of this mill is unknown. (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: McElligott, M. 2015, BNRG Renewables Ltd. Land at Bryn Bachau Farm, Chwilog, Gwynedd.

Archaeological Trial Trenching Report. , , , CP11495/15

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

, ,

PRN 68539

NAME Former Field Boundaries, Possible, Bryn Bachau

NGR SH4293437065

COMMUNITY Llanystumdwy

PERIOD AND TYPE UNKNOWN, DRAIN, Sitetype ranking: 1

UNKNOWN, FIELD BOUNDARY, Sitetype ranking: 2

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

Archaeological Trial Trenching Report. , , , CP11495/15

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

, ,

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

, ,

PRN 7249

NAME Afonwen Railway Junction, Llanystumdwy

NGR SH44503710

COMMUNITY Llanystumdwy

PERIOD AND TYPE Modern, RAILWAY, Sitetype ranking: 1

SUMMARY

DESCRIPTION The site of Afonwen Junction; the Cambrian Railways' platform survives, but traces only remain of the LNWR platform, and the locomotive sheds etc. have been obliterated. Evidence survives of some lineside buildings, and the stump of a starter signal survives. (Dutton & Gwyn, 1996)

EVIDENCE COMPLEX

CONDITION INFORMATION

CONDITION: NEAR DESTROYED CONDITION RATING: POOR 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

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

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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

''

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 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 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 flak 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 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 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: 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).

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: 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: 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).

SOURCES

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

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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: GATHER1008

Prepared by: Derby, S., Gwynedd Archaeological Trust

Produced for: Cassandra Davies, Archaeology Wales

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Search Criteria:

1km Search Radius around SH4362136833

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 -

COMMENTS ASSESSMENT

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

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 -

COMMENTS MONUMENT SURVEY

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

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 -

COMMENTS AREA SURVEY

CROSS REFERENCES 40016, 40361, 40362 GAT1202, GAT12136, GAT12181, GAT1235, GAT1238, GAT1239,

GAT12637, GAT12729, GAT12730, GAT12731, GAT12732, GAT12733, GAT12734, GAT12735, GAT12736, GAT12737, GAT12738, GAT1317, GAT1328, GAT1332, GAT1433, GAT1571, GAT16601, GAT18392, GAT18495, GAT18934, GAT19730, GAT19731, GAT19732, GAT20501, GAT21180, GAT21520, GAT21562, GAT22015, GAT2212, GAT2213, GAT2270, GAT2284, GAT2285, GAT2291, GAT25010, GAT25011, GAT25104, GAT25501, GAT2911, GAT30572, GAT30573, GAT3290, GAT3291, GAT3294, GAT3295, GAT34151, GAT3445, GAT3490, GAT3491, GAT3654, GAT38128, GAT4000, GAT4014, GAT4015, GAT4068, GAT4324, GAT4335, GAT4379, GAT4428, GAT4445, GAT4729, GAT4920, GAT4922, GAT5046, GAT5047, GAT5063, GAT5136, GAT5331, GAT55782, GAT55909, GAT5675, GAT59577, GAT59578, GAT59579, GAT59580, GAT59581, GAT59582, GAT59583, GAT59584, GAT59585, GAT59586, GAT59587, GAT59588, GAT59589, GAT59590, GAT59591, GAT59592, GAT59593, GAT59594, GAT59595, GAT59596, GAT59597, GAT59598, GAT59599, GAT59600, GAT59601, GAT59602, GAT59603, GAT59604, GAT59605, GAT59606, GAT59607, GAT59608, GAT59609, GAT59610, GAT59611, GAT59612, GAT59613, GAT59614, GAT59615, GAT59616, GAT59617, GAT59618, GAT59619, GAT59620, GAT59621, GAT59622, GAT59623, GAT59624, GAT59625, GAT59626, GAT59627, GAT59628, GAT59629, GAT59630, GAT59631, GAT59632, GAT59633, GAT59634, GAT59635, GAT59636, GAT59637, GAT59638, GAT59639, GAT59640, GAT59641, GAT59642, GAT59643, GAT59644, GAT59645, GAT59646, GAT59647, GAT59648, GAT59649, GAT59650, GAT59651, GAT59652, GAT59653, GAT59654, GAT59655, GAT59656, GAT59657, GAT59658, GAT59659, GAT59660, GAT59661, GAT59662, GAT59663, GAT59664, GAT59665, GAT59666, GAT59667, GAT59668, GAT59669, GAT59670, GAT59671, GAT59672, GAT59673, GAT59674, GAT59675, GAT59676, GAT59677, GAT59678, GAT59679, GAT59680, GAT59681, GAT59682, GAT59683, GAT59684, GAT59685, GAT59686, GAT6577, GAT6901, GAT7013, GAT7240, GAT7241, GAT7242, GAT7243, GAT7244, GAT7245, GAT7246, GAT7247, GAT7248, GAT7249, GAT7250, GAT7251, GAT7252, GAT7253, GAT7254, GAT7255, GAT7256, GAT7258, GAT7260, GAT7261, GAT7262, GAT7263, GAT7264, GAT7265, GAT7266, GAT7267, 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, GAT7486, GAT770

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 -

COMMENTS ARCHAEOLOGICAL ASSESSMENT

CROSS REFERENCES - GAT11368, GAT2263, 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, GAT5728, GAT5729, GAT5732, GAT5733, GAT5734, GAT5735, GAT5736, GAT5738

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 -

COMMENTS EVALUATION, EXCAVATION & WATCHING BRIEF

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

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 -

COMMENTS WATCHING BRIEF

CROSS REFERENCES 54777, 54778 GAT19696, GAT19697, 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 -

