

Desk-based Assessment:

National Slate Museum, Gilfach Ddu, Gwynedd

July 2024



Report No. 2293

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Contents

1. Introduction.....	8
2. Site Location.....	9
3. Methodology	9
4. Archaeological and Historical Background	14
5. Map regression	40
6. Aerial photographs and LiDAR	47
7. Site visit.....	49
8. Impact Assessment.....	50
9. Conclusions	59
10. Mitigation.....	59
11. Sources.....	64
Figures.....	69
Plates.....	90
Appendix I: Gazetteer of sites on regional HER.....	101
Appendix II: Gazetteer of newly identified sites	176
Appendix III: Written Scheme of Investigation	194
Appendix IV: Data Management Plan	210
Figures	
Figure 1: Site location	70
Figure 2: Location of National Slate Museum.	71
Figure 3: The extent of The Slate Landscape of Northwest Wales World Heritage Site, Component Part 2: Dinorwig Quarry Slate Mountain Landscape, within the 2km search area.....	72
Figure 4: Registered Historic Landscape within search area and associated Registered Parks and Gardens.....	73
Figure 5: Location of Fachwen Woods – Historic Landscape Characterisation Area....	74
Figure 6: Scheduled monuments within search area.	75

Figure 7: Listed Buildings within search area.	76
Figure 8: Historic Environment Records within search area.	77
Figure 9. Detail of 1777 Vaynol Estate Survey, approximately georeferenced.	78
Figure 10. Detail of 1832 Vaynol Estate Survey, approximately georeferenced.	79
Figure 11. Detail of the 1839 Tithe map, Map of the parish of Llanddeiniolen in the County of Carnarvon, approximately georeferenced.	80
Figure 12. Detail of Vaynol Estate survey, probable date 1869, approximately georeferenced.	81
Figure 13: First Edition Ordnance Survey County Series, Carnarvonshire XVI.8, 1889.	82
Figure 14: Second Edition Ordnance Survey County Series, Carnarvonshire XVI.8, 1900	83
Figure 15: Ordnance Survey County Series, Carnarvonshire XVI.8, 1914.	84
Figure 16: Ordnance Survey SH5860-5960, 1975.	85
Figure 17: Aerial photograph – OS1973	86
Figure 18: LiDAR 1m DTM – Hillshade.	87
Figure 19: Existing layout	88
Figure 20: Proposed layout showing the locations of the newly identified sites	89

Plates

Plate 1. National Slate Museum, façade and common ground. View south.	91
Plate 2. National Slate Museum entrance. View south.	91
Plate 3. General view of inner yard. View south.	92
Plate 4. Inner yard, with crane NSM03. View southwest.	92
Plate 5. Inner yard, detail of wagons. View southeast.	93
Plate 6. Inner yard, coal storage NSM01 on background. View northeast.	93
Plate 7. Inner yard. View north-northeast toward site entrance.	94
Plate 8. Rear yard, crane NSM07 on background. View south-southeast.	94
Plate 9. Rear yard, wheel pit (CN163) to the left of the image. View north-northwest.	95
Plate 10. Rear yard, with wheel pit (CN163) and crane NSM07.	95

Plate 11. Coal store – NSM01. View west.....	96
Plate 12. Oil crane – NSM02. View north-northeast.....	96
Plate 13. View of slate water tank. View west.....	97
Plate 14. Crane – NSM07. View west.....	97
Plate 15. Drying shed – NSM08. View south.....	98
Plate 16. Waterwheel (CN163). View west.	98
Plate 17. Hafod Owen Winding Engine (CN163). View west-northwest.....	99
Plate 18. Locomotive shed (CN163). View north-northwest.	99
Plate 19. Roof of Gilfach Ddu, including the red brick waterwheel housing, visible from Castell Dolbadarn. View north.....	100

Tables

Table 1. Assessment criteria.....	13
Table 2: Scheduled Monuments within 2km search area.....	18
Table 3: Listed Buildings within the 2km search area.....	24
Table 4: Identified sites of archaeological/historical interest.....	31
Table 5: New sites identified during the site visit only.....	50
Table 6. Complete list of new sites identified through the DBA works.....	58

Summary

In June 2024, Archaeology Wales Ltd was commissioned by AtkinsRéalis to carry out an archaeological desk-based assessment and site visit ahead of the proposed refurbishment of the National Slate Museum and associated works to create an Interpretation Hub for The Slate Landscape of Northwest Wales World Heritage Site at the National Slate Museum, Gilfach Ddu LL55 4TY.

*The site sits within The Slate Landscape of Northwest Wales - Dinorwig Slate Quarry Mountain Landscape World Heritage Site (UNESCO Ref No. 1633), and the Registered Historic Landscape of Dinorwic – HLW (Gw) 6. Both of these historic landscapes are assessed to have a **Very High** value. Due to the nature and locations of the proposed new buildings they are unlikely to change the character of the site and so are considered to result in a **Negligible** impact.*

*There is one Scheduled Monument within the bounds of the site, the Waterwheel and housing (CN163). This SM consists of two further monuments, the Locomotive Shed and the Hafod Owen Winding Engine, both of which are located outside the Gilfach Ddu workshop. The waterwheel and its slate housing are assessed to have a **Very High** value. The proposed changes are unlikely to change the character of the site and so are considered to result in a **Minor** impact.*

*The Gilfach Ddu workshop is a Grade I Listed Building (LB 22656). The listing document states that the character of the buildings is distinctive and unique and is assessed to have a **Very High** value. The proposed new buildings will impact the historic fabric of the existing building as well as impacting its setting. The new shop and café structures are likely to have positive impacts upon the setting as the new designs are more in keeping with the aesthetic of the Gilfach Ddu workshop. The proposed new drainage system will have limited impact upon the historic fabric of the building itself, where new drains are being run from inside some of the workshops into the courtyards. Considering all of these impacts together, it is thought that they will cumulatively have a **Moderate** impact upon the building, with some elements having a beneficial impact.*

*There are 117 heritage assets listed within 500m of the proposed development site. Within the bounds of the site there are six assets: the Dinorwic Workshop Complex (PRN 2442; NPRN 40559 and 93634; LB 22656), the waterwheel and its pit (PRN 67127, 34495, NPRN 33618, SM CN163), the Pelton Wheel (NPRN 33613), the Blacksmith's Shop (NPRN 41155), the southern courtyard (PRN 90269), and the Dinorwic Quarry Railway (PRN 59324; NPRN 414847). It is considered that there will a **Moderate** to **Major** impact on Dinorwic Quarry Railway and a **Negligible** impact on the remaining assets.*

*During the works as part of the desk-based assessment seventeen new sites were identified. The proposed works will have an impact upon all of the new assets within the proposed development area, particularly 1 to 6, 12 and 17, which are all within the inner courtyard, and 7 to 11 and 15 which are all within the rear courtyard. The impact on the new assets within the development area is considered to be **Minor**.*

The impacts to the fabric of the Listed Building can be mitigated through the undertaking of a Building Recording and watching brief during any disturbance to the above ground or below ground structure. Prior to providing final mitigation it is recommended that the below ground archaeology is evaluated This will allow a better understanding of the presence or absence of sub-surface archaeological features and deposits as well as the depth and nature of the archaeology encountered. Further mitigation following the evaluation is likely to be required by means of a watching brief or possible targeted Strip Map Excavation.

Crynodeb Annechnegol

Ym mis Mehefin 2024, comisiynwyd Archaeology Wales Cyf gan AtkinsRéalis i gynnal asesiad desg archeolegol ac ymweliad safle cyn y gwaith arfaethedig i adnewyddu'r Amgueddfa Lechi Genedlaethol a'r gwaith cysylltiedig i greu Canolfan Ddadansoddi ar gyfer Safle Treftadaeth y Byd Tirwedd Llechi Gogledd Orllewin Cymru yn yr Amgueddfa Lechi Genedlaethol, Gilfach Ddu LL55 4TY.

*Mae'r safle wedi'i leoli o fewn Tirwedd Llechi Gogledd Orllewin Cymru - Safle Treftadaeth y Byd Tirwedd Fynyddig Chwarel Lechi Dinorwig (UNESCO Rhif cyfeirnod 1633), a Thirwedd Hanesyddol Gofrestredig Dinorwig - HLW (Gw) 6. Aseswyd bod gwerth **Uchel iawn** i'r naill dirwedd hanesyddol a'r llall. Oherwydd natur a lleoliadau'r adeiladau newydd arfaethedig, maent yn annhebygol o newid cymeriad y safle ac felly ystyrir y byddant yn cael effaith **Ddibwys**.*

*Ceir un Heneb Gofrestredig o fewn ffiniau'r safle, yr olwyn ddŵr a'i hadeilad (CN163). Mae'r heneb yn cynnwys dwy heneb arall, y Sied Locomotif ac Injan Weindio Hafod Owen, y mae'r naill a'r llall wedi'u lleoli y tu allan i weithdy Gilfach Ddu. Aseswyd bod gwerth **Uchel iawn** i'r olwyn ddŵr a'i Hadeilad Llechi. Mae'r newidiadau arfaethedig yn annhebygol o newid cymeriad y safle ac felly ystyrir o ganlyniad i hynny y byddant yn cael effaith **Fach**.*

*Mae gweithdy Gilfach Ddu yn Adeilad Rhestredig Gradd II (LB 22656). Mae'r ddogfen restru'n nodi bod cymeriad yr adeiladau'n neilltuol ac unigryw ac aseswyd bod gwerth **Uchel iawn** iddynt. Bydd yr adeiladau newydd arfaethedig yn effeithio ar sylfaen hanesyddol yr adeilad presennol yn ogystal â'i leoliad. Mae'n debygol y bydd strwythurau'r siop a'r caffin cael effeithiau cadarnhaol ar y lleoliad gan fod y dyluniadau newydd yn fwy cydnaws ag ymddangosiad gweithdy Gilfach Ddu. Bydd y system ddraenio newydd arfaethedig yn cael effaith gyfyngedig ar sylfaen hanesyddol yr adeilad ei hunan, gan fod y draeniau newydd yn rhedeg o'r tu mewn i rai o'r gweithdai i'r cyrtiau. O ystyried yr effeithiau hyn gyda'i gilydd, credir y byddant yn cael effaith **Gymedrol** ar yr adeilad, a bydd rhai o'r elfennau'n cael effaith fuddiol.*

*Roedd 117 o asedau treftadaeth wedi'u cofrestru o fewn 500m o'r safle datblygu arfaethedig. O fewn ffiniau'r safle, ceir chwe ased: Adeiladau Gweithdy Dinorwig (PRN 2442; NPRN 40559 a 93634; LB 22656), yr olwyn ddŵr a'i phwll (PRN 67127, 34495, NPRN 33618, SM CN163), Olwyn Pelton (NPRN 33613), Siop y Gof (NPRN 41155) a'r cwrt deheuol (PRN 90269) ac Rheilffordd y chwarel Dinorwic (PRN 59324; NPRN 414847). Ystyrir y bydd effaith **Cymedrol** i **Fawr** ar Reilffordd Chwarel Dinorwig ac effaith **Ddibwys** ar weddill yr asedau..*

Yn ystod y gwaith fel rhan o'r asesiad desg, nodwyd 17 o safleoedd newydd. Bydd y

*gwaith arfaethedig yn cael effaith ar bob un o'r asedau newydd hyn o fewn yr ardal ddatblygu arfaethedig, yn enwedig 1 i 6, 12 a 17, sydd oll o fewn y cwrt mewnol, a 7 i 11 a 15 sydd oll o fewn y cwrt cefn. Bydd yr effaith ar yr asedau newydd o fewn yr ardal ddatblygu yn **Fach**.*

Gellir lliniaru'r effeithiau ar sylfaen yr Adeilad Rhestredig drwy gynnal briff Cofnodi a Gwyllo Adeiladau yn ystod unrhyw waith o ymyrryd ar y strwythur uwchlaw'r tir neu oddi tano. Cyn darparu gwaith lliniaru terfynol, argymhellir bod yr archeoleg islaw'r tir yn cael ei gwerthuso. Bydd hyn yn caniatáu dealltwriaeth well o bresenoldeb neu ddiffyg presenoldeb nodweddion a gwaddodion archeolegol islaw'r wyneb yn ogystal â dyfnder a natur yr archeoleg a ganfyddir. Mae'n debygol y bydd angen mwy o waith lliniaru yn dilyn y gwerthusiad drwy gynnal briff gwyllo neu Waith Cloddio Map Llain posibl wedi'i dargedu.

1. Introduction

- 1.1.1. In June 2024 Archaeology Wales Ltd (henceforth – AW) was commissioned by AtkinsRéalis to carry out an archaeological desk-based assessment (DBA) and site visit ahead of the proposed refurbishment of the National Slate Museum and associated works to create an Interpretation Hub for The Slate Landscape of Northwest Wales World Heritage Site at the National Slate Museum, Gilfach Ddu LL55 4TY, United Kingdom – National Grid Reference SH 58542 60248 (Figure 1-2).
- 1.1.2. The primary objective of this DBA is to assess the potential 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 heritage/archaeological significance of the site to elucidate the presence or absence of heritage/archaeological material, its character, distribution, extent, condition and relative significance.
- 1.1.3. The purpose of the desk-based assessment, which is detailed in the following report, is to provide Heneb Gwynedd Archaeological Trust Planning Services (henceforth – Heneb GAPS), in their capacity as advisors to the local planning authority, Gwynedd County Council (GCC), with the information they are likely to request in respect of the proposed development, the requirements, which are set out in Planning Policy Wales (Edition 12, February 2024), Section 6.1 and Technical Advice Note (TAN) 24: The Historic Environment (2017).
- 1.1.4. This report will also provide information to Cadw to allow them to manage change without adverse effect to the Outstanding Universal Value of the WHS in line with Managing Change in World Heritage Sites in Wales (Cadw 2017)

which supplements the relevant sections of Planning Policy Wales (Edition 12, February 2024), Section 6.1 and Technical Advice Note (TAN) 24: The Historic Environment (2017).

- 1.1.5. All work will conform to the *Standard and Guidance for Archaeological Desk Based Assessment* (CIfA, 2020).

2. Site Location

- 2.1.1. The National Slate Museum is located in Gilfach Ddu, Gwynedd, in North Wales, near the foot of Yr Wyddfa (Snowdon) - LL55 4TY, NGR SH 58548 60281 (Figure 1-2). The museum is contained within the workshops of the former Dinorwic Slate Quarry and is essential to the preservation and display of the slate industry of Wales. The proposed development is located within the boundaries of the National Slate Museum and includes the open area to the north and the rear yard.
- 2.1.2. The underlying geology consists of the Llanberis Slates Formation, composed of mudstone and siltstone. This sedimentary bedrock was formed between 526 and 508 million years ago, during the Cambrian period (BGS 2024).

3. Methodology

3.1. Policy Context

- 3.1.1. The relevant national and local planning policies are:
- Historic Environment (Wales) Act, 2016;
 - Ancient Monuments and Archaeological Areas Act, 1979;
 - Planning (Listed Buildings and Conservation Areas) Act, 1990;
 - Planning Policy Wales (Edition 12, 2024) Section 6.1;

- Technical Advice Note (TAN) 24: The Historic Environment, 2017;

3.2. Best practice and guidance

3.2.1. This assessment has been produced in line with the following guidance:

- Setting of historic assets in Wales (Cadw, 2017);
- Conservation principles for the sustainable management of the historic environment in Wales (Conservation Principles) (Cadw, 2011);
- Standard and guidance for historic environment desk-based assessment (CIfA, 2020);
- Guidance on Heritage Impact Assessments for Cultural World Heritage Properties (ICOMOS, 2011);
- Guidance and Toolkit for Impact Assessments in a World Heritage Context (UNESCO/ICCROM/ICOMOS/IUCN, 2022);
- Principles of Cultural Heritage Impact Assessment in the UK, IEMA, IHBC and CIfA, July 2021; and,
- Research Framework for the Archaeology of Wales (2017).

3.3. Study areas

3.3.1. Study areas for both designated and non-designated assets were established to ensure the inclusion of appropriate data to understand the historic environment character of the area and its archaeological potential.

3.3.2. In agreement with Heneb GAPS and Cadw, data for all designated heritage assets was obtained for the proposed development area and a surrounding 2km buffer area. A 500m study area was agreed for non-designated sites (see Appendix III – Garcia Rovira 2024).

3.4. Data sources

3.4.1. The work includes an assessment of regional context within which the heritage and archaeological evidence resides and aims to highlight any relevant research issues within national and regional research frameworks.

3.4.2. This report aims to provide information of sufficient detail to allow informed

planning decisions to be made which can safeguard the heritage and archaeological resource.

3.4.3. 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.

3.4.4. This assessment considers the following:

- a) The nature, extent, and degree of survival of archaeological sites, structures, deposits, and landscapes within the study area through assessment of various readily available primary sources:
 - Collation and assessment of all relevant information held in the regional HER, within a 0.5km buffer zone around the proposed development area.
 - Collation and assessment of the impact on all Designated archaeological sites (Scheduled Ancient Monuments, Listed Buildings, Historic Parks & Gardens, landscapes, Conservation Areas) within 2km buffer zone around the proposed development area.
 - Assessment of all available excavation reports and archives including unpublished and unprocessed material affecting the site and its setting.
 - Assessment of aerial photographic and satellite imagery evidence.
 - Assessment of archive records held at the County Archive, the National Library of Wales (NLW) and the Royal Commission on Ancient and Historical Monuments in Wales (RCAHMS).
- b) The significance of any remains in their context both regionally and nationally and in light of the findings of the desk-based assessment.
- c) The history of the site.
- d) The potential impact of any proposed development on the setting of known sites of heritage and archaeological importance.

- e) The potential for further heritage and archaeological remains to be present, which have not been identified in pre-existing archaeological records.
- f) The potential for further work, with recommendations where appropriate for a suitable investigative and/or mitigation methodology.

3.5. Criteria for assessing asset value and impacts

3.5.1. The heritage value (also referred to as significance) of the assets has been assessed using the heritage values set out in *Conservation Principles* (Cadw, 2011). These consider the various aspects and attributes that give value to a heritage asset, and are:

- **Evidential value.** The physical remains or surviving historic fabric that can provide information about the asset's date, construction, and changes over time.
- **Historical value.** This could derive from an association with a notable individual or event, or it from being an illustrative example of a certain type of asset or aspect of past life.
- **Aesthetic value.** Significance originates from the asset's appearance, such as its form, style, and/or setting, and can be designed or fortuitous.
- **Communal value.** The meaning of a heritage asset to individuals. This could be social, symbolic, spiritual, and/or economic and can change over time.

3.5.2. The assessment criteria utilised are provided in Table 1 below. The criteria broadly align with those used to assess heritage asset value in both the ICOMOS 2011 *Guidance on Heritage Impact Assessments for Cultural World Heritage Properties* and Highways England 2007 *Design Manual for Roads and Bridges*.

3.5.3. Heritage value has been assessed as Very High, High, Medium, Low, or Negligible. Some elements of heritage value are subjective, and the determination of an asset's value is a professional judgement made in relation to *Conservation Principles* (Cadw, 2011) utilising all available information about the asset.

3.5.4. Designated assets (Listed Buildings, Scheduled Monuments, and Registered Parks and Gardens) will have High or Very High value, as they have already been assessed to meet the national criteria for designation. Assets categorised as of Very High value are of exceptional interest and international importance.

3.5.5. Non-designated assets are likely to be assessed as of Medium, Low or Negligible value. However, a professional judgement could be made that a non-designated asset is of equivalent significance to a designated asset in the course of the assessment, resulting in a higher value attribution.

Table 1. Assessment criteria

Value	Description
Very high	Assets of acknowledged international value. Assets that strongly convey the outstanding universal value of the WHS.
High	Nationally designated assets. Assets that contribute to national research objectives.
Medium	Assets that contribute to regional research objectives. Assets with lower levels of preservation.
Low	Assets of local importance. Includes locally listed buildings and assets of limited value or poor preservation.
Negligible	Assets with little surviving archaeological, architectural, or historic interest.
None	Assets with no heritage interest or value.

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

- **Major** (change to most or all key heritage/archaeological materials, such that the resource is totally altered; comprehensive changes to setting);
- **Moderate** (changes to many key heritage/archaeological materials,

such that the resource is clearly modified; considerable changes to setting that affect the character of the asset);

- **Minor** (changes to key heritage/archaeological materials, such that the asset is slightly altered; slight changes to setting);
- **Negligible** (very minor changes to heritage/archaeological materials, or setting);
- **No Change**

3.5.7. This work conforms to the *Standard and Guidance for Archaeological Desk-Based Assessment*, as produced by the Chartered Institute for Archaeologists (CIfA 2020).

4. Archaeological and Historical Background

4.1. Previous archaeological studies

- 4.1.1. There are 29 previous archaeological studies recorded on the HER within a 0.5km study area of the proposed development. Studies within or close to the site with relevant results are summarised below. These can be classified into works focused on the study of the slate quarrying tradition in Gwynedd and on the mitigation and restoration projects conducted over time within the National Slate Museum.
- 4.1.2. In 1994, Gwynedd Archaeological Trust produced a desk-based assessment focusing on the identification and recoding of slate quarries and quarrying landscapes in Gwynedd (PRN 40138). This work was followed by a Cadw funded project aimed at assessing the archaeological remains of slate quarrying in Gwynedd (PRN 44419).
- 4.1.3. In 2014, Gwynedd Archaeological Trust carried out a desk-based assessment ahead of the UK shortlist for the World Heritage Sites (WHS) submitted by UNESCO. The work focused on the transport infrastructure which underpinned

the industrial landscapes, and how they linked inland slate quarries to the coast (PRN 45028).