COMMENTS EVALUATION/ EXCAVATION/ WATCHING BRIEF

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 -

COMMENTS ARCHAEOLOGICAL ASSESSMENT

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

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 -

COMMENTS ARCHAEOLOGICAL EVALUATION

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

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

COMMENTS None

CROSS REFERENCES - GAT10, GAT1001, GAT1002, GAT1003, GAT1004, GAT1007, GAT10076, GAT10107, GAT1012, GAT10147, GAT1015, GAT1016, GAT1017, GAT1018, GAT1019, GAT10191, GAT10199, GAT10203, GAT10239, GAT1024, GAT10245, GAT10246, GAT1025, GAT10252, GAT1026, GAT10266, GAT1027, GAT1028, GAT10307, GAT10308, GAT10310, GAT10314, GAT10315, GAT1032, GAT10322, GAT10325, GAT1033, GAT10333, GAT10339, GAT10343, GAT10344, GAT10349, GAT1035, GAT10352, GAT10359, GAT10367, GAT10368, GAT1037, GAT10370, GAT10379, GAT10396, GAT104, GAT10401, GAT10407, GAT10417, GAT10421, GAT10432, GAT10436, GAT10437, GAT10438, GAT1044, GAT10442, GAT10444, GAT10445, GAT10448, GAT1045, GAT10450, GAT10453, GAT10458, GAT10461, GAT1047, GAT10480, GAT10484, GAT10488, GAT10494, GAT10496, GAT10497, GAT105, GAT1050, GAT1051, GAT10517, GAT1052, GAT1053, GAT10536, GAT1054, GAT10549, GAT1055, GAT1056, GAT10572, GAT10598, GAT10608, GAT1061, GAT1062, GAT1063, GAT10635, GAT10636, GAT10637, GAT1064, GAT10644, GAT10647, GAT1065, GAT10651, GAT1066, GAT10685, GAT107, GAT1071, GAT1073, GAT1074, GAT1075, GAT10754, GAT1078, GAT1079, GAT108, GAT1080, GAT10808, GAT10840, GAT10849, GAT109, GAT10914, GAT10917, GAT11, GAT1108, GAT1109, GAT111, GAT1110, GAT1111, GAT1112, GAT1113, GAT1114, GAT1115, GAT1116, GAT1118, GAT112, GAT113, GAT1132, GAT1133, GAT1135, GAT114, GAT1142, GAT1144, GAT1146, GAT1148, GAT1149, GAT115, GAT1150, GAT1151, GAT1154, GAT1155, GAT1156, GAT1157, GAT1158, GAT1159, GAT116, GAT1160, GAT1163, GAT1164, GAT1165, GAT1168, GAT1169, GAT117, GAT1170, GAT1173, GAT1174, GAT1176, GAT1177, GAT1178, GAT1179, GAT118, GAT1180, GAT1183, GAT1184, GAT1187, GAT1189, GAT119, GAT1190, GAT1192, GAT1194, GAT12, GAT1205, GAT1208, GAT121, GAT1210, GAT1213, GAT1215, GAT1216, GAT122, GAT1227, GAT1228, GAT1229, GAT1231, GAT1240, GAT1241, GAT1242, GAT1244, GAT1245, GAT1247, GAT1257, GAT1262, GAT1264, GAT1265, GAT1266, GAT1267, GAT1269, GAT1272, GAT1273, GAT1274, GAT1275,

GAT1279, GAT1280, GAT1282, GAT1283, GAT1287, GAT1288, GAT1289, GAT1292, GAT1293, GAT1294, GAT1295, GAT1297, GAT1298, GAT13, GAT1304, GAT1305, GAT1306, GAT131, GAT1315, GAT1316, GAT13160, GAT13173, GAT1318, GAT13189, GAT13195, GAT132, GAT13200, GAT13201, GAT13202, GAT13208, GAT1321, GAT13211, GAT13212, GAT13215, GAT13217, GAT1322, GAT13222, GAT13226, GAT1323, GAT13239, GAT1325, GAT13256, GAT13257, GAT13260, GAT13263, GAT13269, GAT13288, GAT13294, GAT13298, GAT133, GAT1330, GAT13303, GAT13307, GAT13315, GAT13317, GAT13323, GAT13328, GAT13333, GAT13339, GAT1335, GAT1337, GAT13373, GAT13382, GAT13388, GAT13395, GAT13396, GAT134, GAT13401, GAT13402, GAT13403, GAT1341, GAT13414, GAT13416, GAT1342, GAT13424, GAT1343, GAT1344, GAT13442, GAT13443, GAT13449, GAT13456, GAT1347, GAT13476, GAT13477, GAT1348, GAT13484, GAT1349, GAT13498, GAT13500, GAT13507, GAT1351, GAT1352, GAT13526, GAT13528, GAT1353, GAT1354, GAT13542, GAT13545, GAT13546, GAT13548, GAT13554, GAT1356, GAT13562, GAT13564, GAT13566, GAT13568, GAT1357, GAT13571, GAT1358, GAT13582, GAT13584, GAT13586, GAT1359, GAT13590, GAT1360, GAT1361, GAT1362, GAT1363, GAT1364, GAT1365, GAT1366, GAT1367, GAT1368, GAT1369, GAT1375, GAT1376, GAT1377, GAT1379, GAT1386, GAT1390, GAT1391, GAT1394, GAT1396, GAT1397, GAT1399, GAT14, GAT1400, GAT1401, GAT1402, GAT1404, GAT1406, GAT1411, GAT1425, GAT1427, GAT145, GAT146, GAT1460, GAT1463, GAT1464, GAT1466, GAT1469, GAT147, GAT1470, GAT148, GAT1484, GAT1485, GAT1486, GAT1487, GAT1488, GAT149, GAT1492, GAT1493, GAT1496, GAT1497, GAT1498, GAT150, GAT1500, GAT1501, GAT1502, GAT1503, GAT1504, GAT1508, GAT1513, GAT1514, GAT1515, GAT1516, GAT1519, GAT1520, GAT1523, GAT1525, GAT1528, GAT1537, GAT1548, GAT1552, GAT1572, GAT1584, GAT1585, GAT160, GAT1604, GAT1606, GAT1614, GAT1620, GAT1632, GAT1649, GAT165, GAT1652, GAT166, GAT1663, GAT1664, GAT167, GAT1674, GAT168, GAT1681, GAT1683, GAT1685, GAT169, GAT1692, GAT1693, GAT170, GAT171, GAT172, GAT173, GAT1743, GAT1745, GAT1746, GAT1747, GAT175, GAT1750, GAT1755, GAT1756, GAT176, GAT1768, GAT177, GAT178, GAT1788, GAT179, GAT1810, GAT1812, GAT1813, GAT1815, GAT1816, GAT193, GAT195, GAT196, GAT1995, GAT2000, GAT2003, GAT2010, GAT2037, GAT207, GAT208, GAT2087, GAT2088, GAT2089, GAT209, GAT2092, GAT2093, GAT2099, GAT21, GAT210, GAT211, GAT2110, GAT2111, GAT212, GAT2127, GAT2128, GAT2129, GAT213, GAT2131, GAT2132, GAT214, GAT216, GAT2161, GAT2168, GAT217, GAT219, GAT2215, GAT2218, GAT222, GAT2220, GAT2221, GAT2223, GAT2224, GAT2225, GAT2228, GAT2229, GAT2236, GAT2237, GAT2242, GAT2252, GAT229, GAT2295, GAT2296, GAT231, GAT2311, GAT2312, GAT2318, GAT232, GAT2320, GAT2327, GAT2328, GAT2329, GAT233, GAT2330, GAT234, GAT2347, GAT235, GAT236, GAT2362, GAT2363, GAT2364, GAT2368, GAT237, GAT2372, GAT2373, GAT2374, GAT238, GAT2381, GAT2383, GAT2388, GAT2389, GAT239, GAT2390, GAT2392, GAT2393, GAT2394, GAT2396, GAT2397, GAT2399, GAT240, GAT2400, GAT2406, GAT2416, GAT2418, GAT242, GAT2420, GAT2421, GAT2422, GAT2423, GAT2424, GAT2429, GAT243, GAT2430, GAT2435, GAT2438, GAT2439, GAT2443, GAT2444, GAT2445, GAT247, GAT2473, GAT248, GAT249, GAT2495, GAT2496, GAT2497, GAT2498, GAT2499, GAT250, GAT251, GAT2515, GAT252, GAT2520, GAT253, GAT2532, GAT2535, GAT2537, GAT254, GAT2544, GAT2546, GAT2547, GAT2548, GAT255, GAT2551, GAT2553, GAT2554, GAT256, GAT2563, GAT2564, GAT2565, GAT257, GAT258, GAT2588, GAT259, GAT2599, GAT26, GAT260, GAT2602, GAT262, GAT2627, GAT263, GAT2639, GAT264, GAT265, GAT266, GAT2663, GAT267, GAT2678, GAT268, GAT2680, GAT269, GAT27, GAT270, GAT271, GAT2711, GAT2713, GAT272, GAT2728, GAT273, GAT274, GAT2752, GAT2754, GAT2766, GAT278, GAT2787, GAT2788, GAT2789, GAT279, GAT2790, GAT2791, GAT2792, GAT2793, GAT2794, GAT2795, GAT2796, GAT2797, GAT2798, GAT28, GAT280, GAT2800, GAT2817, GAT2821, GAT2822, GAT2832, GAT2837, GAT284, GAT2841, GAT285, GAT2856, GAT2857, GAT2859, GAT286, GAT287, GAT288, GAT289, GAT2899, GAT29, GAT290, GAT2902, GAT2903, GAT2907, GAT291, GAT2920, GAT2926, GAT293, GAT2930, GAT2931, GAT2932, 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GAT3481, GAT350, GAT3595, GAT3605, GAT3609, GAT3611, GAT3613, GAT36302, GAT3660, GAT3663, GAT3667, GAT3679, GAT3685, GAT3687, GAT3694, GAT3695, GAT3697, GAT3698, GAT3699, GAT3707, GAT371, GAT3728, GAT3751, GAT3753, GAT3766, GAT3770, GAT3771, GAT3772, GAT3775, GAT3778, GAT3780, GAT3781, GAT3782, GAT3783, GAT3789, GAT3795, GAT3806, GAT3808,