- 4.1.4. In 2017, the Royal Commission on the Ancient and Historic Monuments of Wales and Govannon Consultancy were commissioned by the Gwynedd Archaeological Trust to create a document detailing the features of slate transport routes, supporting the Slate Industry of North Wales World Heritage nomination and improving historical records (PRN 45088).
- 4.1.5. Between 2016 and 2018, the Gwynedd Archaeological Trust (GAT) received a grant from Cadw to examine four quarries in the largest WHS-nominated areas: Penrhyn, Dinorwic, Nantlle, and Ffestiniog. This work involved updating existing site information and creating new records for previously un-surveyed areas (PRN 45330).
- 4.1.6. In 1997, Gwynedd Archaeological Trust conducted excavation, topographic survey, and recording of the V2 incline at Vivan Quarry, Llanberis, in preparation for and during restoration works to open the site as a working exhibit as part of the National Slate Museum (PRN 40443-4).
- 4.1.7. In 2000, the Gwynedd Archaeological Trust oversaw the restoration of the Vivian V2 incline, which included the development of the rear yard of the former Dinorwic Quarry Workshops (PRN 40517).
- 4.1.8. In 2003, the Gwynedd Archaeological Trust conducted a measured survey of the swivel crane at the Llanberis Slate Museum to facilitate its repair and conservation efforts (PRN 40625).
- 4.1.9. In December 2023, Archaeology Wales Ltd was commissioned to undertake an Archaeological Watching Brief within the grounds of the National Slate Museum during ground investigation works. The watching brief confirmed the position of the nine exploratory holes, and monitored the soakaways and hand

dug pits. The results largely evidenced the quarry waste upon which the former Dinorwic slate quarry workshops were built. The remains of a wall were seen in Soakaway SA02. The examination of historic maps indicated that the wall may have been a boundary/retainer wall belonging to a drag cart road evident on the tithe map (Morrison 2023), or it may belong to a structure evident on the 1914 Ordnance Survey map.

4.2. The Historic Landscape

- 4.2.1. The development area is within the Slate Landscape of Northwest Wales - Dinorwig Slate Quarry Mountain Landscape World Heritage Site (UNESCO Ref No. 1633). The WHS is formed of six areas, which together represent an outstanding example of an industrial landscape that was profoundly shaped by the quarrying and mining of slate. These quarries and mines served not only a national market but also an international one, with the roofing slates and architectural slabs produced in these quarries being transported around the world.
- 4.2.2. The Dinorwig Slate Quarry Mountain Landscape area of the WHS covers an area of 1253 hectares within the Snowdon massif, with the site being located just within the southern boundary (Figure 3). This section of the WHS is dominated by the huge workings of the Dinorwic Slate Quarry, which includes stepped galleries, huge waste tips and processing areas which rise up to 500m above the valley floor. The quarry expanded rapidly throughout the 19th century, becoming the second largest slate quarry in the world (Anon 2020).
- 4.2.3. The site lies within the Registered Historic Landscape of Dinorwic – HLW (Gw) 6 - which is a Landscape of Outstanding Historic Interest (Figure 4). Cadw's official listing (Cadw 2001) describes the landscape as summarised below.
- 4.2.4. The Dinorwig Valley, also known as Nant Peris, lies on the northwest side of the Snowdonian massif, featuring steep, glaciated edges and dominated by

the towering summit of Snowdon. Late prehistoric and medieval land use evidence persists alongside extensive 19th and 20th-century slate quarries, settlements, and transport infrastructure, largely due to the influence of the Vaynol Estate.

- 4.2.5. The area's late prehistoric landscape is somewhat obscured by later agricultural activities, but substantial Iron Age sites like Dinas Dinorwig remain, alongside traces of destroyed settlements and field systems. Dolbadarn Castle, constructed in the 13th century, overlooks Llyn Padarn and Llyn Peris, reflecting its historical importance as a stronghold and later as a subject for artists celebrating its scenic beauty.
- 4.2.6. The 19th-century witnessed significant industrial development driven by slate quarrying, notably the Dinorwig quarries, which left a lasting impact on the landscape. The decline of the slate industry and subsequent disputes led to the eventual dissolution of the Vaynol Estate in 1967, followed by the closure of the quarries in 1969.
- 4.2.7. In the late 1970s and early 1980s, part of the Dinorwig complex became home to the Dinorwig hydro-electric pumped storage power scheme, minimizing the physical impact on the landscape by locating infrastructure underground.
- 4.2.1. No Registered Park or Garden is located within the proposed development area or the search area. Three Registered Parks and Gardens are located within the wider Registered Historic Landscape of Dinorwig – HLW (Gw) 6: Vaynol PGW(Gd)52(GWY), Plas Newydd PGW(Gd)48(ANG), and Bryn Bras Castle PGW(Gd)41(GWY). The latter is located 4.6km northwest of the development area, whilst the other two are more than 10km north of the proposed development.
- 4.2.2. The development area is located within the Fachwen Wood Historic Landscape

Characterisation Area (Figure 5). The area features a mix of 19th-century plantations and older woodlands, with scattered dwellings mainly for quarry families. Industrial development started in the late 18th century, including slate quarries and a woollen mill, with supporting transport infrastructure like roads and railways (<https://www.heneb.co.uk/hlc/arfon/arfon2.html>). Key characteristics include:

- Industrial Structures: Remnants of quarries and industrial buildings, some derelict and some part of visitor attractions.
- Padarn Country Park: Includes the Welsh Slate Museum and other quarry-related features, such as inclines and the quarry hospital.
- Vaynol Estate Influence: Evident in the management and quality of woodlands and buildings.

4.3. Scheduled Monuments

- 4.3.1. Scheduled Monuments (SMs) are sites of national importance and have statutory protection under the Ancient Monuments and Archaeological Areas Act 1979. One Scheduled Monument lies within the site: Dinorwic Quarry: Hafod Owen Winding Engine, Locomotive Shed, Main Waterwheel and Housing (CN163).
- 4.3.2. Within the wider 2km search area there are five other SMs (Figure 6; Table 22), of which one is prehistoric, one is medieval and three are post-medieval in date.

Table 2: Scheduled Monuments within 2km search area

SAM Number	Name	Period
CN198	Vivian Slate Quarry, Inclines, Walia & associated structures	Post Medieval/Modern
CN288	Hut Circle Settlement and Rectangular Hut North of Hebron Station	Prehistoric

SAM Number	Name	Period
CN066	Castell Dolbadarn	Medieval
CN163	Dinorwic Quarry: Hafod Owen Winding Engine, Locomotive Shed, Main Waterwheel and Housing	Post Medieval/Modern
CN177	Dinorwic Quarry Barracks 'A' Incline	Post Medieval/Modern
CN337	Dinorwic Quarry	Post Medieval/Modern

- 4.3.3. Dinorwic Quarry: Hafod Owen Winding Engine, Locomotive Shed, Main Waterwheel and Housing (CN163) is comprised of three elements, which all formed part of the slate quarry prior to its closure. The first is the waterwheel and its housing, which are located to the south of the museum buildings. The waterwheel is an iron suspension wheel and was erected in 1870 to power the machinery within the quarry. It remained in use until 1926 when it was replaced by a Pelton wheel (Cadw, 2001).
- 4.3.4. The second element is the locomotive shed, to the north-east of the museum buildings, which is the original locomotive shed serving the quarry. The shed is also a Grade II listed building (LB 22657). This second element also includes the adjacent yard, track and a castellated tunnelled entrance.
- 4.3.5. The third element is the Hafod Owen Winding Engine shed, which is to the north-west of the main building. The building is not in situ, having been dismantled and reconstructed at the present location in order to preserve it. The engine house was originally part of the structures within the Dinorwic Slate Quarry.
- 4.3.6. To the east of the museum buildings is the Dinorwic Quarry Barracks 'A' Incline (CN177), which consists of two elements. The incline was used to bring slate down hill from the quarry to the workshops. The incline is split into three

sections, each with a brake drum house at the top. The lowest brake drum house is a Grade II listed building (LB 22653). The second element of the SM is the Quarry Workers Barracks, which are also a Grade II Listed Building(s) (22654). The barracks are located at the upper end of the incline and consist of two rows of buildings, each split into twelve units. The buildings are also known as the Anglesey Barracks and were built for the workers from Anglesey who stayed in the quarry during the working week (Haslam et al. 2009).

- 4.3.7. To the north of the museum buildings is the Vivian Slate Quarry, Inclines, Walia and associated structures (CN198). The monument consists of six levels terraced into the hillside, each opening onto a level on the quarry face. On Levels 1 to 4 and Level 6 roller houses survive, with a number of walia surviving on each of the six levels. On Level 5 a circular blast shelter survives. Levels 1 to 3 and Level 6 are retained by substantial slate stone walls. The slate from the quarry faces was brought down the incline, which along with the drumhouses is a listed building (LB 22661). The incline is formed of five pitches, with four drumhouses present, which retain their drum-brakes and cabling (Cadw, 1989).
- 4.3.8. Dinorwic Quarry (CN337) is located 1.1km to the east of the National Slate Museum. The slate quarry operated from the 1787, with its owners taking over existing workings, until 1969 and was one of the two largest slate quarries in the world. Slate was brought down from the quarry faces, which had been stepped into the hillside, to workshops via the inclines. The introduction of rail transport from 1825 meant that operations could be dramatically expanded. In the 1860s the different workings within the area were unified with the slate then being brought down to the newly constructed Gilfach Ddu workshops, which is now the National Slate Museum.
- 4.3.9. The two remaining SMs are not related to later industrial use of the landscape,

dating to the medieval and prehistoric periods. The remains of Castell Dolbadarn (CN066), which is of medieval date, are located on the southern edge of the 1km search radius. The castle was constructed during the reign of Llywelyn ap Iorwerth, Prince of Gwynedd, in the 13th century. The castle was constructed to control the passes into the mountains of Snowdonia and is located on a rocky hilltop with good views down the Llanberis Pass. It fell into disuse after the conquest of Wales by Edward I although it was not completely dismantled and was later used by Owain Glyndwr to hold prisoners (Cadw, 2024).

- 4.3.10. The final SM is a Hut Circle Settlement and Rectangular Hut (CN288), which is located 1.2km to the south of the National Slate Museum. The hut circle settlement is thought to be of Iron Age or Romano-British date, while the rectangular hut is likely medieval (Cadw, 1998b).

4.4. Listed Buildings

- 4.4.1. There are 37 Listed Buildings within 2km of the site, one of which is located within the bounds of the site: two are Grade I, three Grade II* and 32 Grade II (Table 33; Figure 7).
- 4.4.2. The building within the development area is Dinorwic Slate Quarry Workshops (National Slate Museum Buildings), which is a Grade I listed building (LB 22656). The quarry was established in 1787 and became one of the largest slate quarries in the world, with an eventual output of 100,000 tons per annum. The introduction of the railways and steam locomotives helped to drive the expansion of the quarry. In 1870 a complex of workshops was opened to support the quarry. These included saw-sheds, a foundry, blacksmiths' shops, fitting shops, patternmaking shops, stores, engine sheds, a canteen and chief engineer's house. As mentioned above, the machinery within the workshops was powered by the waterwheel, located on the southern side of the building

(CN136) (Cadw, 1999).

- 4.4.3. The building has a quadrangular plan and is based around a central courtyard. Each of the ranges is split into different workshops, stores, offices, with the north range also containing the Chief Engineers house. The buildings ranges are constructed in a dignified Classical form, plan and appearance, with Gothic detailing used for the cast-iron windows. The windows were made for the structure in the on-site foundry. The character of the buildings is distinctive and unique. The building has been subject to various extensions and alterations (see Section 5).
- 4.4.4. There are a further ten Listed Buildings within the search area that form part of the quarry complex, all of which are Grade II except the Former Hospital and boundary walls (LB 4151) which is Grade II*. The hospital is located 500m to the northwest of the site. It was originally built in 1860 but opened as the Dinorwic Slate Quarry Hospital on 1876. The hospital served the workmen and their families. To the north-west is the Former Mortuary (LB 4150), which was constructed in 1906 to serve the hospital (Cadw 1989b).
- 4.4.5. Other structures include the locomotive shed (LB 22662), which is to the north-west of the museum buildings and Offis Fawr (LB 22658), just to the east of the main building. Offis Fawr was constructed in 1870 and was the company offices. The building has a veranda along the northern and eastern sides which was constructed to provide shelter for workers queuing to get their wages (Cadw 1999b).
- 4.4.6. Close to the eastern edge of the 2km search radius is Slate Dressing Mill (Australia Mill) (LB 22655), which is on the upper reaches of the Dinorwic Slate Quarry. The mill is thought to have been constructed in the late 19th century and was steam powered until 1905 when electricity was introduced into the quarry.

4.4.7. The remaining industrial buildings all form part of Scheduled Monuments and are discussed in Section 4.4. These are;

- Locomotive shed (LB 22657), which forms part of Scheduled Monument CN163
- Incline, Drumhouses and Counter Balances ('A' Incline) (LB 22653), form part of Dinorwic Quarry Barracks 'A' Incline (CN177)
- Quarry Workers Barracks (LB 22654), which also form part of Dinorwic Quarry Barracks 'A' Incline (CN177)
- Incline and Drumhouses (LB 22661), which form part of Vivian Slate Quarry, Inclines, Walia and associated structures (CN198).

4.4.8. A number of the Listed Buildings are domestic structures, which were housing for quarry workers. These include;

- Bron Elidir including surrounding wall and steps to Dinorwic Slate Quarry (LB 22663)
- Hafodty (LB 22664)
- Tanybryn (LB 22643)
- Disused cottage immediately to north-east of Maes Eilian (LB 22634)

4.4.9. A small number of other domestic structures are located within the 2km search radius, although these are not necessarily linked to the quarry and may have formed part of the agricultural landscape, such as Glandwr Cottage (LB 3766) and Ynys-wen (LB 21855).

4.4.10. Other notable Listed Buildings within the 2km search area are Waterfall Viaduct (LB 21850), Lower Viaduct (LB 21851) and Engine Shed (LB 21852), which are all form part of the Snowdon Mountain Railway, which opened in 1896.

4.4.11. The final notable Listed Building is Castell Dolbadarn, which is also a Scheduled Monument (CN066), discussed in Section 4.4.

Table 3: Listed Buildings within the 2km search area

ID	Name	Grade
3765	Royal Victoria Hotel	II
3766	Glandwr Cottage	II
3767	Ty Ucha'r Ffordd	II
4150	Former Mortuary	II
4151	Former Hospital and boundary walls	II*
21833	Church of St Padarn	II*
21841	Milestone	II
21843	Bryn Eithin	II
21846	Snowdon View	II
21847	Field Cowhouse at Ty Newydd Farm	II
21848	Capel Jerusalem with former domestic accommodation to rear	II
21850	Waterfall Viaduct	II
21851	Lower Viaduct	II
21852	Engine Shed	II
21853	Capel Coch	II*
21854	Dolbadarn Castle	I
21855	Ynys-wen	II
21858	Dolperis	II
21859	57 Stryd Fawr (High Street), Llanberis, Caernarfon	II
21860	Dolafon	II
21862	Glyn Padarn	II
21863	Entrance Lodge at Glyn Padarn	II
22634	Disused cottage immediately to north-east of Maes Eilian	II
22637	Tan y Graig	II
22642	Ty'n-fawnog	II
22643	Tanybryn	II
22653	Incline, Drumhouses and Counter Balances ('A' Incline)	II

ID	Name	Grade
22654	Quarryworkers' Barracks	II
22655	Slate Dressing Mill (Australia Mill)	II
22656	Dinorwic Slate Quarry Workshops (Welsh Slate Museum Buildings)	I
22657	Locomotive Shed	II
22658	Offis Fawr (now Woodcraft Centre)	II
22661	Incline and Drumhouses	II
22662	Locomotive Shed	II
22663	Bron Elidir including surrounding wall and steps to Dinorwic Slate Quarry	II
22664	Hafodty	II
22789	Footbridge	II

4.5. Known Archaeological Remains and Historical Development

- 4.5.1. There are 117 non-designated assets listed in the regional Historic Environment Record (HER) and the National Monuments Record (NMR) within 500m of the proposed development site (Table 4; Figure 8). Fifty-six of these assets relate to previously discussed scheduled monuments (section 4.3), and nine associated with listed buildings (section 4.4). There are six assets within the development area. These are Dinorwic Workshop Complex (PRN 2442; NPRN 40559 and 93634; LB 22656), associated waterwheel and its pit (PRN 67127, 34495, NPRN 33618, SM CN163), the Pelton Wheel (NPRN 33613), the Blacksmith's Shop (NPRN 41155) the yard (PRN 90269) to the south of the complex.
- 4.5.2. A search of artefacts recorded on the Portable Antiquities Scheme database (www.finds.org.uk) within the same search area produced no results.
- 4.5.3. The non-designated 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 – 3800 BC), Neolithic (3800 BC – 2300 BC), Bronze Age (2300 BC – 700 BC) & Iron Age (700 BC – AD 43)

- 4.5.4. There is one possible site of prehistoric date within the 500m search radius. A circular feature (PRN 91960), located on the south-eastern edge of Llanberis close to the shore of Llyn Padarn, is evident on the aerial photography. The photographs show that the feature is comprised of two parallel ditches. The date of the feature is unknown, but it is most likely to be of prehistoric or Romano-British date.
- 4.5.5. There are a number of Bronze and Iron Age sites to the south of the site, on the slopes of Yr Wyddfa. The Bronze Age site types are restricted to burnt mounds and cairns, with little evidence of settlement sites within this area. This had altered by the Iron Age with a number of hut circle settlements and defended enclosures recorded. This included Hut Circle Settlement and Rectangular Hut (CN288), although it is possible that the hut circles belong to the Romano-British period rather than the Iron Age.

Roman (AD 43 – c. AD 410)

- 4.5.6. There are no Roman sites or find spots recorded on the HER or NMR within the 500m study area.
- 4.5.7. There is very little evidence of Roman activity within the wider landscape. The mountains of Snowdonia were tightly controlled by the Roman military during the 1st and early 2nd centuries, with a ring of forts guarding the passes into the mountains. The marching camp at Pen-y-Gwryd is located 8.8km to the east, which was likely established during the campaigns of Agricola in the later 70s AD (Guest 2022).

- 4.5.8. A small number of domestic sites are known within the wider landscape, although these are located on lower lying ground to the north, with the nearest site, Caecerig Hut Group (NPRN 302672), being located 4km from the site.

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

- 4.5.9. There are no early medieval sites or find spots recorded on the HER or NMR within the 500m study area.
- 4.5.10. There is little evidence of early medieval activity within the wider landscape, with only three sites known. On the south-eastern edge of Llanberis is Parc Bach Megalithic Structure (NPRN 300841), which was partially excavated in 1976. Due to its similarity with Irish early Christian sites it is believed to have been of early medieval date, although the only evidence of occupation was 19th century when it was used as a summer house.
- 4.5.11. The two other sites are located to the north-west of Llyn Padarn and consist of unenclosed hut groups. It is not clear why these are recorded to be of early medieval date.
- 4.5.12. During the medieval period activity within the landscape increased, although only two sites of medieval date are known within the 500m search area. On the southern edge of the search area are the remains of Castell Dolbadarn (PRN 5550, NPRN 93541, LB 21854, CN066). As discussed above in Section 4.4, the castle was constructed by Llywelyn ap Iorwerth in the early 13th century and controlled the Llanberis Pass.
- 4.5.13. Ridge and furrow ploughing survives on the south-eastern shore of Llyn Padarn (PRN 5492), which is listed as unknown date but is most likely medieval, with most ridge and furrow belonging to this period. Later post-medieval mechanical ridge and furrow is known but this mechanised method created

smaller ridges than those evident (Aston 1985). The presence of ridge and furrow suggests that there was a medieval settlement within close proximity.

- 4.5.14. The Rectangular Hut (CN288), within the 2km search area is thought to be of medieval date. Further to the south there are a number of settlements of medieval date recorded on the slopes of Yr Wyddfa, which include Cwm Brwynog Deserted Rural Settlement (NPRNs 506072, 506062, 506063, CN 315). The settlement comprises the remains of nine rectangular stone long huts, a further house platform and an animal pen.

Post-Medieval (1536 – 1899) & Modern (1900 – present day)

- 4.5.15. The vast majority of the sites within the search area are of post-medieval date and relate to slate quarrying.
- 4.5.16. Quarrying began in the area in the early 1700s, with locals using outcrops at Chwarel Fawr and Allt Ddu for roofing slates. Early transport of slate was by road using pack-horses, but by 1777 a Vaynol Estate survey shows that this had been replaced by the construction of a 'drag' road from Allt Ddu initially to Llyn Peris but later to New Quay on Llyn Padarn (Gwyn, 2015). It was loaded onto rowing boats for transportation to Pen-y-Llan at the north end of Llyn Padarn, where the slates were then taken by road to Caernarfon (Jones, 2006). Within the 500m search area, c. 350m to the north-east of the site, is levelled area at the top of the steep slope, which may have been where the horses were moved from the front to the back of the carts on the downhill runs (PRN 65571).
- 4.5.17. The 1777 Vaynol Estate survey was commissioned by the estate's owner, Thomas Assheton Smith, to assess the value of his holdings and assets. He presumably recognised the potential of the existing small quarries on his land, as in 1787 he granted a 21-year lease to Dinorwic Slate Company, made up of a group of entrepreneurs, to extract slate from both Chwarel Fawr and Allt Ddu

(Jones, 2006). When the lease was up in 1808, Assheton Smith invested in the quarry himself. In 1810, he built a new road (PRN 59298) to replace the drag. Rather than using the lake, the road ran north from Allt Ddu across a sparsely occupied landscape to Y Felinheli on the Menai Straights (Gwyn, 2015). Between 1823 and 1825, a 0.6m gauge railroad was built along a similar route. It was horse-drawn, with counterbalanced inclines on steeper sections.

- 4.5.18. Although an improvement the previous road, the railroad's starting point on the higher level by Allt Ddu meant that slate quarried from lower levels had to be transported up to it. In 1840, Assheton Smith purchased Fachwen, the woodland area between Allt Ddu and Llyn Padarn. This enabled the dumping of quarry waste of Allt Ddu downslope to the lake shore, reclaiming land in the process. It also meant that Assheton Smith could now build a railway along the shore of the lake, which was opened in 1843. The Dinorwic Quarry Railway (PRN 59324; NPRN 414847), also known as Padarn Railway, was a 1.22m gauge railway. Each wagon carried four of the smaller internal 0.6m gauge railway wagons. It was initially horse drawn until the arrival of two steam locomotives in 1848 (Gwyn, 2015).
- 4.5.19. The Tithe map (Figure 11) indicates that the Dinorwic Quarry Railway initially terminated at Wellington department, just above Llyn Peris. However, the quarry's internal infrastructure underwent a significant reorganisation in the 1860s. The Dinorwic Quarry Railway terminus was moved to the present railway station, just north of Gilfach Ddu, and the area became focal point of the quarry. A tunnel was built under Glan y Bala to link the lower levels above Llyn Peris, while the 'A' incline (SM CN177) linked the higher levels. Around the same time the Vivian Slate Quarry (SM CN198) was opened and operated as a separate department of the Dinorwic complex (Anon, 2020). Incline were constructed along the north-western edge of the quarry to bring slate down

from the quarry floors. At total of 47 of the known sites within the search area form part of the Vivian quarry and include incline drumhouses (PRNs 60602, 67174, 67182 and 67188), counterbalance inclines (PRNs 67173, 67181, 67187, 67199), Gwaliau (PRNs 67167, 67178, 67183, 67191 and 67194) and a privy (PRN 67195). The Dinorwic Slate Quarry Hospital (LB 4151) was built in 1860.

- 4.5.20. The Dinorwic Workshop Complex, or Gilfach Ddu (LB 22656, PRN 2442, NPRN 93634), was opened in 1870. It was constructed on a levelling deposit of quarry waste, partially reclaimed from the lake. The building is thought to have been designed by De Winton of Caernarvon. As discussed in Section 4.4, the workshops included timber workshops, a foundry, locomotive sheds, store rooms, a caban, a blacksmiths shop, a pattern loft and the Chief Engineers House. The machinery was powered by the De Winton overshot waterwheel (CN 163, PRN 34495, NPRN 33618), on the southern side of the building (Haslam et al. 2009; Gwyn forthcoming).
- 4.5.21. By the end of the 19th century the quarry output grew to 100,000 tons per year, making it the second largest slate quarry in the world. Demand for slate declined through the 20th century, but the quarry continued in use until 1969 when it was finally closed down.
- 4.5.22. Gilfach Ddu was bought by Caernarfon County Council and the National Museum developed it into what was initially called the North Wales Quarrying Museum, now the National Slate Museum, which was opened in 1972.

Table 4: Identified sites of archaeological/historical interest

ID	Site Name	NGR	Period	Status	Status Ref
PRN 67158	Abutment, Vivian Quarry	SH58515605 30	Post Medieval		
PRN 67130	Adit, Gilfach Ddu	SH58631602 98	Post Medieval		
PRN 67169	Adit, Vivian Quarry	SH58606605 43	Post Medieval	Scheduled Monument	CN198
PRN 2441	Anglesey Quarry And 'A' Incline, Dinorwic Quarry	SH58826019	Post Medieval	Scheduled Monument	CN177
PRN 67179	Blast Shelter, Vivian Quarry	SH58623605 57	Post Medieval	Scheduled Monument	CN198
PRN 67185	Blast Shelter, Vivian Quarry	SH58607606 11	Post Medieval	Scheduled Monument	CN198
PRN 67192	Blast Shelter, Vivian Quarry	SH58646606 33	Post Medieval	Scheduled Monument	CN198
PRN 67198	Blast Shelter, Vivian Quarry	SH58695606 98	Post Medieval	Scheduled Monument	CN198
PRN 67175	Brake-Man's Hut, Vivian Quarry	SH58571605 98	Post Medieval	Scheduled Monument	CN198
PRN 60903	Brakesman's Cabin, Vivian Slate Quarry, Llanberis	SH58551605 60	Post Medieval	Scheduled Monument	CN198
PRN 67137	Bridge, Dinorwic Quarry	SH58841601 73	Post Medieval	Scheduled Monument	CN177
PRN 67154	Bridge, Vivian Quarry	SH58544605 53	Post Medieval	Scheduled Monument	CN198
PRN 67163	Bridge, Vivian Quarry	SH58312606 63	Post Medieval		

ID	Site Name	NGR	Period	Status	Status Ref
PRN 67147	Bridge, Vivian Quarry, Dinorwic Quarry	SH58627604 17	Post Medieval		
PRN 67679	Building, Dinorwic Quarry	SH58999601 78	Post Medieval		
PRN 57162	Building, SE of Dinorwic Quarry Hospital	SH58382606 71	Post Medieval		
PRN 67168	Caban, Vivian Quarry	SH58574605 65	Post Medieval	Scheduled Monument	CN198
PRN 67177	Caban, Vivian Quarry	SH58595605 85	Post Medieval	Scheduled Monument	CN198
PRN 67190	Caban, Vivian Quarry	SH58613606 74	Post Medieval	Scheduled Monument	CN198
PRN 60904	Caban, Vivian Slate Quarry, Llanberis	SH58554605 62	Post Medieval	Scheduled Monument	CN198
PRN 60905	Caban, Vivian Slate Quarry, Llanberis	SH58530605 36	Post Medieval	Scheduled Monument	CN198
PRN 5550	Castell Dolbadarn, Llanberis	SH58603597 91	Medieval	Listed Building; Scheduled Monument	LB21854; CN066
PRN 67202	Circular Blast Shelter, Vivian Quarry	SH58688606 72	Post Medieval	Scheduled Monument	CN198
PRN 91960	Circular Feature, Llanberis	SH58147601 50	Unknown		
PRN 67131	Coal Yard, Gilfach Ddu	SH58618603 51	Post Medieval	Scheduled Monument	CN163
NPRN 423539	Coed Howell Mill	SH58715602 31	Post Medieval		
PRN 67678	Cottage And Barracks, Dinorwic Quarry	SH59035602 04	Post Medieval		

ID	Site Name	NGR	Period	Status	Status Ref
PRN 67132	Counterbalance Incline A1, Dinorwic Quarry	SH58699603 46	Post Medieval	Scheduled Monument	CN177
PRN 67134	Counterbalance Incline A2, Dinorwic Quarry	SH58801602 39	Post Medieval	Scheduled Monument	CN177
PRN 67140	Counterbalance Incline A3, Dinorwic Quarry	SH59026602 27	Post Medieval	Scheduled Monument	CN177
PRN 67173	Counterbalance Incline V3, Vivian Quarry	SH58560605 82	Post Medieval	Scheduled Monument	CN198
PRN 67181	Counterbalance Incline V4, Vivian Quarry	SH58567606 26	Post Medieval	Scheduled Monument	CN198
PRN 67187	Counterbalance Incline V5, Vivian Quarry	SH58580606 66	Post Medieval	Scheduled Monument	CN198
PRN 67199	Counterbalance Incline V6, Vivian Quarry	SH58623607 27	Post Medieval	Scheduled Monument	CN198
PRN 59324 NPRN 414847	Dinorwic Quarry Railway	SH58533604 79	Post Medieval		
NPRN 23214	Dinorwic Mortuary Quarry	SH58290607 30	Post Medieval		
PRN 2442 NPRN 40559	Dinorwic Workshop Complex, Llanberis	SH58550603 00	Post Medieval	Listed Building	22656
NPRN 41155	Dinorwic Workshops, Blacksmith's Shop	SH58520602 80	Post Medieval		
NPRN 23213	Dinorwic Quarry Hospital	SH58320607 00			
PRN 60902	Drumhouse, Vivian Slate Quarry, Llanberis	SH58548605 63	Post Medieval	Listed Building; Scheduled Monument	22661;CN198
NPRN	Dinorwic Quarry Winding House	SH58833601	Post		

ID	Site Name	NGR	Period	Status	Status Ref
418944		81	Medieval		
NPRN 275726	Dinorwic Quarry Barracks and 'A' Inclines; Anglesey Barracks, Llanberis	SH5895060229	Post Medieval		
NPRN 33613	Dinorwic Pelton Wheel	SH5852060220	Post Medieval		
PRN 100581	Electric Mountain Visitor Centre, Llanberis	SH5810860058	Modern		
PRN 67146	Embankment, Vivian Quarry, Dinorwic Quarry	SH5868660420	Post Medieval		
PRN 57155	Enclosure, W Of Henty	SH5887960555	Post Medieval		
PRN 63991	Fire Queen Shed, Dinorwic Quarry Railway	SH5862460380	Post Medieval	Listed Building; Scheduled Monument	22657; CN163
PRN 57143	Footbridge, Nw Of Dolbadarn Castle	SH5848059902	Post Medieval		
PRN 57153 NPRN 26498	Glan-Y-Bala, N Of Pont Y Bala	SH5864360173	Post Medieval		
NPRN 86369	Glan-Y-Bala gardens	SH5869760166	Post Medieval		
PRN 67184	Gwal, Vivian Quarry	SH5859960636	Post Medieval	Scheduled Monument	CN198
PRN 67167	Gwaliau, Vivian Quarry	SH5856560545	Post Medieval	Scheduled Monument	CN198
PRN 67178	Gwaliau, Vivian Quarry	SH5860260567	Post Medieval	Scheduled Monument	CN198
PRN 67183	Gwaliau, Vivian Quarry	SH5858260634	Post Medieval	Scheduled Monument	CN198
PRN 67191	Gwaliau, Vivian Quarry	SH58615606	Post	Scheduled Monument	CN198

ID	Site Name	NGR	Period	Status	Status Ref
		49	Medieval		
PRN 67194	Gwaliau, Vivian Quarry	SH58663606 82	Post Medieval	Scheduled Monument	CN198
PRN 63994	Incline And Drumhouses	SH58550605 62	Post Medieval	Listed Building	22661
PRN 67133	Incline Drumhouse, Dinorwic Quarry	SH58764602 97	Post Medieval	Scheduled Monument	CN177
PRN 67135	Incline Drumhouse, Dinorwic Quarry	SH58836601 81	Post Medieval	Scheduled Monument	CN177
PRN 67174	Incline Drumhouse, Vivian Quarry	SH58568606 00	Post Medieval	Scheduled Monument	CN198
PRN 67182	Incline Drumhouse, Vivian Quarry	SH58570606 48	Post Medieval	Scheduled Monument	CN198
PRN 67188	Incline Drumhouse, Vivian Quarry	SH58590606 81	Post Medieval	Scheduled Monument	CN198
PRN 67160	Incline Sheave, Vivian V1 Incline, Vivian Quarry	SH58532605 27	Post Medieval		
PRN 67166	Incline Trwnc Dock, Vivian Quarry	SH58521605 36	Post Medieval	Scheduled Monument	CN198
PRN 67172	Incline Trwnc Dock, Vivian Quarry	SH58554605 69	Post Medieval	Scheduled Monument	CN198
PRN 67180	Incline Trwnc Dock, Vivian Quarry	SH58567606 08	Post Medieval	Scheduled Monument	CN198
PRN 67186	Incline Trwnc Dock, Vivian Quarry	SH58573606 54	Post Medieval	Scheduled Monument	CN198
PRN 63985	Incline, Drumhouses And Counter Balances ('A' Incline)	SH58762602 99	Post Medieval	Listed Building	22653
60901	Incline, Vivian Slate Quarry, Llanberis	SH58544605	Post	Listed Building;	22661; CN198

ID	Site Name	NGR	Period	Status	Status Ref
		57	Medieval	Scheduled Monument	
PRN 93627	Laa Battery, Site Of, Llanberis	SH58615981	Modern		
PRN 67151	Lean-To Against Winding House 67149, Vivian Quarry	SH58662604 19	Post Medieval		
PRN 63979	Locomotive Shed	SH58414606 16	Post Medieval	Listed Building	22662
PRN 67685	Manager's House, Dinorwic Quarry	SH58902601 92	Post Medieval	Scheduled Monument	CN177
PRN 63993	Offis Fawr, (Now Woodcraft Centre)	SH58609603 25	Post Medieval	Listed Building	22658
PRN 67682	Poss Weighbridge House, Dinorwic Quarry	SH58840601 65	Post Medieval	Scheduled Monument	CN177
PRN 67683	Privy, Dinorwic Quarry	SH58923602 22	Post Medieval	Scheduled Monument	CN177
PRN 67684	Privy, Dinorwic Quarry	SH58952602 45	Post Medieval	Scheduled Monument	CN177
PRN 67176	Privy, Vivian Quarry	SH58543606 32	Post Medieval		
PRN 67195	Privy, Vivian Quarry	SH58530606 75	Post Medieval		
PRN 64007	Quarryworkers' Barracks	SH58948602 26	Post Medieval	Listed Building	22654
PRN 67150	Railway Equipment, Vivian Quarry	SH58687604 16	Post Medieval		
PRN 67156	Railway Equipment, Vivian Quarry	SH58533605 23	Post Medieval		
PRN 67157	Railway Equipment, Vivian Quarry	SH58539605 16	Post Medieval		

ID	Site Name	NGR	Period	Status	Status Ref
PRN 67145	Railway Equipment, Vivian Quarry, Dinorwic Quarry	SH58685604 24	Post Medieval		
PRN 67138	Railway, Dinorwic Quarry	SH58869601 45	Post Medieval	Scheduled Monument	CN177
PRN 67164	Railway, Vivian Quarry	SH58415606 51	Post Medieval		
PRN 67155	Ramp ? Remains Of V1 Incline, Vivian Quarry	SH58537605 19	Post Medieval		
PRN 67170	Retaining Wall, Vivian Quarry	SH58569605 31	Post Medieval	Scheduled Monument	CN198
PRN 67204	Retaining Wall, Vivian Quarry	SH58676607 15	Post Medieval	Scheduled Monument	CN198
PRN 5492	Ridge And Furrow, Llanberis	SH582601	Unknown	Snowdonia National Park	
PRN 67152	Road, Vivian Quarry	SH58641604 06	Post Medieval		
PRN 36549	Rock Cannon, Castell Dolbadarn, Llanberis	SH58605981	Post Medieval		
PRN 36550	Rock Cannon, Castell Dolbadarn, Llanberis	SH58605982	Post Medieval		
PRN 36551	Rock Cannon, Castell Dolbadarn, Llanberis	SH58605985	Post Medieval		
PRN 36548	Rock Cannon, Parc Victoria, Llanberis	SH58455981	Post Medieval		
PRN 67148	Ropeway System Winding House, Vivian Quarry	SH58675604 63	Post Medieval		
PRN 67149	Ropeway System Winding House, Vivian Quarry	SH58666604 22	Post Medieval		

ID	Site Name	NGR	Period	Status	Status Ref
PRN 67193	Shelter, Vivian Quarry	SH58638606 38	Post Medieval	Scheduled Monument	CN198
PRN 67136	Steps, Dinorwic Quarry	SH58824600 93	Post Medieval		
PRN 67153	Steps, Vivian Quarry	SH58579604 56	Post Medieval		
PRN 67171	Steps, Vivian Quarry	SH58606605 39	Post Medieval	Scheduled Monument	CN198
PRN 67745	Tips Sw, Dinorwic Quarry	SH58938601 49	Post Medieval		
PRN 67161	Tips, Vivian Quarry	SH58419605 31	Post Medieval		
PRN 67162	Tips, Vivian Quarry	SH58295606 25	Post Medieval		
PRN 67189	Tramway Equipment, Traverser Pit, Vivian Quarry	SH58592606 85	Post Medieval	Scheduled Monument	CN198
PRN 65571	Turning Area, Dinorwic Quarry Drag, Hafotty Glan Y Bala	SH58886048	Post Medieval		
PRN 57163	Two Buildings, Nw Of Restored Incline And Drumhouses At Vivian Slate Quarry, Llanberis	SH58479606 04	Post Medieval		
PRN 20087	Vivian Slate Quarry, Llanberis	SH58520604 91	Post Medieval	Scheduled Monument	CN198
NPRN 418943	Vivian Quarry Entrance Tunnel	SH58623604 20	Post Medieval		
PRN 2450 NPRN 40571	Vivian Slate Quarry, Llanberis	SH586606	Post Medieval	Scheduled Monument	CN198
PRN 34495 NPRN 33618	Water Wheel, Gilfach Ddu	SH58530602 21	Modern		

ID	Site Name	NGR	Period	Status	Status Ref
PRN 57154	Water Wheel, S Of Hafodty	SH58951605 28	Post Medieval		
PRN 67127	Waterwheel Pit, Gilfach Ddu	SH58534602 19	Post Medieval	Scheduled Monument	CN163
PRN 67159	Weighbridge House, Vivian Quarry	SH58579604 24	Post Medieval		
PRN 67144	Weighbridge House, Vivian Quarry, Dinorwic Quarry	SH58617604 13	Post Medieval		
PRN 82949	Winder House, Hafod Owen, Dinorwic Quarry	SH58448604 39	Post Medieval	Scheduled Monument	CN163
PRN 90269	Yard, Gilfach Ddu	SH58557601 98	Post Medieval		

5. Map regression

- 5.1.1. There are several early plans depicting Gilfach Ddu and Vivian Quarry in the Vaynol Estate collection held in Caernarfon Archives. Georeferencing of these plans is difficult due to the drastic changes in the landscape in the late 19th century removing points of references, as well as a lack of accurate surveying and use of scale. However, it has been possible to roughly georeference them, providing some indication of what may have been within the development area.

5.2. Vaynol Estate survey, 1777

- 5.2.1. The earliest estate survey is from 1777 (Caernarfon Archives, Vaynol 4055) as Thomas Assheton Smith was assessing the agricultural and industrial value of his Vaynol Estate. The future site of Gilfach Ddu was part of Glan-y-Bala farm, with the farmhouse depicted in Field 3 (Figure 9). The proposed development area is in Field 4, immediately to the west. It was a roughly triangular field on the north bank of Afon y Bala. To the north, the shore of Llyn Padarn extended farther east than it does today, forming a small bay, which was the site of New Quay. The quay is not marked on the map but may be represented, in slightly the wrong location, by the rectangular building. The northern part of the development area lay within the lake at this point. A painting of 1795 by Nicholas Pocock, 'Loading Slates, Llanberis,' (Gwyn 2016, 209) shows Glan-y-Bala farmhouse on a craggy low rise, with the land sloping down to the west in the area of Field 4. There was only a very narrow flat lake shore area between the lake and the steep crags in the bay.
- 5.2.2. In 1777, slate exploitation was still small-scale. Workings are marked on the upper slope above the bay, and slate quarries are marked farther north-east, in the location of the early Allt Ddu and Chwarel Fawr quarries. The map

depicts the 'drag' cart road from these quarries, past Hafodty farm, zig-zagging down the slope above the bay to the area of New Quay and continuing along the line of the field boundary between Fields 3 and 4 before apparently terminating on the north shore of Llyn Peris.

5.3. Ordnance Survey Drawing: Caernarvon, 1818

- 5.3.1. The first Ordnance Survey mapping of the area is the 1818 Ordnance Survey Drawing of Caernarvon. The maps in this series are relatively small scale and lacking in detail, but the early quarries, including Chwarel Fawr (labelled only as Slate Quarry) and Allt Ddu are depicted. The 'drag' cart road is shown zig-zagging down to the shoreline from Allt Ddu and continuing around the shoreline to the south-east, crossing the approximate location of Gilfach Ddu. It also shows Assheton Smith's slate road, built in 1810 as an overland route from Allt Ddu to avoid using the difficult drag road and lake transport route. It ran roughly north-west from the quarry, all the way to the coast at y Felinheli.

5.4. Vaynol Estate survey, 1832

- 5.4.1. The estate survey of 1832 presents a similar picture to the 1777 survey (Figure 10). It is more detailed than the earlier plan, but georeferencing demonstrated it has low accuracy.
- 5.4.2. The route of the 'drag' cart road, shown in yellow through Fachwen Wood, is a more realistic depiction of the route across the slope. The map shows two buildings where the road comes down to the shoreline. As in the 1777 plan, the route continues along the field boundary between Glan-y-Bala and the field to the west, but now it is shown leading to a bridge over Afon y Bala.
- 5.4.3. To the north-east, the plan shows extensive new workings at Garrel and Raven Rock Quarries, which were some of the highest workings at Dinorwic. It also shows the Dinorwic Railway, a horse-drawn railroad, built between 1823 and 1825 along a similar route to the slate road (Gwyn, 2015).

5.5. Map of the parish of Llanddeiniolen in the County of Carnarvon, 1839

- 5.5.1. The Tithe map (Figure 11) does not provide much detail, but it does show one significant change from the preceding maps. A red line runs along the north shore of Llyn Padarn, crosses the drag cart road at roughly the location of the modern Llanberis Station, and continues eastwards along the north shore of Llyn Peris. This is listed in the apportionment as Part of Padarn Railway, owned by Thomas Assheton Smith. The railway ran to Y Felinheli and was completed in 1843 (Davidson and Gwyn 2014), but its presence on the Tithe map suggests this section may have been completed earlier, or it is shown under construction.

5.6. Undated estate – c.1869

- 5.6.1. Although undated, this map is very similar to another estate survey of 1869 (Caernarfon Archives, Vaynol 4121) and was probably produced at the same time. It shows changes that had occurred in and around the development area as the internal layout of the quarry was reorganised in the 1860s (Figure 12). Quay Newydd, formerly on the lake shore, was by this time 70m from the water due to the dumping of quarry waste in the bay. The waste also expanded south into the future location of Gilfach Ddu. The map also shows the Dinorwic Quarry 'A' incline (SM CN177), the square Offis Fawr building (LB 22658), which still exists to the east of Gilfach Ddu, the exit of the rail link tunnel through the Glan y Bala promontory, and the hospital (LB 4151).
- 5.6.2. In the proposed development area, the line of Dinorwic Quarry Railway (PRN 59324; NPRN 414847) is shown running roughly north to south across the eastern part of the area. Its location is quite different to that shown on the Tithe map, probably due to the low accuracy of the Tithe. Along the eastern edge of the development area a track is shown, also running roughly north to south. The rest of the development area is part of fields A.2 and A.3, both

described as meadow. The continuation of the railway and track to the north is not shown. The area, the reclaimed land to the west of Quay Newydd, is labelled A.1, part of Slate Quarries and Works, Glan y Bala.