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SOURCES

.,.,.

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*

COMMENTS None

CROSS REFERENCES - GAT110, GAT119, GAT120, GAT1209, GAT1211, GAT1212, GAT1214, GAT1228, GAT123, GAT1230, GAT1243, GAT1263, GAT1268, GAT1270, GAT1271, GAT1278, GAT1281, GAT1296, GAT13157, GAT13162, GAT13169, GAT13172, GAT13178, GAT13180, GAT1319, GAT1320, GAT13200, GAT13201, GAT13206, GAT13211, GAT13222, GAT13237, GAT1324, GAT13242, GAT13243, GAT13244, GAT13254, GAT13257, GAT13262, GAT13265, GAT13266, GAT13268, GAT13287, GAT13288, GAT13299, GAT13300, GAT13307, GAT13313, GAT1332, GAT13321, GAT1334, GAT13353, GAT1336, GAT13368, GAT13369, GAT13372, GAT13373, GAT13378, GAT13384, GAT1339, GAT13390, GAT13394, GAT13397, GAT13398, GAT1340, GAT13408, GAT13410, GAT13415, GAT13418, GAT13423, GAT13424, GAT13442, GAT13443, GAT1345, GAT13454, GAT13455, GAT1346, GAT13463, GAT13464, GAT13466, GAT13469, GAT13470, GAT13482, GAT13483, GAT13485, GAT13486, GAT13495, GAT13496, GAT13498, GAT1350, GAT13507, GAT13519, GAT13525, GAT13526, GAT13530, GAT13532, GAT13535, GAT13540, GAT1355, GAT13550, GAT13551, GAT13554, GAT13555, GAT13559, GAT13560, GAT13563, GAT13572, GAT13573, GAT13579, GAT13584, GAT13586, GAT13587, GAT13591, GAT1370, GAT1371, GAT1372, GAT1378, GAT1385, GAT1398, GAT1403, GAT1404, GAT1405, GAT1407, GAT1408, GAT1409, GAT1410, GAT1412, GAT1413, GAT1414,

GAT1415, GAT1416, GAT1418, GAT1420, GAT1421, GAT1422, GAT1423, GAT1424, GAT1426, GAT151, GAT152, GAT153, GAT15608, GAT15609, GAT15610, GAT15612, GAT15613, GAT15614, GAT15615, GAT15617, GAT15618, GAT15619, GAT15620, GAT15621, GAT15622, GAT15623, GAT15624, GAT15625, GAT15626, GAT15627, GAT15628, GAT15629, GAT15630, GAT15631, GAT15632, GAT15633, GAT15634, GAT15635, GAT15636, GAT15637, GAT15638, GAT15639, GAT15640, GAT15641, GAT15642, GAT15643, GAT15644, GAT15645, GAT15646, GAT15647, GAT15648, GAT15649, GAT15650, GAT15651, GAT15652, GAT15653, GAT15654, GAT15655, GAT15656, GAT15657, GAT15658, GAT15659, GAT15660, GAT15661, GAT15662, GAT15663, GAT15664, GAT15665, GAT15666, GAT15667, GAT15668, GAT15669, GAT15670, GAT15671, GAT15672, GAT15673, GAT15674, GAT15675, GAT15676, GAT15677, GAT15678, GAT15679, GAT1587, GAT1668, GAT1670, GAT1671, GAT174, GAT180, GAT181, GAT182, GAT1825, GAT183, GAT184, GAT185, GAT186, GAT187, GAT188, GAT194, GAT205, GAT2087, GAT2089, GAT212, GAT213, GAT2216, GAT2217, GAT2222, GAT2226, GAT2235, GAT2244, GAT2245, GAT2252, GAT227, GAT2346, GAT2361, GAT2365, GAT2376, GAT2381, GAT2382, GAT2386, GAT2391, GAT2392, GAT2395, GAT2398, GAT2401, GAT2402, GAT2403, GAT2404, GAT2405, GAT2407, GAT2409, GAT2410, GAT2792, GAT2799, GAT29515, GAT3303, GAT3306, GAT3307, GAT3308, GAT3309, GAT3310, GAT3320, GAT3338, GAT3339, GAT3348, GAT3349, GAT3360, GAT3363, GAT3368, GAT3381, GAT3390, GAT3926, GAT3999, GAT4041, GAT4042, GAT4043, GAT4044, GAT4045, GAT4046, GAT4059, GAT409, GAT410, GAT4197, GAT4200, GAT4201, GAT4203, GAT426, GAT4290, GAT430, GAT4300, GAT431, GAT436, GAT4360, GAT4362, GAT444, GAT4762, GAT5021, GAT5023, GAT5053, GAT5266, GAT5346, GAT5608, GAT5674, GAT5733, GAT5735, GAT583, GAT592, GAT6005, GAT6007, GAT6009, GAT6010, GAT6012, GAT606, GAT608, GAT6127, GAT6128, GAT6129, GAT6131, GAT614, GAT621, GAT622, GAT670, 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, GAT7536, GAT768, GAT771, GAT780, GAT905, GAT907, GAT908, GAT91, GAT910, GAT912, GAT914, GAT918, GAT92, GAT94, GAT948, GAT95, GAT98