5.7. First Edition Ordnance Survey County Series, Caernarvonshire XVI.8, survey 1888, published 1889, 25 inch to the mile.

- 5.7.1. The First Edition County Series OS map (Figure 13) shows significant changes had taken place over a short period. While the Allt Ddu workings continued in operation, down the slope to the south-west Vivian quarry had been established, and on the slopes above Llyn Peris were the extensive workings of Garret, Matilda, Wellington, Victoria and Braich. The infrastructure of the quarry is shown, including inclines, winding houses, cabins, barracks, and tramways. The tipping of quarry waste below Vivian Quarry had expanded the reclaimed area to the north-west of Gilfach Ddu farther into Llyn Padarn. The area north of Gilfach Ddu is crossed by numerous rail lines. There is also a long narrow range of buildings, named as dressing sheds in an archive document from 1889 (DQ 1919) orientated north-west to south-east (NSM17).
- 5.7.2. The map is the first to depict Gilfach Ddu, which had been constructed on the previously existing area of low flat land to the west of Glan y Bala. The building is depicted in a broadly similar form to currently, with four ranges in rectangular plan around a large courtyard. Extending south from the south-west corner of the building is the waterwheel housing. There are also three small projecting elements along the west of the west range.
- 5.7.3. Rail tracks are shown running into the building from the Padarn Railway and from the quarry railway, with a small turntable being depicted on the map to the north-east of the workshops. Two enter the courtyard through the main entrance and cross the courtyard to the centre of the south range. Two lead to sheds on the east side of the building façade and one to one of the

projecting elements from the west of the west range. Additionally, one runs down each side of the building, with the one to the west ending at the waterwheel and the eastern turning west to run along the south of the building towards the waterwheel. Within the courtyard there is an additional loop around the yard, with two spurs running to the south-west and south-east corners.

- 5.7.4. Two small rectangular structures are shown to the centre of the courtyard, west of the railway. They match the location of the existing structures, with the southernmost of these structures being a coal store. This was identified during the site visit and is within the gazetteer (NSM01). There is also a structure shown against the south wall of the north range, to the west of the main entrance, which is in the location of the current walled area around the Chief Engineer's quarters.

5.8. Second Edition Ordnance Survey County Series, Caernarvonshire XVI.8, revised 1899, published 1900, 25 inch to the mile

- 5.8.1. In the eleven years in between the publication of this map sheet and the preceding map a small number of changes had taken place in the landscape surrounding Gilfach Ddu. The most notable change is that further land reclamation had taken place to the north-west of the Gilfach Ddu workshops.
- 5.8.2. The map sheet (Figure 14) shows that alterations had been made to the rail lines on the northern side of the workshops, with their paths having been altered. As part of these alterations the turntable shown on the preceding map has been removed. A small rectangular structure is depicted along one of the rail tracks that enter the locomotive shed at the north-eastern corner of the building.
- 5.8.3. The rail lines at the southern end of the workshop building have also been altered, with a new line extending from the south-east corner of the building,

which is joined further to the south by the rail line that extends along the eastern exterior of the building. The track is shown to run along the Afon Bala and along the north shore of Llyn Peris to buildings at the Wellington works. The track branches just to the south of the Gilfach Ddu workshops, with the branch running west, through the south-western corner of the building to a tip beyond.

- 5.8.4. The map sheet depicts two new buildings within this area of the site. The first (NSM09) is a small rectangular building that abuts the south-eastern corner of the existing workshops. The second (NSM10) is a slightly larger rectangular building just to the south. Within the courtyard a new square building is shown projecting from the western range. This building still stands today.

5.9. Ordnance Survey County Series, Caernarvonshire XVI.8, revised 1912 -13, published 1914, 25 inch to the mile

- 5.9.1. The map sheet shows that waste was still being tipped along the shore of Llyn Padarn to reclaim ground to the north-west of the workshop building (Figure 15). Further alterations had been made to the rail line that ran down the eastern edge of the workshops, with it no longer branching off to the dressing sheds to the north.
- 5.9.2. The lean-to structure to the centre of the south elevation of the southern range is shown on this map. Plans for this extension, which extended the existing repair shop and saw shed, are held in the Caernarfon Archive and date to 1904 (XDQ 3260). A new structure (NSM11) is also shown abutting the angle of the waterwheel house and power hall, which is now the large saw shed (G14). A freestanding rectangular building (NSM08), orientated east to west, is shown to the south of the wheelhouse, and was probably the timber drying store.
- 5.9.3. The rail lines that ran along the south of Gilfach Ddu had been altered. The

previous section running east to west still existed, running to the new large saw shed. A second spur has been added from this to the power house. A new short section of track had been added in the centre of the yard, from the lean-to saw shed extension south towards NSM08. A further section ran from the central courtyard through the sleeper saw shed then curving to join the existing line running south.

- 5.9.4. Further alterations had been made within the courtyard of the workshop. A small building (NSM12) had been added to the south-east corner of the large square building that was depicted on the 1900 map sheet. This new building also abutted the northern face of the rectangular structure shown in this area of the courtyard on the 1st Edition OS map sheet. To the south-west of this a further small square freestanding structure is depicted (NSM05).
- 5.9.5. The final change evident on this map sheet is the appearance of a small structure to the south-west of the workshops, on the eastern bank of the Afon Bala. The map labels the structure as a Boat House.

5.10. Ordnance Survey SH5860-SH5960, revised 1974, published 1975, 1:2,500

- 5.10.1. By the time this map sheet was published Dinorwic Slate Quarry had closed down, and the Gilfach Ddu workshops were established as a museum. Further reclamation of Llyn Padarn had occurred by this time, with infilling having occurred to the north-west, close to Llanberis Lake Railway (Figure 16).
- 5.10.2. The map shows dramatic changes to the landscape around the Gilfach Ddu workshop, with the majority of the rail lines having been removed. Three rail lines are shown running north from the locomotive shed at the north-east corner, which merge into a single line to join the Dinorwic Quarry Railway.
- 5.10.3. The rail lines that ran along the western and eastern sides of the workshops are not shown on the map. Neither is the line that ran south-eastwards to Wellington. The configuration of the rail lines within the courtyard appears to

have been altered, with the eastern branch having been removed, and the line that ran into the courtyard through the northern entrance also removed. The freestanding structure in the eastern half of the courtyard (NSM05) had been demolished by this time.

- 5.10.4. The map sheet shows that further buildings had been constructed along the exterior of the southern range after 1914, with a new structure in the south-west corner and an extension of the small structure that was depicted on the 1900 map sheet in the south-eastern corner. A new structure is shown abutting the north-west corner of the wheel pit (NSM13), which appears to have housed the Pelton Wheel and so was constructed in the mid-1920s. A small square building is shown to the west of this, adjacent to the Boat House (NSM14).
- 5.10.5. To the north of the workshops, the dressing sheds (NSM16) had been partially demolished, with only the very south-eastern end of the structure surviving. Two further small buildings are shown to the north-west of this.

6. Aerial photographs and LiDAR

6.1. Aerial photographs

- 6.1.1. The collections from the Central Register of Air Photography for Wales (CRAPW), Cambridge University Collection of Aerial Photography (CUCAP), britainfromabove.org.uk, and Satellite Imagery from Google Earth were examined.

1971 7172 OS 71_211 040

- 6.1.2. This black-and-white vertical photograph captures the Gilfach Ddu and its immediate surrounding landscape. The resolution of the photograph does not allow for detailed observation of the features within and outside the building. The surrounding area appears largely unstructured, with what is now the

access road appearing as a track and no formalised car park. The surviving section of the dressing sheds (NSM16) in what appears to be a flat open area. To the north-west are the splayed fingers of the waste tips.

1973 7355 OS73_028 255

6.1.3. This black-and-white vertical photograph provides a good level of detail (Figure 17). The listed building Offis Fawr (LB 22658), scheduled monument Dinorwic Quarry: Hafod Owen Winding Engine, Locomotive Shed, Main Waterwheel and Housing (CN163), and new sites NSM01, NSM03 NSM04, NSM16 are all visible.

6.1.4. The image provides a clearer picture than the previous photo, but there are no obvious changes to either Gilfach Ddu or its surroundings, with the exception of the landscaping of Vivian Quarry Tips PRN 67162.

1982 8230 OS82_045 050

6.1.5. This black-and-white vertical photograph was taken at high altitude, which inhibits the ability to confidently identify any details. However, it is clear that some landscape work has been carried out to the north of Gilfach Ddu to establish the car park. Within the courtyard it is possible to make out rows of small items, but it is not clear what these were.

1986 8606 JAS 52_86 0118

6.1.6. This colour vertical photograph was taken at high altitude and provides little detail of the features existing within and outside the building complex, but it illustrates the monumental size of the surrounding quarries.

1990 9001 ADAS 453 022 and 1993 9313 RAF 39_6152 0525

6.1.7. These black-and-white vertical photographs were taken at high altitude, which inhibits the ability to confidently identify any details.

2000 Getmapping

- 6.1.8. This colour vertical photograph documents the museum complex largely as it appears today. To the interior of Gilfach Ddu, it is possible to make out the circular structure of the shop and many of the larger items of in situ machinery. In the south of the southern yard are the Fron Haul cottages (NSM15), which were relocated to the museum from Tanygrisiau in 1999. The café is also visible along to the eastern side of the area, and the play area is to the north-west of Fron Haul. To the north, the museum forecourt area has been clearly demarcated from the car park.

6.2. LiDAR

- 6.2.1. LiDAR 1m DTM was processed Hillshade to examine the presence and character of sub-surface features that might be present on site (Figure 18).
- 6.2.2. No anomalies are observed on the results. However, the resulting image highlights the characteristics of the surrounding quarries and spoil tips.

7. Site visit

- 7.1.1. A site visit was carried out on 9th July 2024. The weather was light rain with low cloud and poor visibility, lifting later in the afternoon (Plates 1-19).
- 7.1.2. There were no constraints on access to the development site. Within the 500m search area there were access issues to some of the non-designated assets relating to the quarry due to them being in an unsafe location. In these cases, impacts were assessed from the nearest possible location and on the basis of topology and vegetation.
- 7.1.3. The enclosed nature of the development site meant that visual impacts on assets outside the development area would be limited. For both the designated and non-designated assets, only those considered to have a

potential to be impacted were visited, which were primarily those at a higher elevation than the development site.

7.1.4. During the site visit, six new sites were identified with the bounds of the development site (Table 5; Plates 10, 11, 12, 14 and 15). Of these sites, all but NSM03 and 07 are in their original locations, with the coal storage and the drying shed depicted on the historic mapping.

7.1.5. During the production of this report a total of seventeen new sites were identified, from a combination of cartographic and documentary evidence as well as the site visit. For a full list of sites identified within the development area see Appendix II.

Table 5: New sites identified during the site visit only

New Site	Description	NGR
NSM01	Coal Storage	SH 58541 60277
NMS02	Crane	SH 58564 60307
NMS03	Crane	SH 58548 60309
NSM04	Slate Water Tank	SH 58542 60279
NMS07	Crane	SH 58552 60218
NMS08	Drying shed	SH 58544 60210

8. Impact Assessment

8.1. Assessment of Heritage and Archaeological Potential and Importance

8.1.1. The development area is centred on the Gilfach Ddu workshops and the yard areas to the north and south. The workshops are known to have been constructed on reclaimed ground in 1870, as part of the Dinorwic Slate Quarry

complex.

- 8.1.2. The history of the site is relatively short but well documented and it is very unlikely that unrelated archaeological features will be present within the redline boundary.

8.2. Previous Impacts

- 8.2.1. Previous impacts across the proposed development area are of great significance in determining the survival and importance of the known and potential heritage and archaeological resource.
- 8.2.2. The map regression shows that a number of alterations were made to the Gilfach Ddu workshops during the course of their life. There have been seventeen new sites identified within the development site, some identified during the site visit and others during map regression. All of the new sites are buildings or structures. The buildings are either original structures within the inner courtyard or later additions, while the structures are cranes, associated with the activities that took place within the workshops.
- 8.2.3. Due to the almost continual alterations to the site during its lifetime it is considered that there is moderate potential for further archaeological remains to be present below ground. Some of these have been identified during map regression but others might be present below ground that were so short lived that they were not depicted on any mapping.

8.3. Potential Impacts of the Proposed Development

- 8.3.1. The proposed development is for the construction of new buildings and structures within the inner and southern courtyards, landscaping to the rear courtyard and the laying of new drains across the entire site. Alterations are also proposed to eight of the existing structures within the Gilfach Ddu workshop (Figure 19).

- 8.3.2. Construction proposed for the inner courtyard consists of the demolition of the current circular shop to be replaced by a new rectangular building. The construction of staff and visitor conveniences on the eastern side of G39 the General workshop, which projects into the courtyard from the western range, and a new slate workshop to be constructed on the southern side of G39. A covered canopy is also proposed for the north-eastern corner of the courtyard, abutting Room G34.
- 8.3.3. Within the southern courtyard the proposal is to demolish the current café and construct a new building on a slightly different alignment, with a learning room being constructed on the southern edge of the new café.
- 8.3.4. New drainage and water management is also part of the development.
- 8.3.5. Potential impacts of the development are the groundworks required for the construction of the new buildings and structures, and the drainage trenches, which would impact any surviving subsurface archaeology. The alterations to the existing building may also have an impact upon the existing historic fabric.

8.4. Historic Landscapes

- 8.4.1. The site sits within The Slate Landscape of Northwest Wales – Component Part 2: Dinorwig Slate Quarry Mountain Landscape World Heritage Site (UNESCO Ref No. 1633), which was designated as an outstanding example of an industrial landscape that was profoundly shaped by the quarrying and mining of slate. The site is also within the Registered Historic Landscape of Dinorwic (HLW (Gw) 6), which is a Landscape of Outstanding Historic Interest and forms part the WHS. Both of these historic landscapes are assessed to have a **Very High** value.
- 8.4.2. The proposed development will have an impact on both of the designated historic landscapes. However, the proposed new buildings are contained within the bounds of the Gilfach Ddu workshops, with most of the impact

occurring within the inner courtyard. The inner courtyard of the Gilfach Ddu building is not visible from the elevated areas of the WHS and the Registered Historic Landscape. The café and new learning room are located in the southern courtyard, which is visible from certain areas of the WHS outside of the museum complex and the Registered Historic Landscape. The proposed changes are relatively small, due to the larger buildings (café and shop) replacing existing ones rather than being completely new structures and are as such unlikely to change the character of the site and so are considered to result in a **Negligible** impact.

8.5. Scheduled Monuments

- 8.5.1. There is one Scheduled Monument within the bounds of the site, which is the Waterwheel and housing (CN163), located in the southern yard area. This SM consists of two component parts, the Locomotive Shed and the Hafod Owen Winding Engine, both of which are located outside the Gilfach Ddu workshop to the north-east and north-west respectively. The waterwheel and its slate housing were constructed to power the machinery within the Gilfach Ddu workshop and date to 1870. It is assessed to have a **Very High** value as contributors to the Outstanding Universal Value (OUV) of the WHS.
- 8.5.2. The proposals will not directly impact the SM. The proposed café and learning room will be located within the southern courtyard, immediately to the east of the waterwheel. The new building will be larger than the current café, extending farther to the south. It will also have a pitched roof rather than the current slightly curved sloping roof, which makes the proposed building taller than the present one but more in keeping with the Gilfach Ddu workshop buildings.
- 8.5.3. The new café building will have an impact on the setting of the monument, although due to modern developments having already taken place within the

courtyard it is thought that the proposed plans will have only a **Minor** impact. This level of impact also applies to the development within the inner courtyard.

8.5.4. There are five other SMs within the 2km study area. Three of these are part of the WHS and contribute to its OUV. They are consequently considered to be of **Very High** value:

- CN198 - Vivian Slate Quarry, Inclines, Walia & associated structures
- CN177 - Dinorwic Quarry Barracks 'A' Incline
- CN337 - Dinorwic Quarry

8.5.5. The other two of the SMs are assessed to have a **High** value;

- CN288 - Hut Circle Settlement and Rectangular Hut North of Hebron Station
- CN066 - Castell Dolbadarn

8.5.6. The proposed development will not have an impact these SMs due to the proposed new buildings being contained within the bounds of the Gilfach Ddu workshops. The locations of the new buildings are not visible from the SMs. The roof of Gilfach Ddu, including the upper part of the wheel housing, is visible from Castell Dolbadarn (Plate 19), and it is possible that the new café building would be partially visible in the winter when there is less vegetation. The resulting impact would be **Negligible**.

8.5.7. For the remaining SMs, the site visit identified no visibility of the proposed development. However, these are large assets, and it is possible that from specific locations there is visibility, or that visibility may be greater in the winter months. Therefore, the impacts are considered to be **Negligible** on the remaining four SMs.

8.6. Listed Buildings

8.6.1. The Gilfach Ddu workshop is a Grade I Listed Building (Dinorwic Slate Quarry Workshops LB 22656). The building has a quadrangular plan, based around a

central courtyard. The building's ranges are constructed in a Classical form, plan and appearance, with Gothic detailing used for the cast-iron windows. The listing document states that the character of the buildings is distinctive and unique. It is also a named element of the WHS Component Part and as such is assessed to have a **Very High** value.

- 8.6.2. The proposed works will have a direct impact upon the listed building and its curtilage. The proposed alterations to the building will impact the historic fabric of the building, specifically in the case of the construction of staff and visitor conveniences on the eastern side of G39 the General workshop, which projects into the courtyard from the western range. Similarly, the covered canopy is also proposed for the north-eastern corner of the courtyard, abutting Room G34.
- 8.6.3. The proposed new buildings will also impact the historic fabric of the existing building as well as impacting its setting. The new shop and café structures are likely to have positive impacts upon the setting as the new designs are more sympathetic to the aesthetic of the Gilfach Ddu workshop. The new learning zone and slate workshop will also be beneficial to the museum and its visitors.
- 8.6.4. The proposed new drainage system will have some impact upon the historic fabric of the building itself, where new drains are being run from inside some of the workshops into the courtyards. Any below ground archaeology related to the building (such as foundations) is likely to be impacted but will depend upon design. The drainage along with proposals for rainwater management will serve to improve the long-term preservation of the structures.
- 8.6.5. The new café and shop will have a positive impact on the setting of the listed building as the new structures are more sympathetic to its architectural character.
- 8.6.6. Cumulatively, these impacts will result in a **Moderate** impact on the listed

building, with some of these impacts being beneficial.

- 8.6.7. There are 36 other Listed Buildings within the 2km search area (see Table 3 for a full list). Of these, only two, Locomotive Shed (LB 22657) and Offis Fawr (LB 22658) are within close proximity of the site. As the proposed development is contained within the courtyards of the Gilfach Ddu workshop, the visibility of the development is constrained. It is considered that there will be a **Negligible** impact upon these Listed Buildings.
- 8.6.8. Of the remaining buildings, only one was identified as having any potential visibility of the development. This is LB 21854 Castell Dolbadarn, discussed above (Paragraph 8.5.6). There is no visibility between the site and the remaining 34 buildings, resulting in **No Change** from the development proposals.

8.7. Non-designated assets

- 8.7.1. There are 117 heritage assets listed within 500m of the proposed development site (see Table 4 for a full list). Fifty-six of these assets relate to the scheduled monuments, and nine are listed buildings.
- 8.7.2. Within the bounds of the site there are five assets, which are:
- These are Dinorwic Workshop Complex (PRN 2442; NPRN 40559 and 93634; LB 22656),
 - The waterwheel and its pit (PRN 67127, 34495, NPRN 33618, SM CN163),
 - The Pelton Wheel (NPRN 33613),
 - The Blacksmith's Shop (NPRN 41155)
 - The southern courtyard (PRN 90269)
- 8.7.3. Additionally, the map regression identified that the original route of the Dinorwic Quarry Railway (PRN 59324; NPRN 414847) crossed the development area prior to the construction of Gilfach Ddu workshops. Impacts on the

Dinorwic Workshop Complex, the waterwheel and pit, the Blacksmith's Shop, and southern courtyard (PRN 90269) are covered in the section relating to Gilfach Ddu above (Section 8.6).

- 8.7.4. The Pelton wheel (NPRN 33613) is part of the Gilfach Ddu workshops, located on the north-western edge of the waterwheel pit. It replaced the original waterwheel in 1926 and is considered to be of **Medium** value. There may be very limited impacts on the setting of the Pelton wheel from landscaping changes in the southern yard, which are considered **Negligible**.
- 8.7.5. The condition or survival of the original section of the Dinorwic Quarry Railway (PRN 59324; NPRN 414847) identified on the historic mapping is unknown. It is possible that it was completely destroyed by the construction of Gilfach Ddu workshops, or part of it may survive within levelling material. Any surviving structures relating to the railway would be of **Very High** value, as evidence of the early infrastructure of the quarry. The proposed drainage routes across the courtyard have the potential to physically impact archaeological remains, and depending on the extent of the survival and location of the drainage this could result in **Moderate** to **Major** impacts.
- 8.7.6. The remaining non-designated assets will not be impacted by the proposed developments. There is no visibility between the assets and the location of the developments. Therefore, it is considered that there will be **No Change** to these assets.

8.8. New Sites

- 8.8.1. During the works as part of the desk-based assessment, seventeen new sites were identified (Figure 20; Table 6; Appendix II). Apart from NSM14 and 16, these are all located within the bounds of the proposed development area (Figure 17). Fourteen of the assets are buildings or small structures within the Gilfach Ddu workshops, most of which have been added to the building since

its construction in 1870. The Fron Haul Cottages, NSM15, were brought into the site and re-built between 1975 and 2000. The two remaining new assets are cranes, NMS07 located in situ in the rear yard and NSM03 is mobile. As these assets are associated with the Listed Building and contribute to the history of the Gilfach Ddu workshops they are considered to have a **Very High** value.