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 -

COMMENTS *GEOPHYSICAL SURVEY*

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 -

COMMENTS *None*

CROSS REFERENCES - *GAT6788*

SOURCES

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REPORT None

PRN 43676 **NAME** Metal Detecting at Llanystumdwy **NGR** SH44023750 **COMMUNITY** Llanystumdwy
TYPE Metal Detector Use **YEAR** 2004 **ORGANISATION** - **PERSON** Thomas, I. W.
SUMMARY Metal detector use by a member of the public at Llanystumdwy. A spindle whorl was recovered.

DESCRIPTION -

COMMENTS None

CROSS REFERENCES - GAT19627

SOURCES

Desc. Text: Steele, N., 2005, PRN 19627 Spindle Whorl, Llanystumdwy, Digital FI File PRN 19627

Digital Photograph: Steele, N., 2005, PRN 19627 Spindle Whorl, Llanystumdwy, HER Digital Images PRN 19627

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 -

COMMENTS None

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

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

COMMENTS

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

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 -

COMMENTS None

CROSS REFERENCES - GAT1, GAT10, GAT1000, GAT10000, GAT10001, GAT10005, GAT10006, GAT1001, GAT10010, GAT10017, GAT1002, GAT10020, GAT10022, GAT10023, GAT10026, GAT10027, GAT10028, GAT10029, GAT1003, GAT1004, GAT1005, GAT10061, GAT10065, GAT10066, GAT10070, GAT10071, GAT10076, GAT10077, GAT10095, GAT10102, GAT10103, GAT10104, GAT10107, GAT1011, GAT10114, GAT1012, GAT10147, GAT1015, GAT1016, GAT1017, GAT10171, GAT1018, GAT1019, GAT102, GAT1020, GAT10215, GAT10239, GAT1024, GAT1025, GAT10252, GAT10256, GAT10258, GAT10259, GAT1026, GAT10260, GAT10262, GAT10264, GAT10266, GAT1027, GAT10272, GAT10274, GAT1028, GAT10283, GAT1029, GAT10306, GAT10307, GAT10308, GAT10310, GAT10312, GAT10314, GAT10315, GAT1032, GAT10322, GAT10325, GAT1033, GAT10333, GAT10339, GAT1034, GAT10343, GAT10344, GAT10347, GAT10349, GAT1035, GAT10352, GAT10359, GAT1036, GAT10367, GAT10368, GAT1037, GAT10370, GAT10379, GAT10396, GAT104, GAT10401, GAT10407, GAT10421, GAT10432, GAT10436, GAT10437, GAT10438, GAT1044, GAT10442, GAT10444, GAT10445, GAT10448, GAT1045, GAT10450, GAT10451, GAT10453, GAT10454, GAT1046, GAT10460, GAT10461, GAT1047, GAT10480, GAT10484, GAT10488, GAT10494, GAT10496, GAT10497, GAT105, GAT1050, GAT1051, GAT10511, GAT10512, GAT10517, GAT1052, GAT1053, GAT10535, GAT10536, GAT1054, GAT10545, GAT10549, GAT1055, GAT1056, GAT10572, GAT10598, GAT10608, GAT1061, GAT1062, GAT1063, GAT10635, GAT10636, GAT10637, GAT1064, GAT10644, GAT1065, GAT1066, GAT107, GAT1070, GAT1071, GAT1072, GAT1073, GAT1074, GAT1075, GAT10754, GAT1077, GAT1078, GAT1079, GAT108, GAT1080, GAT10840, GAT10849, GAT109, GAT10914, GAT10917, GAT10971, GAT11, GAT11020, GAT11023, GAT11048, GAT1106, GAT1107, GAT11074, GAT1108, GAT1109, GAT11097, GAT111, GAT1110, GAT1111, GAT1112, GAT1113, GAT1114, GAT1115, GAT1116, GAT1118, GAT1119, GAT112, GAT1129, GAT113, GAT1130, GAT1131, GAT1132, GAT1133, GAT1134, GAT1135, GAT1137, GAT11386, GAT1139, GAT114, GAT1140, GAT11414, GAT11418, GAT1142, GAT1144, GAT1145, GAT1146, GAT1148, GAT1149, GAT115, GAT1150, GAT11509, GAT1151, GAT11512, GAT11533, GAT11534, GAT1154, GAT1155, GAT1156, GAT1157, GAT1158, GAT1159, GAT116, GAT1160, GAT11619, GAT1163, GAT11636, GAT1164, GAT1165, GAT11653, GAT11668, GAT1168, GAT11684, GAT11693, GAT117, GAT1170, GAT11718, GAT1172, GAT1173, GAT1174, GAT11746, GAT11748, GAT1176, GAT1177, GAT11789, GAT1179, GAT118, GAT1180, GAT1181, GAT1182, GAT1183, GAT1184, GAT1187, GAT1189, GAT119, GAT1190, GAT1191, GAT1192, GAT11925, GAT1193, GAT1194, GAT1195, GAT1196, GAT12, GAT1201, GAT1202, GAT1205, GAT1206, GAT12068, GAT1207, GAT1208, GAT1209, GAT121, GAT1210, GAT1212, GAT1213, GAT1215, GAT1216, GAT12195, GAT122, GAT1223, GAT1226, GAT1227, GAT1228, GAT12288, GAT1229, GAT1230, GAT1231, GAT12315, GAT1234, GAT1235, GAT1236, GAT1237, GAT1240, GAT1242, GAT1244, GAT1245, GAT1246, GAT1247, GAT1257, GAT126, GAT1261, GAT1262, GAT1263, GAT12638, GAT1264, GAT1265, GAT1266, GAT1267, GAT1268, GAT1269, GAT127, GAT1271, GAT1272, GAT12726, GAT1273, GAT1274, GAT1275, GAT1276, GAT12781, GAT1279, GAT12791, GAT128, GAT1280, GAT1282, GAT12827, GAT1283, GAT12845, GAT1287, GAT1288, GAT1289, GAT129, GAT1290, GAT1292, GAT1293, GAT12937, GAT1294, GAT12941, GAT1295, GAT1297, GAT1298, GAT1299, GAT13, GAT1301, GAT1302, GAT1303, GAT1304, GAT1305, GAT1306, GAT1307, GAT131, GAT13114, GAT1312, GAT1314, GAT1315, GAT13159, GAT1316, GAT13160, GAT13173, GAT13176, GAT1318, GAT13180, GAT13183, GAT13189, GAT13195, GAT13196, GAT132, GAT13200, GAT13201, GAT13202, GAT13208, GAT1321, GAT13212, GAT13215, GAT13216, GAT13217, GAT1322, GAT13220, GAT13222, GAT1323, GAT1325, GAT13255, GAT13256, GAT13257, GAT13260, GAT13263, GAT13269, GAT13288, GAT13294, GAT13298, GAT133, GAT1330, GAT13301, GAT13306, GAT13307, GAT13317, GAT13323, GAT13328, GAT13333, GAT13335, GAT13337, GAT13339, GAT13348, GAT1335, GAT1337, GAT13373, GAT13374, GAT13375, GAT13382, GAT13388, GAT13389, GAT13395, GAT13396, GAT134, GAT13401, GAT13402, GAT13403, GAT1341, GAT13414, GAT13416, GAT1342, GAT13424, GAT1343, GAT1344, GAT13442, GAT13444, GAT13449, GAT13451, GAT13456, GAT1347, GAT13476, GAT1348, GAT13484, GAT1349, GAT13495, GAT13498, GAT13499, GAT135, GAT13500, GAT13506, GAT13507, GAT1351,