- 8.8.2. The proposed works will impact the settings of all of these assets. For those assets located in the main courtyard, the visual impacts would be positive, as the new structures are more in keeping with the character of the workshops than the existing. The setting of the assets in the southern courtyard will be impacted by the larger café and learning room building, which will reduce the yard area. Although the new buildings would be more suited to the character of the building, it would change the understanding of the space as a formerly more open yard.
- 8.8.3. The physical impact from the drainage is unknown at present as the final layout will be advised by this document. Any drainage located in close proximity to or on the line of any of these new sites will require suitable mitigation. The level of potential impact varies from **Negligible** if the drainage avoids the assets, to **Moderate** if the drainage cuts through the assets.
- 8.8.4. There will be a **No Change** to NSM 14 and 16 as these are beyond the development boundary and have no visual impacts.

Table 6. Complete list of new sites identified through the DBA works

New Site	Description
NSM01	Coal Storage area original to the Gilfach Ddu site and in its original location
NMS02	Crane used to unload oil drums in Gilfach Ddu courtyard
NMS03	Gantry crane located within the yard built upon concrete foundations. Not in original location

NSM04	Slate water tank comprised of slabs of slate complete with iron fixings
NSM05	Structure depicted on OS map of 1914 located in the south-east of the inner yard
NSM06	Wall revealed during GI works
NMS07	Crane for un-loading logs located at the rear yard of the National Slate Museum
NMS08	Drying shed located in the southern yard
NSM09	Small rectangular building documented on the OS map of 1900 and 1914, located in the southern yard
NSM10	Small rectangular buildings documented from OS map of 1900 to date located at the southern yard
NSM11	Buildings documented from the OS County Series of 1914 to date located at the southern yard
NSM12	A small structure first depicted on the 1914 OS county series map, abutting the angle of two existing structures in the centre of Gilfach Ddu yard
NSM13	Buildings documented from the OS map of 1975 to date in the southern yard
NSM14	Buildings documented from the OS map of 1975 to date, located adjacent to Boat House
NSM15	Row of four terraced houses relocated from Tanygrisiau to the National Slate Museum in 1999.
NSM16	A row of slate dressing sheds, depicted on the 1889 OS map to the north of Gilfach Ddu workshops
NSM17	A small single storey hipped roofed building in the centre of Gilfach Ddu yard. Appears on the first edition OS map

9. Mitigation

9.1.1. The development proposals include alterations to the existing historic structure of Gilfach Ddu, the demolition of modern buildings within the courtyards and the construction of five new buildings and the installation of new drainage. This will impact the standing structures as well as any surviving sub-surface archaeological deposits.

- 9.1.2. The impacts to the fabric Listed Building can be mitigated through the undertaking of a Building Recording or Photographic Record of the building as well as assets within the courtyard. In addition, a watching brief during any disturbance to the above ground or below ground structures would also be suitable mitigation.
- 9.1.3. Prior to providing final mitigation it is recommended that the below ground archaeology is evaluated by means of evaluation areas. These are recommended to be targeted upon features noted on historic maps and to fit within the physical constraints of the courtyards. This will allow a better understanding of the presence or absence of sub-surface archaeological features and deposits as well as the depth and nature of the archaeology.
- 9.1.4. Further mitigation following the evaluation is likely to be required by means of a watching brief or possible targeted Strip Map Excavation.

10. Conclusions

10.1. Impacts on designated assets

- 10.1.1. The site sits within The Slate Landscape of Northwest Wales - Dinorwig Slate Quarry Mountain Landscape World Heritage Site (UNESCO Ref No. 1633), and within the Registered Historic Landscape of Dinorwic (HLW (Gw) 6). The proposed new buildings that form part of the development will have an impact on both of the designated historic landscapes. The physical impact of the new buildings and the drainage program will have a very minor physical impact on the landscapes. The nature and locations of the proposed new buildings are unlikely to change the character of the site significantly and so are considered to result in a **Negligible** impact.
- 10.1.2. There are six Scheduled Monuments located within 2km of the development

area. One is located within the southern yard area of the site, the Waterwheel and housing (CN163). The proposed café and learning room will be located within this courtyard, to the east of the waterwheel. The proposed new building will be larger than the current café, and also have a pitched roof, which will have an impact upon the setting of the monument. It has been concluded that due to modern developments having already taken place within the courtyard, the proposed plans will have only a **Minor** impact. There will be no physical impact to the SM.

- 10.1.3. It is possible that there will be some visual impacts on CN066, Castell Dolbadarn, from the new café building. However, the distance from the SM, intervening vegetation, and the sympathetic design of the café means this would be a **Negligible** impact.
- 10.1.4. The four other SMs are unlikely to be impacted by the proposed development, but the possibility of visual impacts during winter months means they are considered to result in a **Negligible** impact.
- 10.1.5. The Gilfach Ddu workshop is a Grade I Listed Building (Dinorwic Slate Quarry Workshops LB 22656). The proposed works will have a direct impact on the building and its curtilage, affecting the historic fabric of the building and its setting. Negative physical impacts may be caused to the below ground fabric of the building (i.e. foundations) by the ground works for drainage. Above and below ground physical impacts may be caused by the shower and toilet block extension, as well as the addition of the canopy. However, there will be positive long-term physical impacts for the building fabric due to the improved drainage. The new shop and café structures are likely to have positive impacts upon the building's setting, as the new designs are more sympathetic to the aesthetic of the Listed Building. It is believed that overall, there will be a **Moderate** impact on the building. This will be mitigated by means of a

Building Recording prior to commencement of works and a watching brief during any disturbance to the above ground or below ground structures.

- 10.1.6. Castell Dolbadarn LB 21854, is discussed above (Paragraph 10. 1.3).
- 10.1.7. The study identified 35 other Listed Buildings within the 2km search area, none of which will be impacted by the proposed developments due to the constrained visibility of the development. It is therefore considered that there will be a **No Change** impact upon these Listed Buildings.

10.2. Impacts on non-designated assets

- 10.2.1. The study has identified 117 heritage assets within 500m of the proposed development site. There are six non-designated assets within the bounds of the site, four of which form part of the Grade I Listed Building (LB 22656), with the waterwheel also being part of the Scheduled Monument (CN 163). It is considered that there will be a **Minor** impact upon the four assets that are part of the Scheduled Monument and Listed Building. The impacts to the original section of the Dinorwic Quarry Railway are dependent on the degree of survival of the railway and the final location of the drainage ground works, and range between **Moderate** to **Major** impacts. The development will have a **Negligible** impact upon the Pelton Wheel.
- 10.2.2. The remaining non-designated assets will not be impacted by the proposed developments and so it is considered that there will be **No Change**.
- 10.2.3. During the map regression and site visit seventeen new sites were identified, which are all located within the bounds of the proposed development area, except NSM14 and 16. Provided the final drainage plan avoids these assets, then the impact on these assets will be **Minor**. However, if the drainage is in close proximity to or crosses these then the impact may be **Moderate**. There will be **No Change** to NSM 14 and 16, which are located beyond the development boundary.

- 10.2.4. Prior to providing final mitigation it is recommended that the below ground archaeology is evaluated by means of evaluation areas. These are recommended to be targeted on features noted on historic maps and to fit within the physical constraints of the courtyards. This will allow a better understanding of the presence or absence of sub-surface archaeological features and deposits as well as the depth and nature of the archaeology encountered.
- 10.2.5. Further mitigation following the evaluation is likely to be required by means of a watching brief or possible targeted Strip Map Excavation.

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1971 7172 OS 71_211 040

1973 7355 OS73_028 255

1982 8230 OS82_045 050

1986 8606 JAS 52_86 0118

1990 9001 ADAS 453 022

1993 9313 RAF 39_6152 0525

2000 Getmapping

Archive documents consulted – Caernarfon Archives

XDQ 1106

XDQ 1108

XDQ 1110

XDQ 1119

XDQ 1137

XDQ 1768

XDQ 1789

XDQ 1875/21

XDQ 1917

XDQ 1918

XDQ 1919

XDQ 1927

XDQ 3091

XDQ 3222

XDQ 3260

XDQ 3332

CHS 1072/117

CHS 1072/234

CHS 1072/235

CHS 1072/238

CHS 1072/295

XD 40/12/2

XD 40/12/4

XD 40/23/35

XS 2474/156

Vaynol Estate Collection:

4055, 4067, 4131, 4133, 4064, 4105, 4084, 4081, 4149, 4148, 4203, 4194, 7142.



Figures

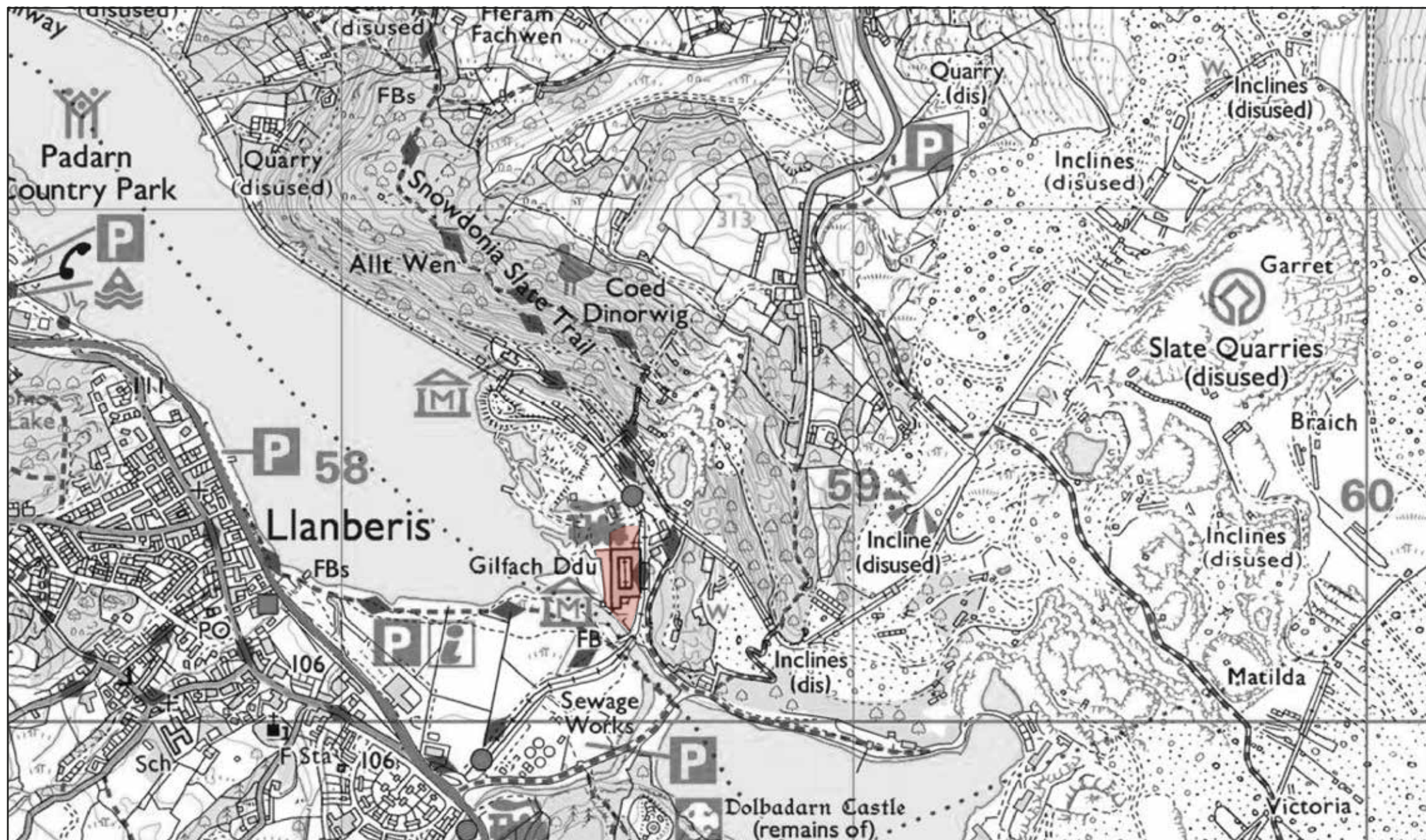
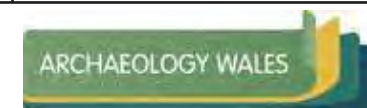


Figure 2. Location of National Slate Museum

Site Location



0 250 500 m



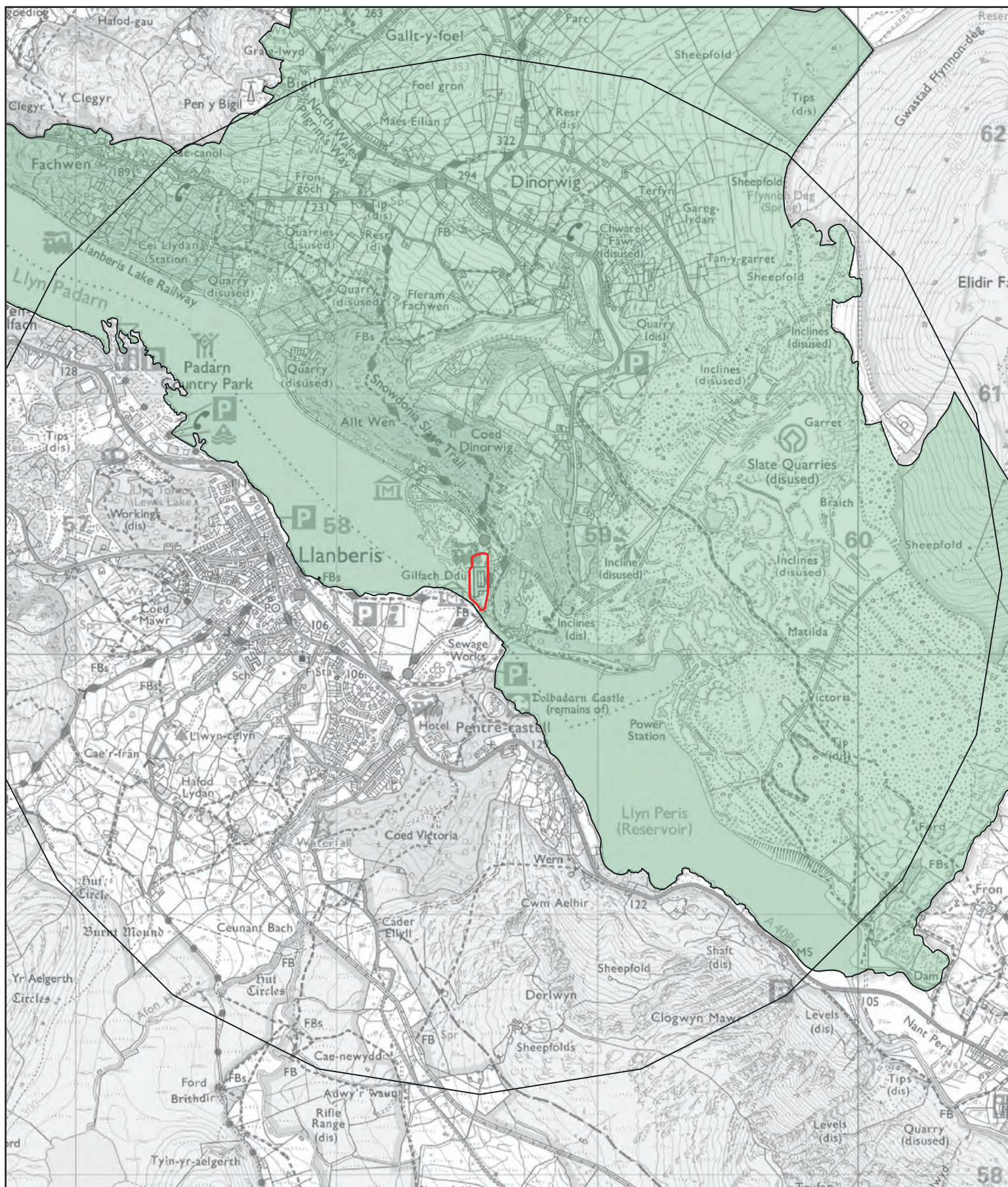


Figure 13. The extent of The Slate Landscape of Northwest Wales World Heritage Site, Component Part 2: Dinorwig Quarry Slate Mountain Landscape, within the 2km search area.

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0 250m 500m 750m 1km

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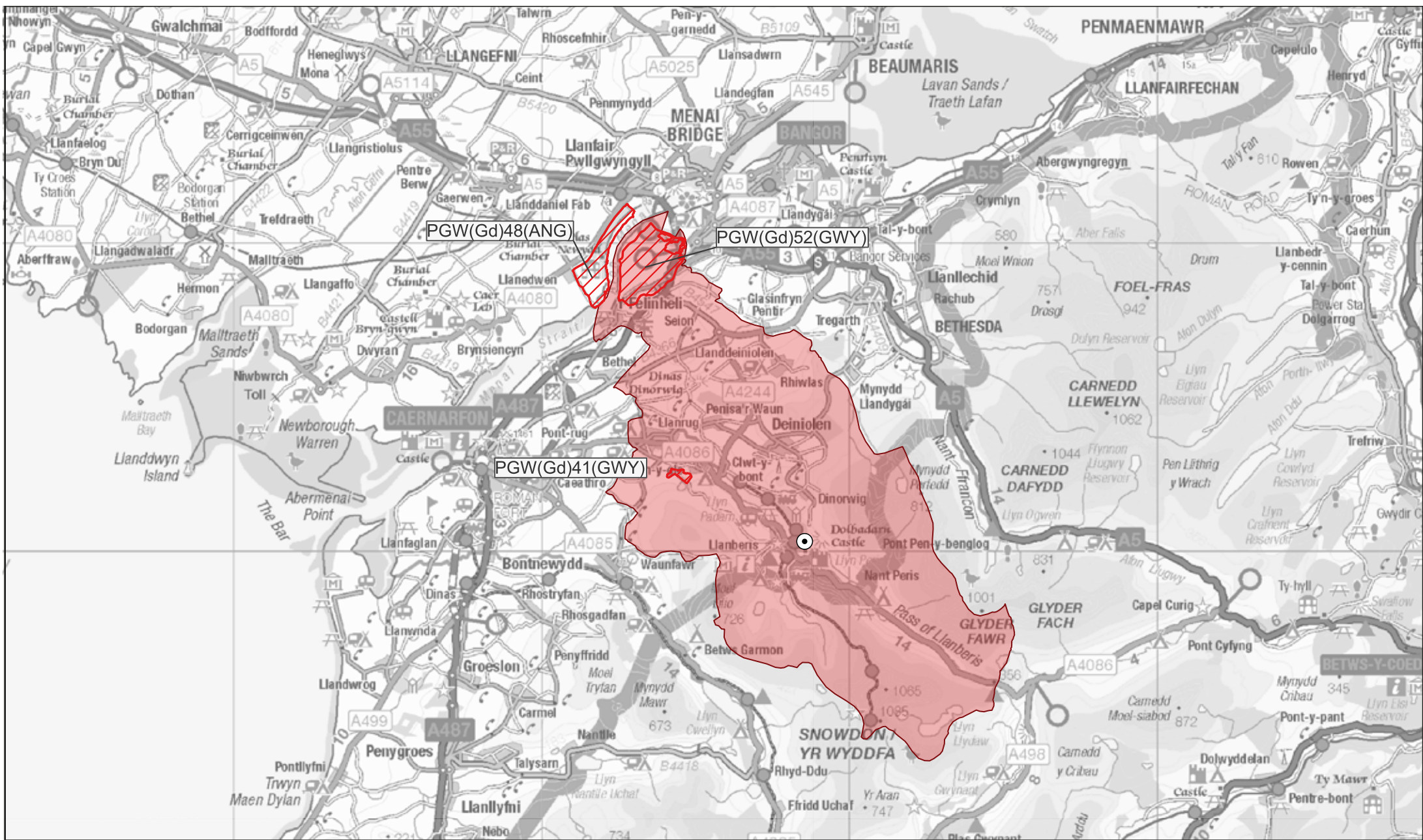



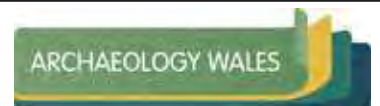


Figure 4. Registered Historic Landscape within search area and associated Registered Park and Gardens.

-  Registered Park and Garden
-  Registered Historic Landscape
-  Location of National Slate Museum



0 2.5 5 km



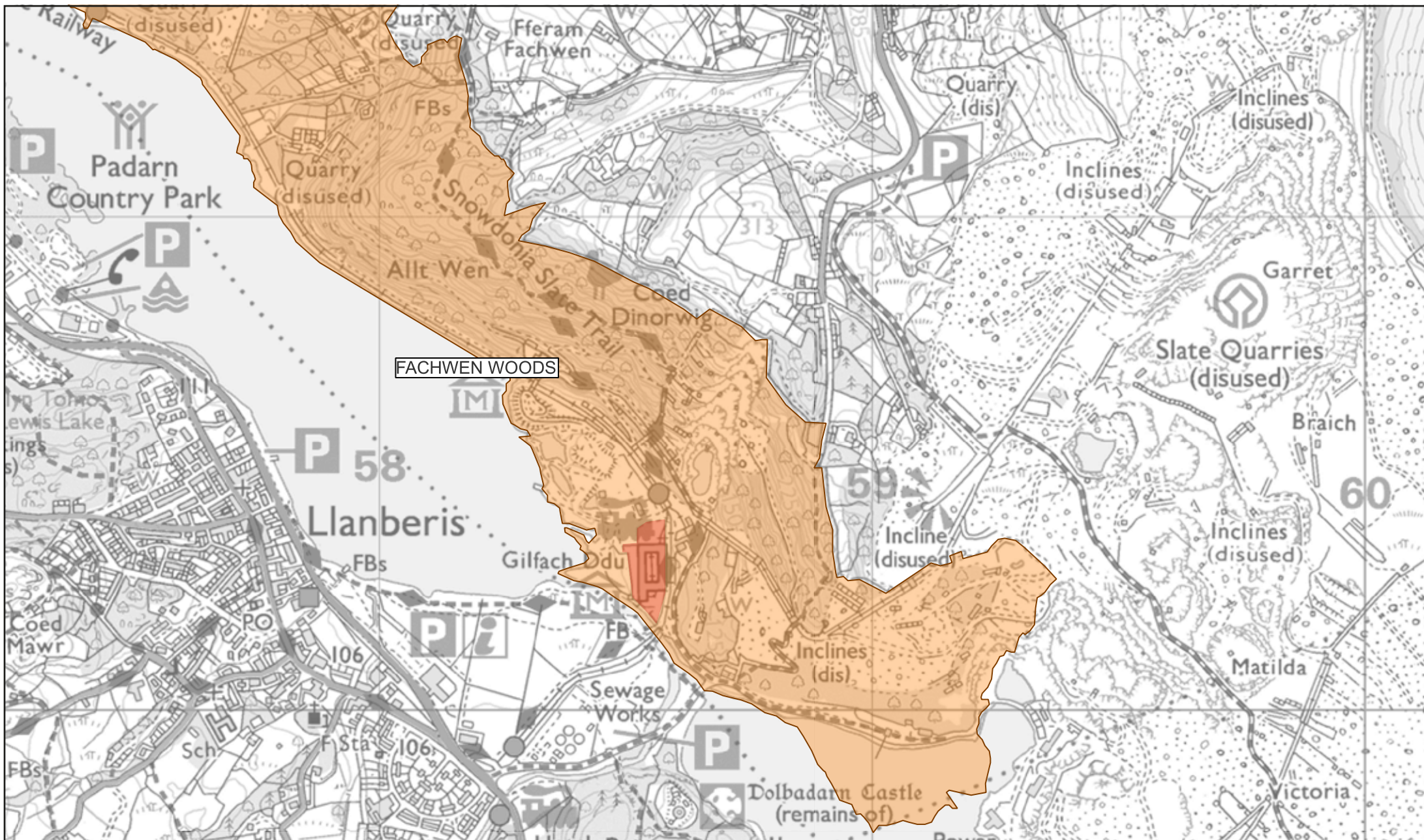


Figure 5. Location of Fachwen Woods - Historic Landscape Characterisation Area.

- Historic Landscape Characterisation Area
- National Slate Museum



0 250 500 m



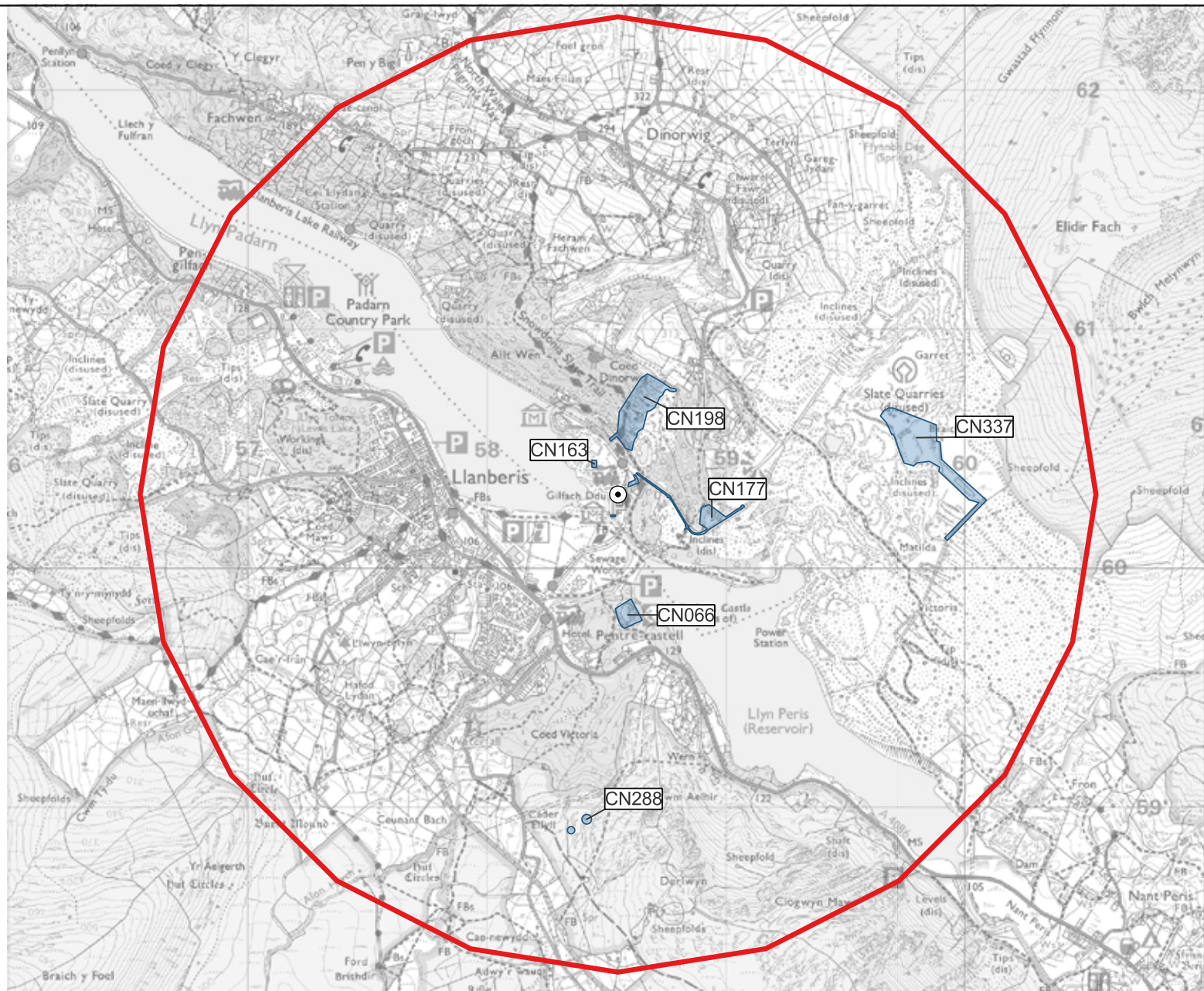


Figure 6. Scheduled monuments within search area.

- Scheduled Monuments
- National Slate Museum



0 500 1,000 m



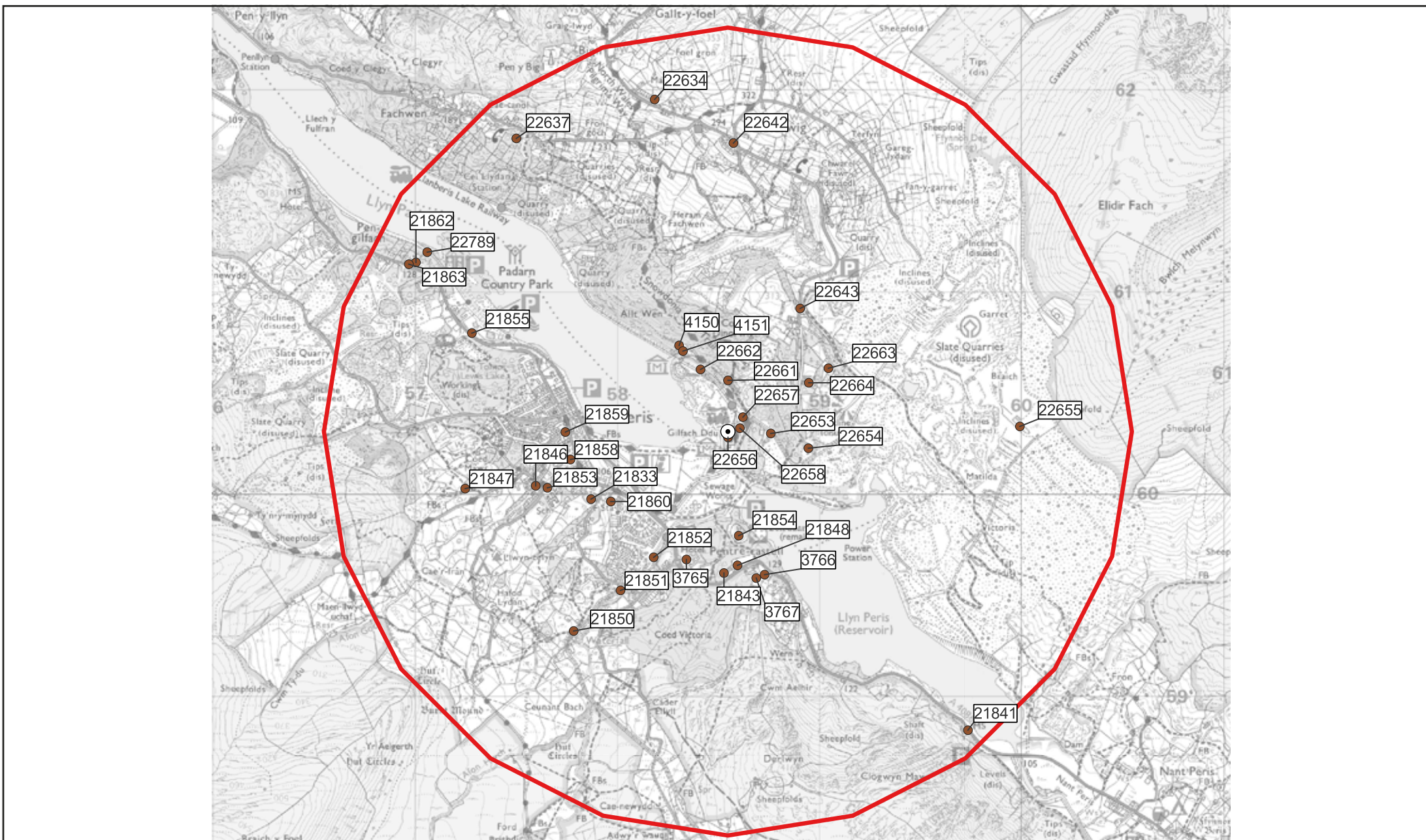


Figure 7. Listed Buildings within search area.

- Listed Buildings
- National Slate Museum



0 500 1,000 m





Figure 8. HER's within 500m of National Slate Museum.

● Historic Environment Records



0 100 200 m

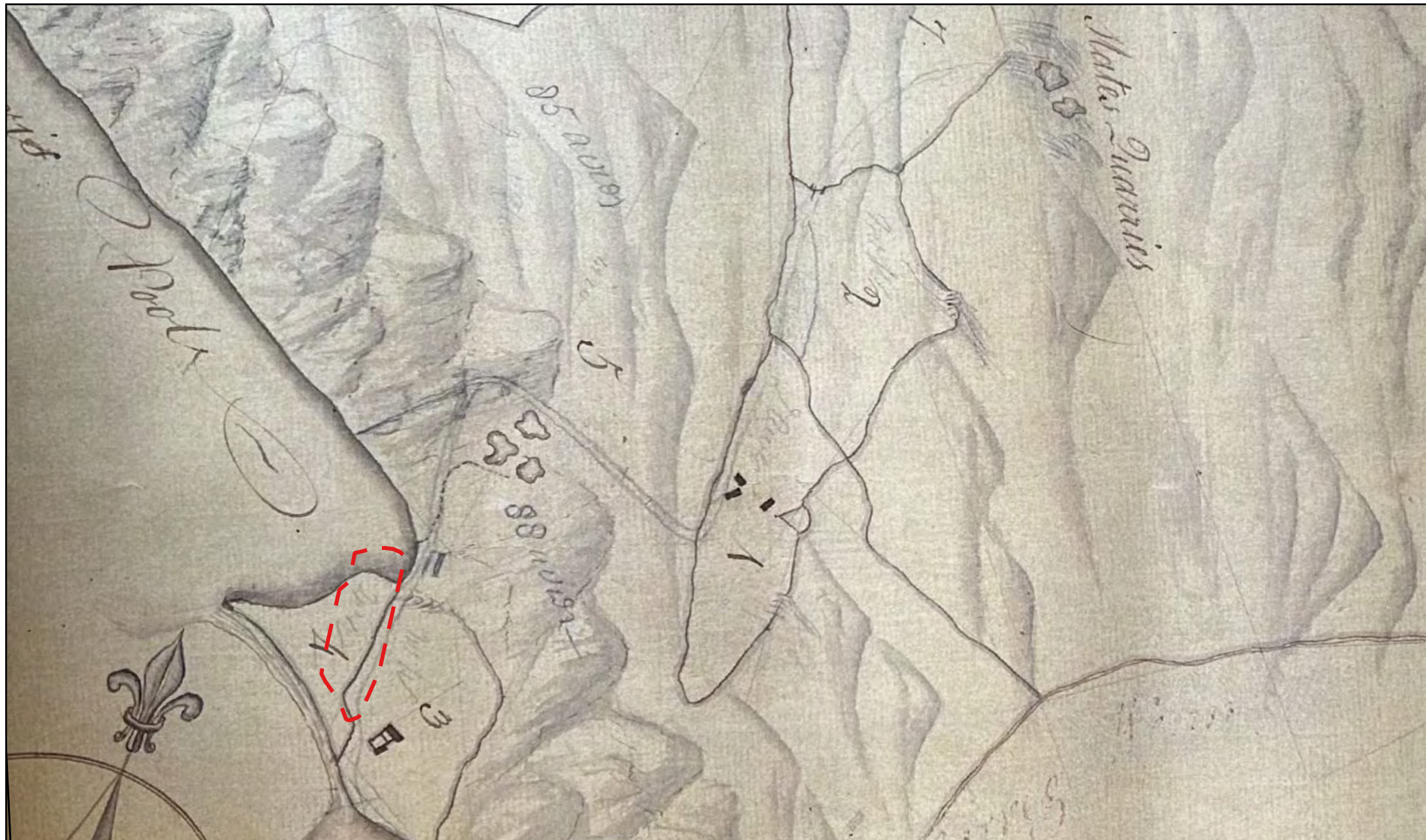


Figure 9. Detail of 1777 Vaynol Estate Survey, approximately georeferences.



Approximate site location

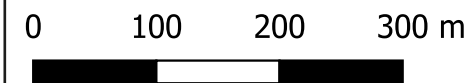




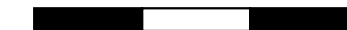
Figure 10. Detail of 1832 Vaynol Estate Survey, approximately georeferenced.



Approximate site location



0 100 200 300 m



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Figure 11. Detail of the 1839 Tithe map, Map of the parish of Llanddeiniolen in the County of Carnarvon, approximately georeferenced.



Approximate site location



0 100 200 300 m



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Figure 12. Detail of Vaynol Estate survey, probable date 1869, approximately georeferenced.

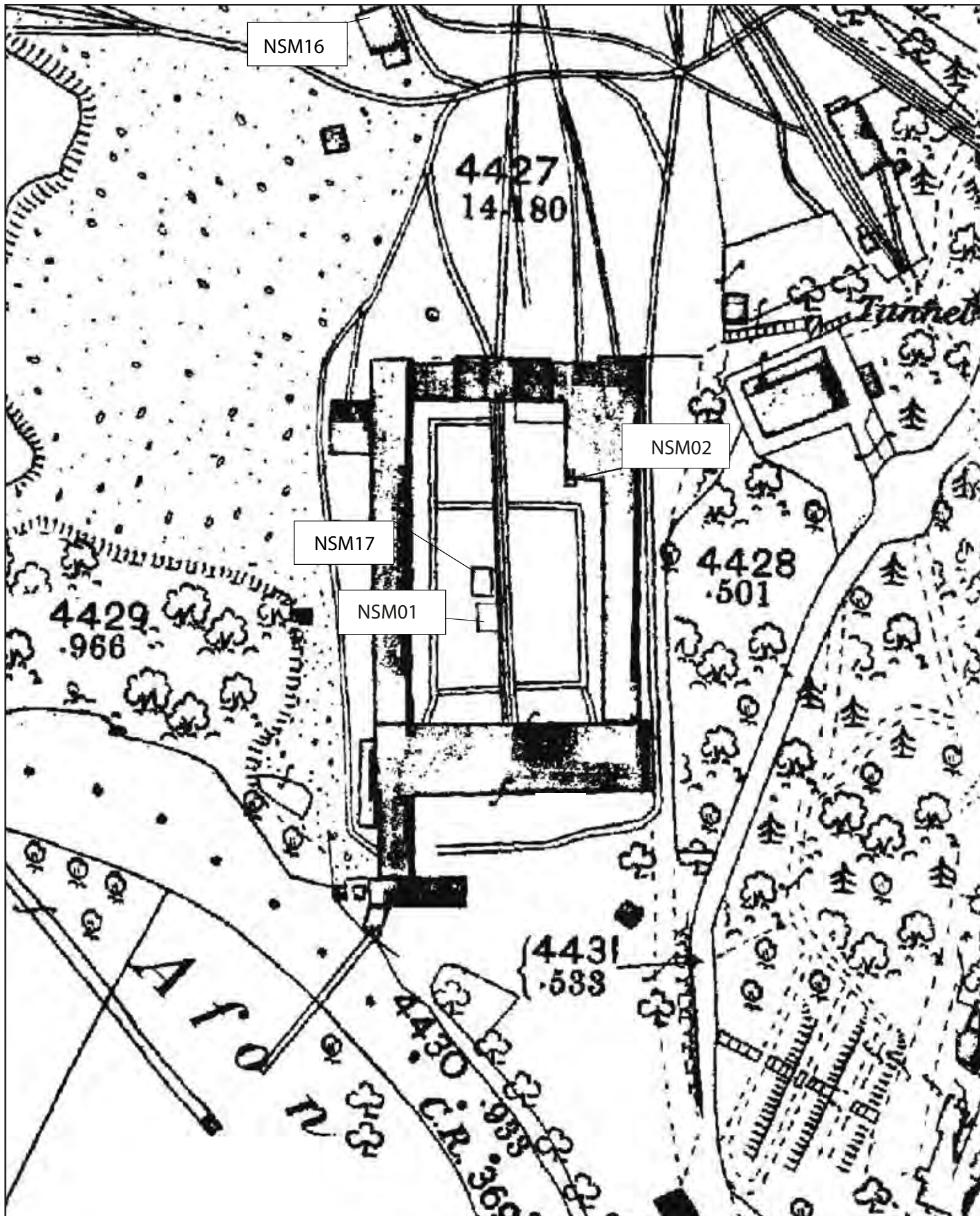


Figure 13. First Edition Ordnance Survey County Series, Caernarvonshire XVI.8, 1889.

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0 25m 50m

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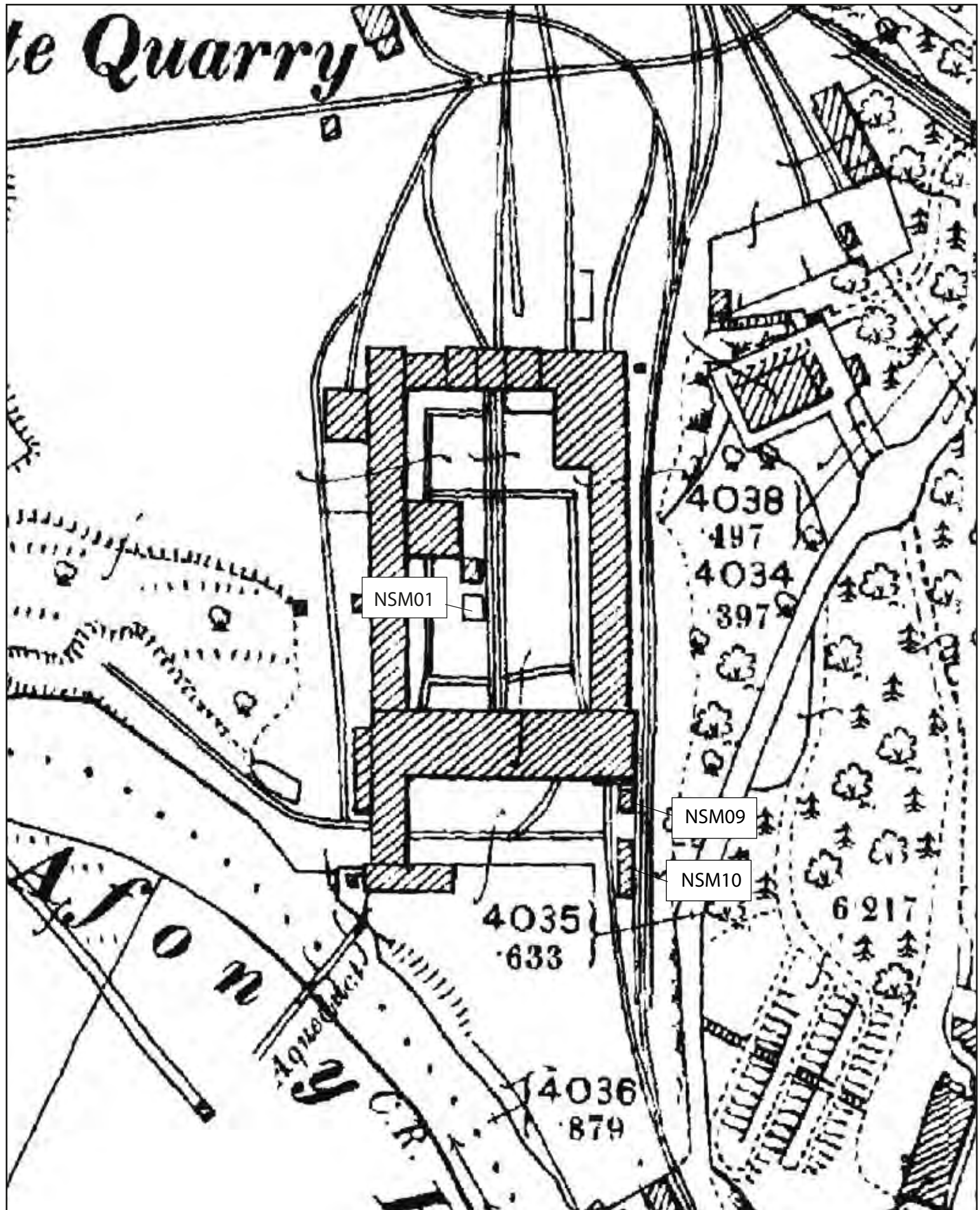
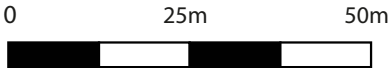


Figure 14. Second Edition Ordnance Survey County Series, Carnarvonshire XVI.8, 1900.