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

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

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 *Scoping study on Medieval and Post-Medieval sites related to agriculture and subsistence including sheepfolds, rabbit warrens and peat cutting. Other miscellaneous sites are also included, such as dovecotes and deer parks.*

DESCRIPTION -

COMMENTS None

CROSS REFERENCES - GAT10032, GAT10035, GAT10041, GAT10044, GAT10045, GAT10047, GAT10068, GAT10081, GAT10083, GAT10087, GAT10090, GAT10092, GAT10093, GAT10096, GAT10106, GAT10108, GAT1011, GAT10113, GAT10115, GAT10116, GAT10123, GAT10124, GAT10125, GAT10128, GAT10133, GAT10138, GAT10141, GAT10144, GAT10150, GAT10151, GAT10152, GAT10159, GAT10164, GAT10190, GAT10192, GAT10195, GAT10216, GAT10221, GAT10222, GAT10225, GAT10227, GAT10232, GAT10240, GAT10261, GAT10269, GAT10276, GAT10280, GAT10281, GAT10285, GAT10286, GAT10287, GAT10288, GAT10321, GAT10328, GAT10329, GAT10334, GAT10335, GAT10357, GAT10360, GAT10364, GAT10369, GAT10374, GAT10376, GAT10382, GAT10392, GAT10397, GAT10422, GAT10423, GAT10424, GAT10434, GAT10441, GAT10452, GAT10455, GAT10457, GAT10458, GAT10459, GAT10466, GAT10473, GAT10475, GAT105, GAT10518, GAT10519, GAT10588, GAT10593, GAT10600, GAT10602, GAT10604, GAT10606, GAT10624, GAT10628, GAT10638, GAT10643, GAT10664, GAT10667, GAT10674, GAT10675, GAT1069, GAT10691, GAT10704, GAT10705, GAT10725, GAT10729, GAT10740, GAT10743, GAT10772, GAT10787, GAT10807, GAT10808, GAT10845, GAT10856, GAT10860, GAT10878, GAT10921, GAT10929, GAT10930, GAT10939, GAT10945, GAT10949, GAT10955, GAT10956, GAT10969, GAT10973, GAT10977, GAT10986, GAT11490, GAT11593, GAT1162, GAT11886, GAT11950, GAT12349, GAT12409, GAT12445, GAT12474, GAT12640, GAT12805, GAT12829, GAT12855, GAT12858, GAT12923, GAT12926, GAT12953, GAT13006, GAT13009, GAT13014, GAT13048, GAT13062, GAT13081, GAT13083, GAT13085, GAT13090, GAT13096, GAT13099, GAT13100, GAT13101, GAT13102, GAT13103, GAT13122, GAT13139, GAT13169, GAT13171, GAT13197, GAT13203, GAT13209, GAT13219, GAT13221, GAT13236, GAT13237, GAT13239, GAT13240, GAT13247, GAT13248, GAT13250, GAT13251, GAT13252, GAT13253, GAT1326, GAT13261, GAT13270, GAT13284, GAT13289, GAT13291, GAT13297, GAT13302, GAT13305, GAT13314, GAT13315, GAT13316, GAT13331, GAT13352, GAT13356, GAT13358, GAT13359, GAT13368, GAT13379, GAT13380, GAT13381, GAT13393, GAT13399, GAT13400, GAT13406, GAT13414, GAT13415, GAT13421, GAT13422, GAT13428, GAT13438, GAT13455, GAT13459, GAT13470, GAT13471, GAT13472, GAT13473, GAT13478, GAT13490, GAT13497, GAT13561, GAT13565, GAT13567, GAT13597, GAT13599, GAT13609, GAT13616, GAT13624, GAT13632, GAT13635, GAT13636, GAT13646, GAT13647, GAT13653, GAT13655, GAT13656, GAT13666, GAT13671, GAT13672, GAT13673, GAT13674, GAT13681, GAT13682, GAT13702, GAT13703, GAT13705, GAT13706, GAT13711, GAT13714, GAT13723, GAT13724, GAT13732, GAT13733, GAT13734, GAT13737, GAT13739, GAT13743, GAT13746, GAT13750, GAT13755, GAT13757, GAT13758, GAT13762, GAT13769, GAT13771, GAT13772, GAT13775, GAT13776, GAT13778, GAT13779, GAT13780, GAT13781, GAT13784, GAT13796, GAT13797, GAT13800, GAT13805, GAT13813, GAT13817, GAT13818, GAT13820, GAT13821, GAT13822, GAT13823, GAT13825, GAT13826, GAT13829, GAT13830, GAT13833, GAT13834, GAT13836,