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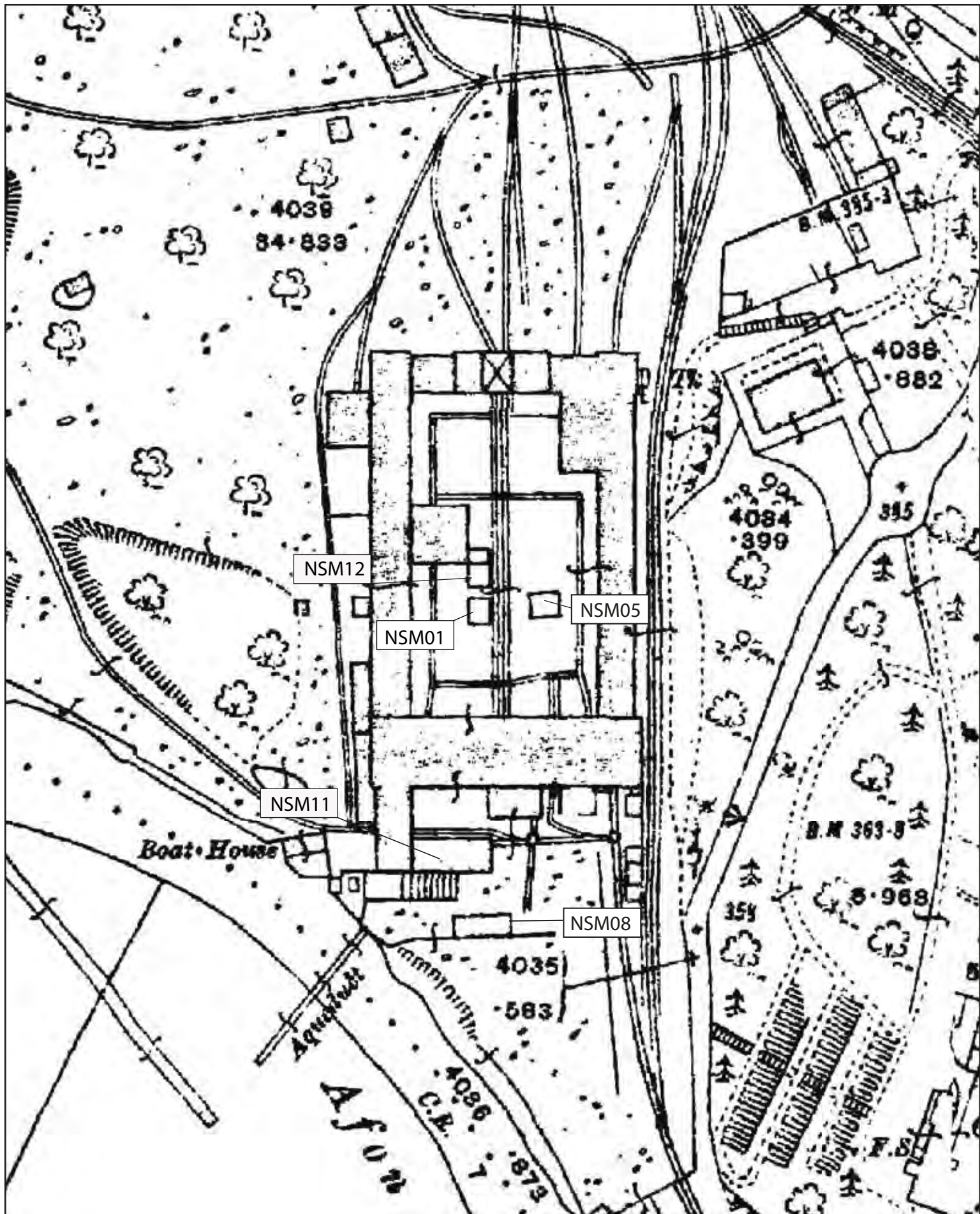
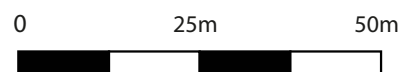


Figure 15. Ordnance Survey County Series, Carnarvonshire XVI.8, 1914.

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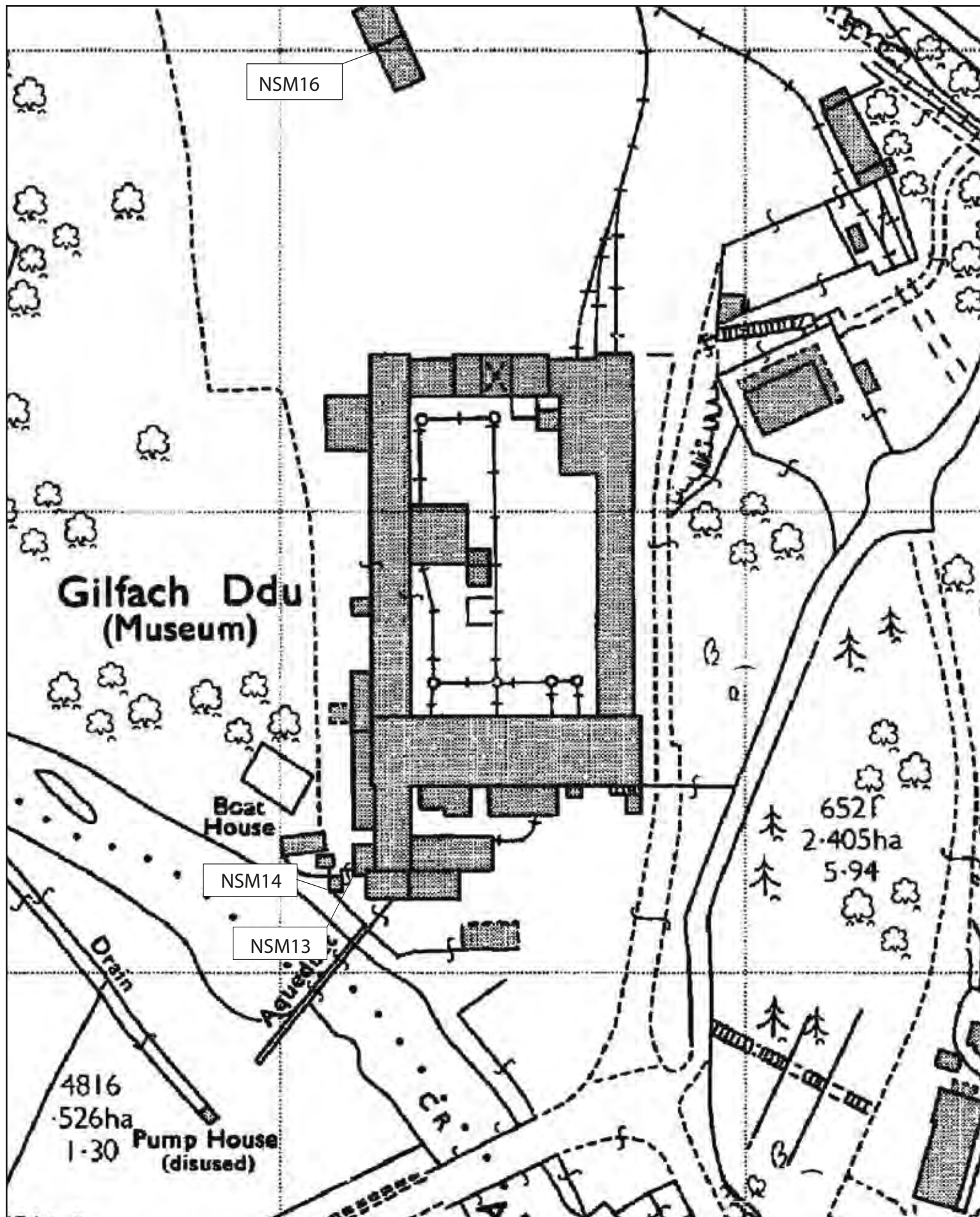


Figure 16. Ordnance Survey SH5860-SH5960, 1975.

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0 25m 50m

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Figure 17. Aerial photograph - OS1973.

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0 30m 60m



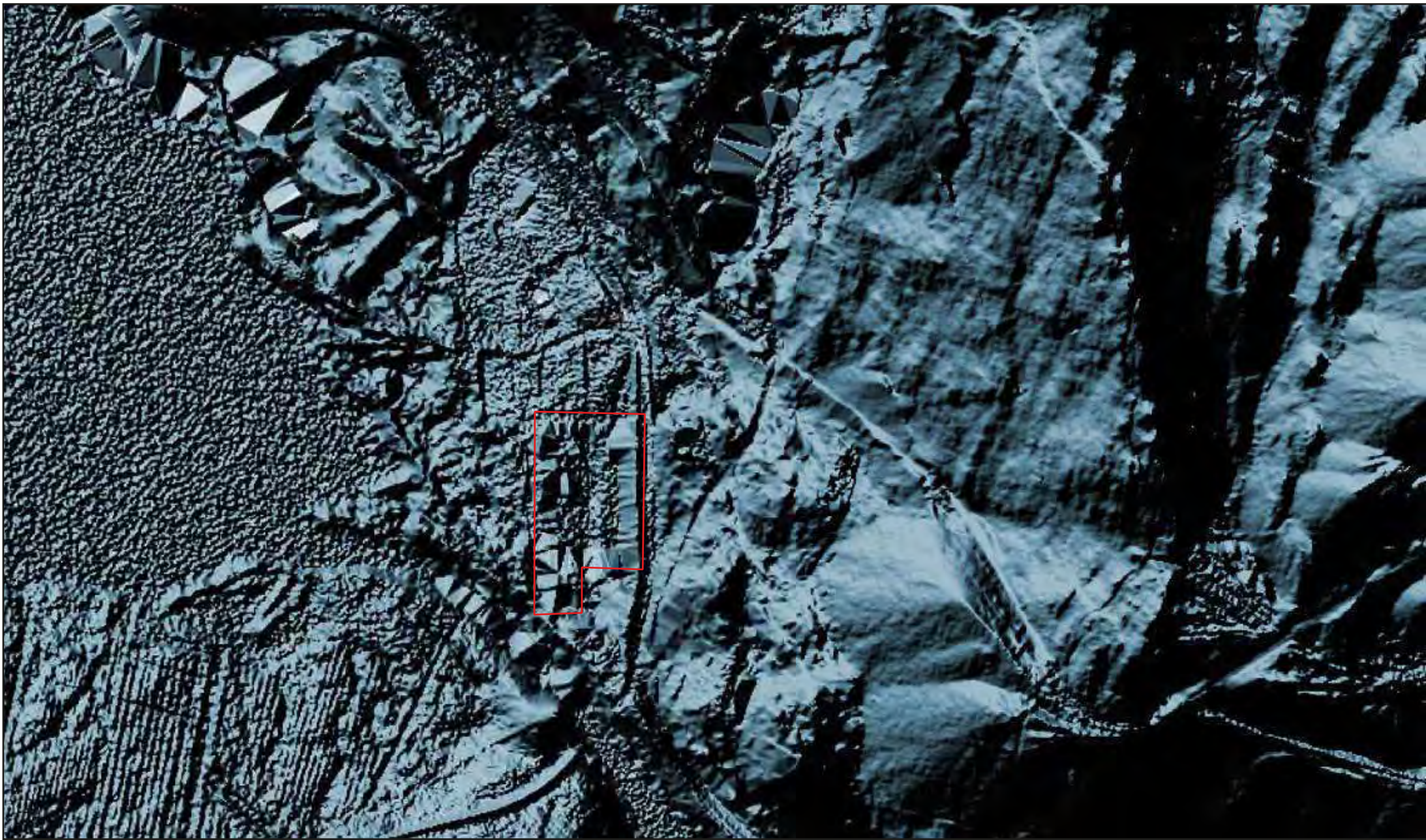
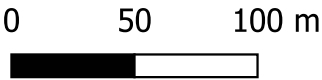


Figure 18. LiDAR 1m DTM - Hillshade.



Approximate location of
National Slate Museum



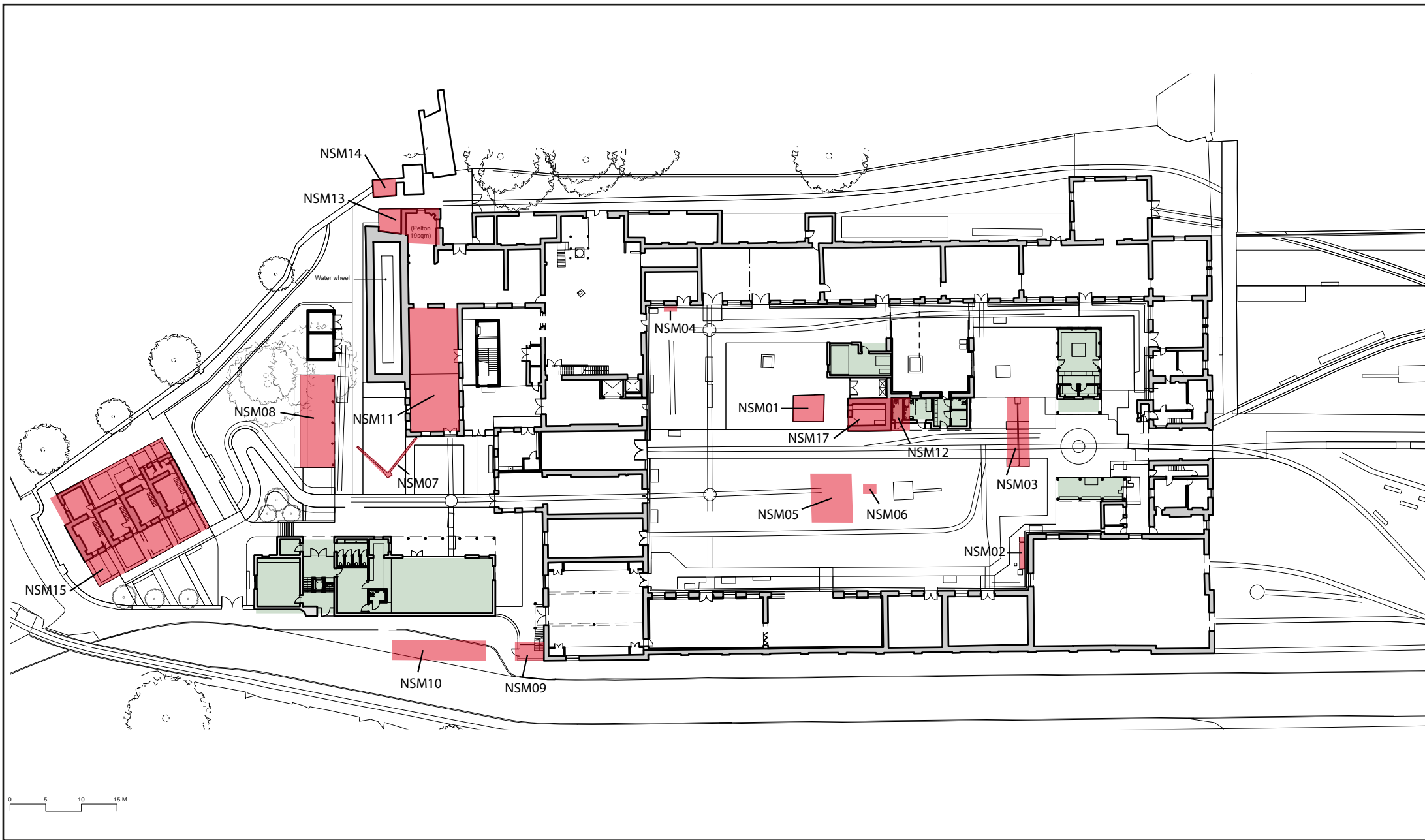
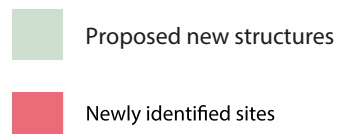


Figure 20. Proposed layout showing the locations of newly identified sites





Plates



Plate 1. National Slate Museum, façade and common ground. View south.



Plate 2. National Slate Museum entrance. View south.



Plate 3. General view of inner yard. View south.



Plate 4. Inner yard, with crane NSM03. View southwest.



Plate 5. Inner yard, detail of wagons. View southeast.



Plate 6. Inner yard, coal storage NSM01 on background. View northeast.



Plate 7. Inner yard. View north-northeast toward site entrance.



Plate 8. Rear yard, crane NSM07 on background. View south-southeast.



Plate 9. Rear yard, wheel pit (CN163) to the left of the image. View north-northwest.



Plate 10. Rear yard, with wheel pit (CN163) and crane NSM07.



Plate 11. Coal store – NSM01. View west.



Plate 12. Oil crane – NSM02. View north-northeast.



Plate 13. View of slate water tank. View west.



Plate 14. Crane – NSM07. View west.



Plate 15. Drying shed – NSM08. View south.



Plate 16. Waterwheel (CN163). View west.



Plate 17. Hafod Owen Winding Engine (CN163). View west-northwest.



Plate 18. Locomotive shed (CN163). View north-northwest.



Plate 19. Roof of Gilfach Ddu, including the red brick waterwheel housing, visible from Castell Dolbadarn. View north.



Appendix I: Gazetteer of sites on regional HER

HENEB: GWYNEDD

HISTORIC ENVIRONMENT RECORD

ENQUIRY REPORT - CORE RECORDS

Enquiry reference number: GATHER2065

Prepared by: Derby, S., Heneb: Gwynedd Region

Produced for: Irene Garcia Rovira, Archaeology Wales

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Search Criteria:

500m Search, Llanberis Slate Museum

PRN 100581

NAME Electric Mountain Visitor Centre, Llanberis

NGR SH5810860058

COMMUNITY Llanberis

PERIOD AND TYPE MODERN, PUBLIC BUILDING, Sitetype ranking: 1

SUMMARY A modern visitor centre.

DESCRIPTION

EVIDENCE BUILDING

CONDITION INFORMATION

CONDITION: NOT KNOWN CONDITION RATING: NOT KNOWN DESCRIPTION: None Recorded RELATED EVENT
PRN: 46612 YEAR: 2023

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT46612 Electric Mountain: Photographic Record 2023

ASSOCIATED ARTEFACTS

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

SOURCES

Digital Photograph: 2023, Electric Mountain: Photographic Record, , , , Digital FI File EPRN46612

, ,

ARCHWILIO URL

<http://archwilio.org.uk/arch/query/page.php?watprn=GAT100581>

PRN 20087

NAME Vivian Slate Quarry, Llanberis

NGR SH5852060491

COMMUNITY Llanddeiniolen

PERIOD AND TYPE POST MEDIEVAL, SLATE QUARRY, Sitetype ranking: 1

SUMMARY

DESCRIPTION This site, run as a department of Dinorwic quarry, contains an outstanding run of the "trwnc" type of inclines. The significant remains here are already scheduled. (Davidson, Dutton, Flook & Gwyn, 1995)

EVIDENCE**CONDITION INFORMATION**

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

STATUS Scheduled Monument CN198

CROSS REFERENCES

National Monuments Record Wales NPRN 40571

ASSOCIATED EVENTS

GAT40138 Gwynedd Quarrying Landscapes: Slate Quarries 1994

GAT40404 Excavation and Survey of the V2 Incline, Vivian Quarry, Llanberis 1997

GAT40443 The Restoration of the V2 Incline (final Copy) 1998

GAT44103 The Maritime Archaeology of the Welsh Slate Trade 2009

GAT44419 Gwynedd Slate Quarries: An Archaeological Survey 1994-5 1995

ASSOCIATED ARTEFACTS

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

SOURCES

Article: Hopewell, D. 1992, Vivian Quarry, Llanberis, Archaeology in Wales, Vol. 32, p. 88, HER Library Record No. 716

Book: Boyd, J. I. C. 2001, Narrow Gauge Railways in North Caernarvonshire Volume III: The Dinorwic Quarry and Railways, The Great Orme Tramway and Other Rail Systems, , , , HER Library Record No 2396

Book: Gwyn, D. 2015, Welsh Slate: Archaeology and History of an Industry, , , , HER Library Record No 2395

Book: Richards, A. J. 1991, A Gazetteer of the Welsh Slate Industry, , , , HER Library Record No. 414

Report: Davidson, A., Dutton, D., Flook, H. & Gwyn, D. Rh. 1995, Gwynedd Slate Quarries: An Archaeological Survey 1994-5, , , , GAT Report No. 154

Report: Davidson, A., Dutton, D., Flook, H. & Gwyn, D. Rh. 1995, Gwynedd Slate Quarries: An Archaeological Survey 1994-5. Appendix 1 Part 1, , , , GAT Report No. 154
Report: Davidson, A., Dutton, D., Flook, H. & Gwyn, D. Rh. 1995, Gwynedd Slate Quarries: An Archaeological Survey 1994-5. Appendix 1 Part 2, , , , GAT Report No. 154
Report: Davidson, A., Gwyn, D. Rh., Jones, G. P. & Riley, H. 1994, Gwynedd Quarrying Landscapes: Slate Quarries, , , , GAT Report No. 129
Report: Dutton, A. 1998, The Restoration of the Vivian V2 Incline, Including the Development of the rear yard of the former Dinorwix Quarry Workshops, Gilfach Ddu, Llanberis: Archaeological Excavation and Interpretation. , , , , Report No. 305
Report: Dutton, L. A. 1997, Excavation and Survey of the V2 Incline, Vivian Quarry, Llanberis, , , , GAT Report No. 259

, Dinorwic Q, PASSIM <6>

Brandon, K., Callan, N., Scott, G. & Webster, S. Wessex Archaeology 2009 , The Maritime Archaeology of the Welsh Slate Trade, 53111.02S4 <7>

Lindsay, J. 1974 , A History of the North Wales Slate Industry, P 145 <3>

Plas Tan y Bwlch , Survey of Dinorwic Quarry, PASSIM <5>

ARCHWILIO URL

PRN 2441

NAME Anglesey Quarry and 'A' Incline, Dinorwic Quarry

NGR SH58826019

COMMUNITY Llanddeiniolen

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

SUMMARY

DESCRIPTION SH586604 – SH590602. The 'A' incline at Dinorwic Quarry Barracks has been scheduled. (For further details of Dinorwic Quarry see PRN 2442). <1> SMC Correspondence in FI File. The scheduled area around the quarry barracks has been extended to include the two latrine blocks to the rear of each barrack block and also includes the small detached house, possibly accommodation for a foreman or more senior worker which lies to the south west. <6>