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GAT19303, GAT19337, GAT19339, GAT19340, GAT19346, GAT19347, GAT19348, GAT19349, GAT19382, GAT19390, GAT19397, GAT19400, GAT19488, GAT19489, GAT19494, GAT19496, GAT19503, GAT19691, GAT19854, GAT19857, GAT19858, GAT19861, GAT19862, GAT19863, GAT19865, GAT19866, GAT19867, GAT19868, GAT19869, GAT19871, GAT19878, GAT19880, GAT19882, GAT19883, GAT19885, GAT19886, GAT19887, GAT19888, GAT19889, GAT19890, GAT19891, GAT19906, GAT19914, GAT19915, GAT19916, GAT19917, GAT19918, GAT19921, GAT19927, GAT19932, GAT19933, GAT19949, GAT19953, GAT19956, GAT19957, GAT19959, GAT19962, GAT19963, GAT19964, GAT19965, GAT19976, GAT19983, GAT19995, GAT20, GAT2024, GAT20735, GAT2118, GAT2200, GAT2236, GAT2237, GAT2238, GAT22504, GAT22530, GAT22539, GAT22544, GAT22546, GAT22547, GAT22549, GAT22550, GAT22552, GAT22558, GAT22560, GAT22564, GAT22565, GAT22572, GAT22573, GAT22574, GAT22575, GAT22577, GAT22579, GAT22584, GAT22586, GAT22590, GAT22603, GAT22605, GAT22607, GAT22608, GAT22610, GAT22611, GAT22612, GAT22901, GAT22902, GAT22905, GAT22906, GAT22921, GAT22923, GAT22924, GAT22925, GAT22926, GAT22927, GAT22931, GAT22935, GAT22936, GAT22937, GAT22938, GAT22943, GAT22944, GAT22946, GAT22948, GAT22954, GAT22955, GAT22959, GAT22960, GAT22962, GAT22963, GAT22964, GAT22987, GAT22988, GAT22989, GAT22990, GAT22991, GAT2411, GAT2412, GAT2413, GAT2414, GAT24797, GAT24903, GAT24904, GAT24905, GAT24906, GAT24907, GAT24909, GAT24910, GAT24911, GAT24913, GAT24921, GAT24922, GAT24923, GAT24924, GAT24925, GAT24926, GAT24929, GAT24930, GAT24931, GAT24933, GAT24934, GAT24939, GAT24940, GAT24941, GAT24942, GAT24943, GAT24944, GAT24945, GAT24947, GAT24948, GAT24949, GAT24950, GAT24951, GAT24952, GAT24953, GAT24954, GAT24955, GAT24956, GAT24957, GAT24958, GAT24962, GAT24965, GAT24966, GAT24970, GAT24971, GAT24973, GAT24974, GAT24975, GAT24981, GAT24983, GAT24986, GAT25304, GAT25306, GAT25307, GAT25322, GAT25323, GAT25324, GAT25343, GAT25345, GAT25380, GAT25386, GAT25387, GAT25388, GAT25389, GAT25390, GAT25391, GAT25393, GAT25394, GAT25395, GAT25396, GAT25397, GAT25398, GAT2541, GAT25414, GAT25415, GAT25417, GAT25423, GAT25429, GAT25438, GAT25439, GAT25441,

GAT25446, GAT25447, GAT25448, GAT25449, GAT25450, GAT25461, GAT25465, GAT25507, GAT25508, GAT25509, GAT25516, GAT25524, GAT25527, GAT25536, GAT25542, GAT25553, GAT25557, GAT25559, GAT25562, GAT25563, GAT25564, GAT25567, GAT25568, GAT25571, GAT25572, GAT25593, GAT25594, GAT25598, GAT25609, GAT25620, GAT25621, GAT25655, GAT25680, GAT25681, GAT25684, GAT25685, GAT25686, GAT25688, GAT25689, GAT25691, GAT25692, GAT25721, GAT25727, GAT25730, GAT25731, GAT25733, GAT25734, GAT25738, GAT25740, GAT25741, GAT25742, GAT25743, GAT25745, GAT25746, GAT25748, GAT25749, GAT25750, GAT25751, GAT25752, GAT25755, GAT25756, GAT25757, GAT25758, GAT25759, GAT25760, GAT25761, GAT25762, GAT25763, GAT25764, GAT25766, GAT25769, GAT25770, GAT25773, GAT25774, GAT25775, GAT25776, GAT25778, GAT25779, GAT25782, GAT25792, GAT25793, GAT25796, GAT25797, GAT25800, GAT25862, GAT25863, GAT25864, GAT25865, GAT25866, GAT25867, GAT25880, GAT25887, GAT25898, GAT25900, GAT25905, GAT25911, GAT25919, GAT25922, GAT25925, GAT25926, GAT25929, GAT25930, GAT25932, GAT25933, GAT25934, GAT25941, GAT25943, GAT25945, GAT25948, GAT25949, GAT25953, GAT25959, GAT25960, GAT25961, GAT25962, GAT25963, GAT25975, GAT25977, GAT25978, GAT25979, GAT25980, GAT25981, GAT25985, GAT25994, GAT25997, GAT25998, GAT25999, GAT26003, GAT26006, GAT26007, GAT26008, GAT26009, GAT26010, GAT26011, GAT26014, GAT26030, GAT26031, GAT26032, GAT26054, GAT26055, GAT26056, GAT26063, GAT26065, GAT26067, GAT26124, GAT26129, GAT26132, GAT26135, GAT26136, GAT26137, GAT26146, GAT26152, GAT26161, GAT26181, GAT26183, GAT26184, GAT26187, GAT26188, GAT26189, GAT26190, GAT26193, GAT26194, GAT26212, GAT26221, GAT26222, GAT26228, GAT26238, GAT26239, GAT26261, GAT26262, GAT26267, GAT26280, GAT26343, GAT27003, GAT27005, GAT27006, GAT27013, GAT27014, GAT27017, GAT27018, GAT27019, GAT27023, GAT27029, GAT27030, GAT27031, GAT27034, GAT27040, GAT27045, GAT27059, GAT27062, GAT27068, GAT27089, GAT27090, GAT27091, GAT27092, GAT27113, GAT27114, GAT27117, GAT27118, GAT27119, GAT27120, GAT2

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

COMMENTS

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: Archaeological Assessment of Potential for Analysis Report*, GAT Report 1020

REPORT 1020

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.

COMMENTS

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, GAT37919, GAT37920, GAT37921, GAT37922, GAT37923, GAT37924, GAT55805

SOURCES

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

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 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

COMMENTS

CROSS REFERENCES - GAT1332, GAT14601, GAT14614, GAT1477, GAT1570, GAT16601, GAT16610, GAT1748, GAT1749, GAT18392, GAT18393, GAT18394, GAT18395, GAT18400, GAT24001, GAT24002, GAT24003, GAT24004, GAT24005, GAT24006, GAT24007, GAT25280, GAT29834, GAT29835, GAT29836, GAT29837, GAT3022, GAT3037, GAT3038, GAT31501, GAT31502, GAT31503, GAT31504, GAT31505, GAT31506, 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, GAT31545, GAT31546, GAT31547, GAT31548, GAT31549, GAT31550, GAT31551, GAT31552, GAT31553, GAT31554, GAT31555, GAT31556, GAT31557, GAT31559, GAT31566, 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, 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, GAT31681, 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, GAT3185, 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, GAT35030, GAT3567, 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, GAT421, GAT5669, GAT58755, GAT67842, GAT67844, GAT67846, GAT67847, GAT67849, GAT67851, GAT6787, GAT70619, GAT71174, GAT71176, GAT71178, GAT71180, GAT71182, GAT71184, GAT71186, GAT71188, GAT71190, GAT71192, GAT7193, GAT7248, GAT7249, GAT7285, GAT7286

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 vast. There are undoubtedly more mills of interest, and perhaps of Scheduling quality in Caernarvonshire and these can only be assessed after further documentary research and field work.

DESCRIPTION

COMMENTS

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

SOURCES

Report: Evans, R., and Burnett, A., 2012, *Medieval and Post-Medieval Mills. Scheduling Enhancement 2011-12.*

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 -

COMMENTS None

CROSS REFERENCES - GAT11090, GAT11095, GAT11097, GAT11112, GAT11368, GAT11479, GAT11525, GAT11539, GAT11542, GAT11551, GAT11576, GAT11577, GAT11603, GAT11637, GAT11682, GAT11698, GAT11741, GAT11747, GAT11752, GAT11776, GAT11849, GAT11850, GAT11851, GAT1192, 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, GAT1291, GAT1294, GAT1300, GAT1328, GAT1329, GAT1330, GAT1380, GAT1435, GAT1505, GAT1515, GAT1528, GAT1555, GAT15643, GAT1651, GAT16948, GAT17543, GAT17544, GAT17545, GAT17559, GAT17812, GAT17813, GAT17821, GAT17830, GAT18201, GAT18204, GAT18205, GAT18208, GAT18209, GAT18218, GAT18227, GAT18229, GAT18231, GAT18232, GAT1846, 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, GAT2263, GAT2270, GAT2277, GAT2280, GAT2281, GAT2282, GAT2283, GAT2365, GAT24742, GAT24772, GAT2593, 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, GAT3190, GAT331, GAT35032, GAT35033, GAT36230, GAT36261, GAT36364, GAT36693, GAT36858, GAT36861, 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, GAT37904, GAT37905, GAT37906, GAT37907, GAT37908, GAT37909, GAT37910, GAT37911, GAT37912, GAT37913, GAT37914, GAT37916, GAT37917, GAT37918, GAT37919, GAT37920, GAT37921, GAT37922, GAT37923, GAT38217, GAT3903, GAT4055, GAT4056, GAT4180, GAT4347, GAT4352, GAT4366, GAT4435, GAT5171, GAT5262, GAT5330, GAT5333, GAT5364, GAT5676, GAT56766, GAT5681, GAT56864, GAT56888, GAT5728, GAT5729, GAT57302, GAT5732, GAT5733, GAT5734, GAT5735, GAT5738, GAT57387, GAT57389, GAT57475, GAT57476, GAT57497, GAT57498, GAT58445, GAT58446, GAT58447, GAT58449, GAT59325, GAT6054, GAT6055, GAT6056, GAT6067, GAT6102, GAT6106, GAT6109, GAT61466, GAT62351, GAT62802, GAT62803, GAT62804, GAT62805, GAT62806, GAT62807, GAT62808, GAT62809, GAT62810, GAT62814, GAT62817, GAT62820, GAT62830, GAT62833, GAT62834, GAT62837, GAT62838, GAT62839, GAT62841, GAT6326, GAT6340,

GAT6342, GAT6343, GAT6344, 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, GAT6458, 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, GAT6498, GAT6499, GAT65064, GAT65065, GAT65079, GAT65092, GAT65099, GAT65104, GAT65107, GAT65120, GAT65133, GAT6514, GAT6515, GAT65206, GAT65207, GAT65232, GAT65244, GAT6537, GAT65394, GAT65396, GAT65416, GAT6625, GAT67058, 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, GAT6854, GAT6856, GAT6902, GAT6933, GAT7043, GAT7047, GAT7055, GAT7249, GAT7353, GAT7355, GAT7358, GAT8224, GAT83, GAT838, GAT935, GAT942, GAT9836, GAT9838, GAT9839, GAT9865, GAT990, GAT991, GAT992, GAT993, GAT995

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

COMMENTS

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

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 -

COMMENTS None

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 -

COMMENTS None

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 -

COMMENTS None

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

SOURCES

Report: Rees, C., & Wliiams, 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

COMMENTS ARCHAEOLOGICAL ASSESSMENT

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

COMMENTS ARCHAEOLOGICAL ASSESSMENT

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

COMMENTS None

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

SOURCES

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

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; **COMMENTS:** Any relevant comments relating to 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).

AM - 10.11.18 (15:10) - HTML file produced from GAT HER, GAT file number 1021.

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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

02.10.18



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Figure 1. Site location

Figure 2. Site location – 1km buffer area.

Summary

This Written Scheme of Investigation (WSI) details the proposal for an archaeological Desk Based Assessment and Site Visit associated with improvements to a holiday park to include the demolition of 450 chalets, create bases for 209 static caravans and 75 lodges, create site for up to 75 touring caravans and facilities block, 9 hole golf course, permissive coastal footpath and landscaping works at Hafan Y Môr, Pwllheli, centred on SH 43621 36833. 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).

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 improvements to holiday park to include the demolition of 450 chalets, create bases for 209 static caravans and 75 lodges, create site for up to 75 touring caravans and facilities block, 9 hole golf course, permissive coastal footpath and landscaping works at Hafan Y Môr, Pwllheli, centred on SH 43621 36833 (Figure 1 and 2). 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).

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 to the northwest of Hafan Y Môr Holiday Park, and measures approximately 1.15 hectares. The site is bounded to the east by sewage works, to the north by an open field, to the south by caravan plots and an electrical substation, and to the west by the Cambrian train line. 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 caravans, and will include the laying out of roads to service the caravans.

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

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

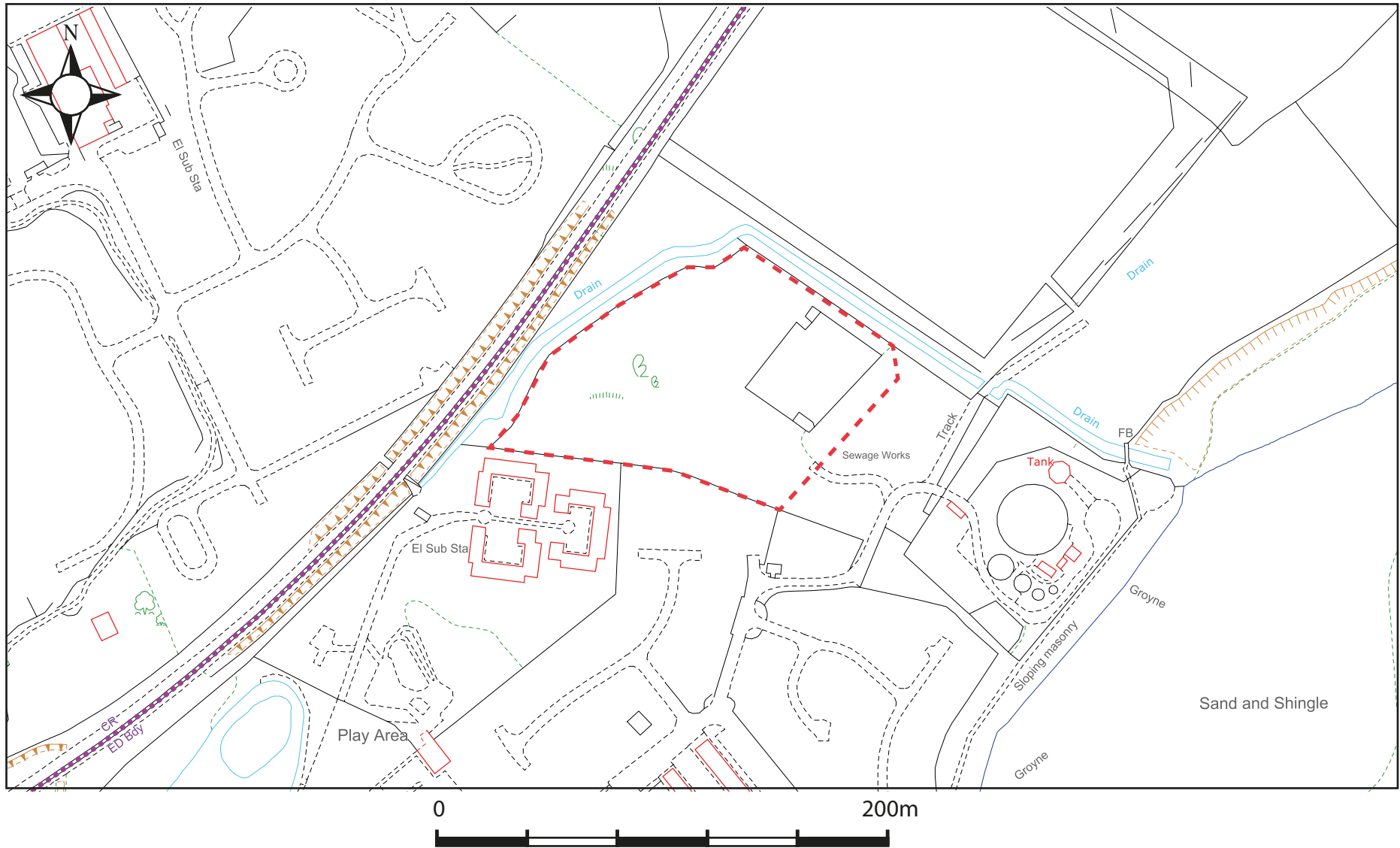
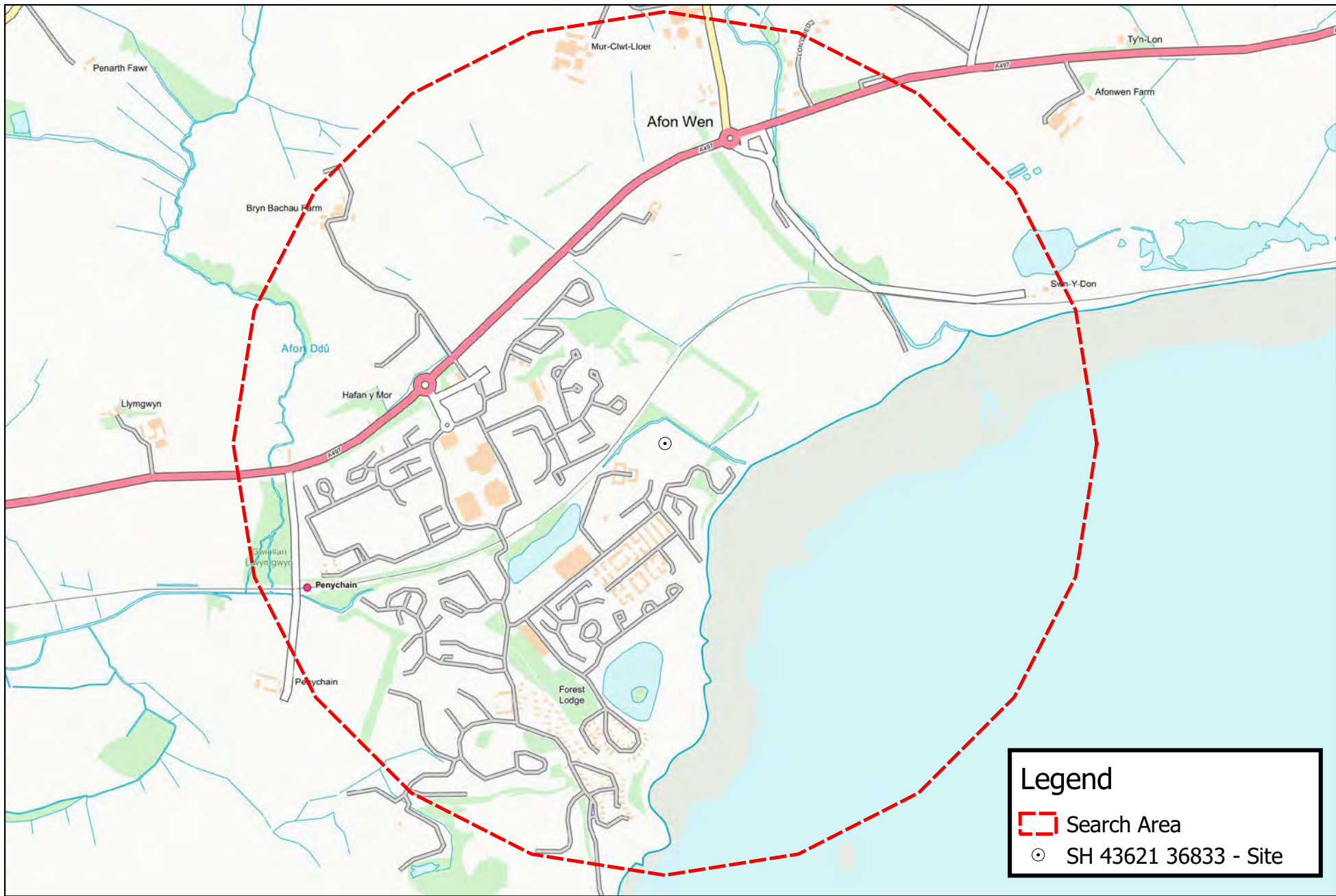
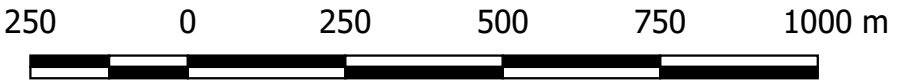


Figure 1. Location of study area (marked in red).



Legend

-  Search Area
-  SH 43621 36833 - Site



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