EVIDENCE STRUCTURE

CONDITION INFORMATION

CONDITION: NOT KNOWN CONDITION RATING: NOT KNOWN DESCRIPTION: None Recorded RELATED EVENT PRN: 45965 YEAR: 2020

STATUS Scheduled Monument CN177

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT42416 Cn 177 Fmw Site Visit 1985

GAT42417 Cn 177 Fmw Site Visit 1988

GAT42418 Cn 177 Fmw Site Visit 1991

GAT42419 Cn 177 Fmw Site Visit 1996

GAT45965 HER Evidence Data Cleansing Exercise 2020

ASSOCIATED ARTEFACTS

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

SOURCES

Correspondence: Smith, N. 2024, Application for Scheduled Monument Consent: Dinorwic Quarry Barracks 'A' Incline (CN177), , , , Digital FI File: PRN2441

Document: Derby, S. 2020, HER Evidence Data Cleansing Exercise, , , , Digital FI File: EPRN45965

Cadw 2004 , Revision Cn177, <6>

Davidson, A. 1985 , Dinorwic Quarry Barracks, C177 <2>

Davidson, A. 1991 , Dinorwic Quarry Barracks 'A' Incline, C177 <4>

Mason, M. 1996 , Dinorwic Quarry Barracks 'A' Incline, C177 <5>

Ordnance Survey 1982 , SH56SE 27, <1>

Yates, M. 1988 , Dinorwic Quarry Barracks 'A' Incline, C177 <3>

Yates, M. 2004 , Dinorwic Quarry Barracks 'A' Incline, <7>

ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT2441>

PRN 2442

NAME Dinorwic Workshop Complex, Llanberis

NGR SH5855060300

COMMUNITY Llanddeiniolen

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

SUMMARY

DESCRIPTION Dinorwic slate quarry, situated at Gilfach Ddu on the SE shore of Lake Padarn, was first worked in 1809. The complex of buildings surrounding a quadrangle were erected in 1870 and include saw-sheds, pattern making shops, a foundry with cupola, a hand operated wooden crane date 1872, blacksmith's shops, fitting shops, stores, engine sheds and a canteen. From 1870 to 1925 all the machines were powered by a waterwheel (still surviving) 16.5 m diameter. Formerly one of the most important slate producing centres in Britain, it closed in 1969 and came under the guardianship of the Department of the Environment, it is now part of the National Museum of Wales. Correspondence in FI file Amendment to SAM area 16/02/00. <8>

EVIDENCE STRUCTURE

CONDITION INFORMATION

CONDITION: NOT KNOWN CONDITION RATING: NOT KNOWN DESCRIPTION: None Recorded RELATED EVENT PRN: 45965 YEAR: 2020

STATUS Listed Building 22656 I, Scheduled Monument CN163-4

CROSS REFERENCES

National Monuments Record Wales NPRN 33613, National Monuments Record Wales NPRN 33618, National Monuments Record Wales NPRN 40559

ASSOCIATED EVENTS

GAT40517 Restoration of Waterwheel, Header Tank and Rising Main at Gilfach Ddu, Llanberis 2000

GAT40625 Swivel Crane, Welsh Slate Museum, Llanberis 2003

GAT42420 Cn 163-4 Fmw Site Visit 1985

GAT42421 Cn 163-4 Fmw Site Visit 1991

GAT44091 The Iron Waterwheel at Gilfach Ddu: Archaeological Monitoring and Recording at the Welsh Slate Museum, Llanberis 2001

GAT44103 The Maritime Archaeology of the Welsh Slate Trade 2009

GAT45034 Dinorwig Power Station, Llanberis 2017

GAT45965 HER Evidence Data Cleansing Exercise 2020

ASSOCIATED ARTEFACTS

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

SOURCES

Document: Derby, S. 2020, HER Evidence Data Cleansing Exercise, , , , Digital FI File: EPRN45965
Report: Davidson, A. 2003, Swivel Crane, Welsh Slate Museum, Llanberis, , , , GAT Report No. 489
Report: Dutton, L. A. 2000, Restoration of Waterwheel, Header Tank and Rising Main at Gilfach Ddu, Llanberis, , , , GAT Report No. 376
Report: Reilly, S. 2017, Dinorwig Power Station, Llanberis: Archaeological Watching Brief, , , , GAT Report No. 1388

Brandon, K., Callan, N., Scott, G. & Webster, S. Wessex Archaeology 2009 , The Maritime Archaeology of the Welsh Slate Trade, 53111.02S4 <13>
Cadw 2000 , Dinorwic Quarry Workshop Complex, REVISED C163 <8>
Davidson, A. 1985 , Slate Haulage Table Incline, <5>
Davidson, A. 1991 , Slate Haulage Table Incline, <6>
Gwyn, D. & Williams, M. 1996 , A Guide to the Industrial Archaeology of North West Wales, p.14 <14>
Hudson, K. 1976 , Industrial Archaeology, <2>
National Museum of Wales 1997 , PRN 2442, Taken prior to construction of Museum offices and shop, in magazine file on shelf 30 <9>
Ordnance Survey 1979 , SH56SE 25, <1>
Rees, D. M. 1975 , Archaeological Journal, Vol 132 p291 <3>
Rees, D. M. 1975 , Industrial Archaeology of Wales, p237 <4>
Roberts, D. 1986 Technoleg Draddodiadol Yng Ngilfach Ddu, Transactions of the Caernarvonshire Historical Society, Vol. 47, copy in FI file also with translation. <7>

ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT2442>

PRN 2450

NAME Vivian Slate Quarry, Llanberis

NGR SH586606

COMMUNITY Llanddeiniolen

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

SUMMARY

DESCRIPTION The Vivian slate quarry, Llanberis, is part of the Dinorwic quarries complex. Operating between 1873 and 1960, it was worked on the gallery system, with seven ascending terraces cut into the hillside at 60ft intervals. Each level had blast shelters, slate-splitting sheds and cabans. <3> Gwynedd County Council contracted Acer Consultants Ltd. to carry out stabilising work on a marginally stable skin wall on the lower retaining wall at Vivian Quarry. GAT contracted for black and white photographic recording to identify individual slates of the wall. Index and catalogue produced the post-conservation photographic stage. (Ward 1993)

EVIDENCE LANDSCAPE

CONDITION INFORMATION

CONDITION: NOT KNOWN CONDITION RATING: NOT KNOWN DESCRIPTION: None Recorded RELATED EVENT PRN: 45965 YEAR: 2020

STATUS Scheduled Monument CN198

CROSS REFERENCES

National Monuments Record Wales NPRN 40571

ASSOCIATED EVENTS

GAT40404 Excavation and Survey of the V2 Incline, Vivian Quarry, Llanberis 1997
GAT40443 The Restoration of the V2 Incline (final Copy) 1998
GAT42423 Cn 198 Fmw Site Visit 1989
GAT42424 Cn 198 Fmw Site Visit 1996
GAT45965 HER Evidence Data Cleansing Exercise 2020

ASSOCIATED ARTEFACTS

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

SOURCES

Article: Ward, M. 1993, Vivian Quarry, Llanberis, Archaeology in Wales, Vol.33, p.88, HER Library Record No.716
Book: Gwyn, D. & Williams, M. 1996, A Guide to the Industrial Archaeology of North West Wales, , , , HER Library Record No 2281
Document: Derby, S. 2020, HER Evidence Data Cleansing Exercise, , , , Digital FI File: EPRN45965
Report: Dutton, A. 1998, The Restoration of the Vivian V2 Incline, Including the Development of the rear yard of the former Dinorwix Quarry Workshops, Gilfach Ddu, Llanberis: Archaeological Excavation and Interpretation. , , , , Report No. 305
Report: Dutton, L. A. 1997, Excavation and Survey of the V2 Incline, Vivian Quarry, Llanberis, , , , GAT Report No. 259

Royal Commission on Ancient and Historic Monuments , Recording the Past: Scanning the Slate Industry, <3>
Mason, M. 1996 , Vivian Slate Quarry Etc, C198 <2>
Yates, M. 1989 , Vivian Slate Quarry Etc, C198 <1>

ARCHWILIO URL

<http://archwilio.org.uk/arch/query/page.php?watprn=GAT2450>

PRN 34495

NAME Water Wheel, Gilfach Ddu

NGR SH5853060221

COMMUNITY Llanddeiniolen

PERIOD AND TYPE MODERN, WATER WHEEL, Sitetype ranking: 1

SUMMARY A waterwheel fully enclosed within the wheelpit and originally served by a header tank that in turn was supplied by a gravity-fed rising main. Reaching an impressive height of 55ft 5 in, it is the largest surviving waterwheel on mainland Britain and was fabricated in sections by De Winton's Ironworks of Canerfon. The wheel has undergone intermittent repair since its original construction in 1870 and is now in need of complete refurbishment.

DESCRIPTION Large overshot waterwheel, assembled 1870, providing power for Dinorwic Quarry workshops. (Evans and Burnett, 2012) In conjunction to other sites within the area, Gwynedd Archaeological Trust was further commissioned by the National Museums of Wales to undertake a full structural survey of the back-shot waterwheel at the Welsh Slate Museum (formerly the Dinorwic Quarry Workshops, SAM Cn 163) at Gilfach Ddu. The survey was carried out during the early summer of 1998, when the waterwheel was out of operation and closed off from public access. Due to the commitments of the Welsh Slate Museum, the wheel could only be de-commissioned for a period of ten working days. It is intended to restore the wheel as part of the ongoing project funded by the Heritage Lottery Fund to improve visitor attractions and amenities at the Welsh Slate Museum. All pending work requires a Scheduled Monument Consent and the resulting survey is a pre-requisite for granting consent through the offices of Cadw: Welsh Historic Monuments. Archive search and other lines of enquiry strongly suggest that there is no contemporary or later survey of the waterwheel in existence and accordingly the present survey sought to record the location of as many individual components of the structure as possible. The purpose for this level of detail is to allow the identification of specific elements during the restoration process. The full survey results are recorded in GAT 306. (Dutton, 1998)

EVIDENCE DOCUMENTARY EVIDENCE

CONDITION INFORMATION

CONDITION: NOT KNOWN CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED
EVENT PRN: 45048 YEAR: 2012

STATUS None Recorded

CROSS REFERENCES

National Monuments Record Wales NPRN 33613

ASSOCIATED EVENTS

GAT44091 The Iron Waterwheel at Gilfach Ddu: Archaeological Monitoring and Recording at the Welsh Slate Museum, Llanberis 2001

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

ASSOCIATED ARTEFACTS

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

SOURCES

Article: Dutton, L.A. 1998, Gilfach Ddu, Llanberis, 55ft 5in Waterwheel, Archaeology in Wales, Vol.38, p.159, HER Library Record No.716

Correspondence: Roberts, D. 2016, CN163: National Slate Museum Water Wheel Works , , , Digital FI File: 34495

Report: Dutton, L. A. 2001, The Iron Waterwheel at Gilfach Ddu: Archaeological Monitoring and Recording at the Welsh Slate Museum, Llanberis, , , , GAT Report No. 430

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

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT34495>

PRN 36548

NAME Rock Cannon, Parc Victoria, Llanberis

NGR SH58455981

COMMUNITY Llanberis

PERIOD AND TYPE POST MEDIEVAL, ROCK CANNON, Sitetype ranking: 1

SUMMARY**DESCRIPTION****EVIDENCE STRUCTURE****CONDITION INFORMATION**

CONDITION: NOT KNOWN CONDITION RATING: NOT KNOWN DESCRIPTION: None Recorded RELATED EVENT
PRN: 45965 YEAR: 2020

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45965 HER Evidence Data Cleansing Exercise 2020

ASSOCIATED ARTEFACTS

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

SOURCES

Book: Jones, G. R. 2002, The Rock Cannon of Gwynedd, , , , HER Library Record No. 145

Document: Derby, S. 2020, HER Evidence Data Cleansing Exercise, , , , Digital FI File: EPRN45965

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT36548>

PRN 36549

NAME Rock Cannon, Castell Dolbadarn, Llanberis

NGR SH58605981

COMMUNITY Llanberis

PERIOD AND TYPE POST MEDIEVAL, ROCK CANNON, Sitetype ranking: 1

SUMMARY

DESCRIPTION No. 2 (Jones 2002)

EVIDENCE STRUCTURE

CONDITION INFORMATION

CONDITION: NOT KNOWN CONDITION RATING: NOT KNOWN DESCRIPTION: None Recorded RELATED EVENT

PRN: 45965 YEAR: 2020

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45965 HER Evidence Data Cleansing Exercise 2020

ASSOCIATED ARTEFACTS

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

SOURCES

Book: Jones, G. R. 2002, The Rock Cannon of Gwynedd, , , , HER Library Record No. 145

Document: Derby, S. 2020, HER Evidence Data Cleansing Exercise, , , , Digital FI File: EPRN45965

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT36549>

PRN 36550

NAME Rock Cannon, Castell Dolbadarn, Llanberis

NGR SH58605982

COMMUNITY Llanberis

PERIOD AND TYPE POST MEDIEVAL, ROCK CANNON, Sitetype ranking: 1

SUMMARY

DESCRIPTION No. 3 (Jones 2002)

EVIDENCE STRUCTURE

CONDITION INFORMATION

CONDITION: NOT KNOWN CONDITION RATING: NOT KNOWN DESCRIPTION: None Recorded RELATED EVENT
PRN: 45965 YEAR: 2020

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45965 HER Evidence Data Cleansing Exercise 2020

ASSOCIATED ARTEFACTS

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

SOURCES

Book: Jones, G. R. 2002, The Rock Cannon of Gwynedd, , , , HER Library Record No. 145

Document: Derby, S. 2020, HER Evidence Data Cleansing Exercise, , , , Digital FI File: EPRN45965

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT36550>

PRN 36551

NAME Rock Cannon, Castell Dolbadarn, Llanberis

NGR SH58605985

COMMUNITY Llanberis

PERIOD AND TYPE POST MEDIEVAL, ROCK CANNON, Sitetype ranking: 1

SUMMARY

DESCRIPTION No. 1 (Jones 2002)

EVIDENCE STRUCTURE

CONDITION INFORMATION

CONDITION: NOT KNOWN CONDITION RATING: NOT KNOWN DESCRIPTION: None Recorded RELATED EVENT
PRN: 45965 YEAR: 2020

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45965 HER Evidence Data Cleansing Exercise 2020

ASSOCIATED ARTEFACTS

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

SOURCES

Book: Jones, G. R. 2002, The Rock Cannon of Gwynedd, , , , HER Library Record No. 145

Document: Derby, S. 2020, HER Evidence Data Cleansing Exercise, , , , Digital FI File: EPRN45965

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT36551>

PRN 5492

NAME Ridge and Furrow, Llanberis

NGR SH582601

COMMUNITY Llanberis

PERIOD AND TYPE UNKNOWN, RIDGE AND FURROW, Sitetype ranking: 1

SUMMARY

DESCRIPTION

EVIDENCE EARTHWORK

CONDITION INFORMATION

CONDITION: NOT KNOWN CONDITION RATING: NOT KNOWN DESCRIPTION: None Recorded RELATED EVENT
PRN: 45965 YEAR: 2020

STATUS Snowdonia National Park

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45965 HER Evidence Data Cleansing Exercise 2020

ASSOCIATED ARTEFACTS

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

SOURCES

Correspondence: Blackhall-Miles, R., & Derby, S. 2021, PRN5492: Ridge and Furrow, Llanberis, , , , Digital FI
File: 5492

Document: Derby, S. 2020, HER Evidence Data Cleansing Exercise, , , , Digital FI File: EPRN45965

Thompson, D. 1992 , PRN 5492, <1>

ARCHWILIO URL

<http://archwilio.org.uk/arch/query/page.php?watprn=GAT5492>

PRN 5550

NAME Castell Dolbadarn, Llanberis

NGR SH5860359791

COMMUNITY Llanberis

PERIOD AND TYPE MEDIEVAL, CASTLE, Sitetype ranking: 1

SUMMARY Dolbadarn Castle stands in a dramatic location overlooking the lakes of Llyn Padarn and Llyn Peris,

almost certainly built by Llywelyn ap Iorwerth to control access through the Snowdonian mountain passes. The castle is believed to be the prison in which Llywelyn ap Gruffudd imprisoned his brother, Owain, for twenty years. After Llywelyn's death in 1283, his brother Dafydd issued two deeds from the castle, styling himself Prince of Wales and Lord of Snowdon. He was captured shortly afterwards and executed in Shrewsbury. After his death, timber from the castle was removed for reuse by Edward I in Caernarfon Castle. The castle consists of a strong circular keep surrounded by a curtain wall with another five buildings or towers built into its circuit. The wall and its buildings differ from the keep in that they are built of unmortared stone and survive only as footings. The keep, on the other hand, is well constructed, a smaller version of those being built by the Marcher Lords in South Wales. It was entered at first floor level, originally by means of a wooden stair, now replaced in stone. The entrance was protected by a portcullis and the first floor room had a fireplace and latrine. The second floor had a small bedroom and latrine behind the fireplace and may have been the location for Owain's long incarceration. Of the external buildings, two are towers (on the south and west sides), one is a hall and the eastern most building is later, probably built by Edward for whom it remained a royal manor.

DESCRIPTION Stands on a low ridge overlooking Llyn Peris. It consists of a round tower or keep of moorland masonry, and the ruins of an attached courtyard or bailey of dry stone walling with rectangular wall towers and constituent buildings. There is a suggestion that it is on top of an older site from the C6th built by Maelgwyn Gwynedd, but the present and remaining building dates from the C13th. It has been suggested that Llywelyn ap Gruffydd held his brother Owain Goch there a prisoner (c.1536-9) and that Edward I stayed there. <1> <8> <11> (RCAHMW, 1960) The site was not cleared and excavated until 1948. <13> The round tower, which is the best preserved section of the ruin, stands 48ft high and contained 3 floors. There is an enclosing wall or curtain, which follows the edge of a rock platform with the exception of the S, but the curtain probably followed the platform there as elsewhere. The hall and rectangular towers, although architecturally different in design and construction to the round tower, were probably built at the same time or just before the tower. The E building is supposed to have been built later than the other remains because of its oblique construction and is probably the site of the original entrance. (RCAHMW, 1960) The site is in good condition and is in the guardianship of Cadw. <18> "Consists of one tower of most excellent masonry and the hardest possible cement. The lower part of the Tower more projecting at the base, and for 4 feet high built of a thick slaty stone lying very close without Mortar. The present Tower, by its masonry seems to have experienced some of the touches of Edward the First, is entered by a large staircase from without leading to the grand and only Entrance, which had been guarded by a Portcullis, and opened on the first floor, there appearing to have been no entrance to the basement but from within. There were three stories, each having a fire place, and the first or principal having an oriel window. In the middle of the floor of the basement story there appears to have been a hole, either for a well or one of those Dungeons, like that at St. David's. On the North side an excrescence (square) of building, in the upper stories of which were small chambers, entered from the circular room, probably dormitories, the lower part being neces- saries. The walls very thick, not less than 4 feet. Diameter of Tower about 28 feet. Circumference from without about 150. The top appears to have been drawn into a cone a parapet wall round the Summit." (Fenton, 1813). Placed in the guardianship of the Ministry of Works, Ancient Monuments Branch in 1940 (Arch Cam Vol. C, 1949). "Work has been concentrated on exposing and treating the buried footings of the curtain wall and adjacent buildings, and on the removal of debris from the basement of the Round Tower. Foundations of four rectangular structures have been recovered. The Round Tower, probably built by Llywelyn the Great, appears to lie astride the earlier curtain, the masonry of which was bedded in clay." (The Inspector, 1949). "Consolidation of the curtain wall and of the foundation walls of buildings within the courtyard has been completed. Work has been begun on the Great Tower [Year Ending June 1950]. Work has continued on the Great Tower. A detailed survey has been carried out in order to provide plans and cross-sections of the building [Year Ending June 1951]." (The Inspector, 1951). "Work on consolidating the masonry of the round Keep Tower has been finished. This completes the work at the castle. A custodian's hut has been built in stone on a site to the west of the castle." (The Inspector, 1957). A brief account of Cambrian Archaeological Association excursion to the site in August 1937 with description and interpretation. (Lloyd Jones 1937). It is recorded that in 1284 timber was removed from Dolbadarn by the English builders working at Caernarvon. (Jones Pierce, Taylor, 1952). the three story round keep was built in the thirteenth century with provision for a portcullis in the first floor doorway. The keep is later in date than the surrounding structures (Arch Cam, 1980).

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: NOT KNOWN CONDITION RATING: NOT KNOWN DESCRIPTION: None Recorded RELATED EVENT
PRN: 45965 YEAR: 2020

STATUS Cared for by the State , Listed Building 21854 I, Scheduled Monument CN066

CROSS REFERENCES

National Monuments Record Wales NPRN 93541

ASSOCIATED EVENTS

GAT45965 HER Evidence Data Cleansing Exercise 2020

ASSOCIATED ARTEFACTS

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

SOURCES

Article: Brodie, H. 2015, Apsidal and D-shaped towers of the Princes of Gwynedd, Archaeologia Cambrensis, Vol. 164, P.231-243, HER Library Record No. 26

Article: Fenton, R. 1917, Tours In Wales, 1804-1813, Archaeologia Cambrensis, Vol. VIII, ,

Article: Inspector of Ancient Monuments for Wales 1949, Inspector of Ancient Monuments for Wales, Archaeologia Cambrensis, Vol. C, ,

Article: Inspector of Ancient Monuments for Wales 1950, Inspector of Ancient Monuments for Wales, 1951, Archaeologia Cambrensis, Vol. CI, ,

Article: Inspector of Ancient Monuments for Wales 1957, Inspector of Ancient Monuments for Wales, 1957, Archaeologia Cambrensis, Vol. CVI, ,

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ARCHWILIO URL

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PRN 57143

NAME Footbridge, NW of Dolbadarn Castle

NGR SH5848059902

COMMUNITY Llanberis

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

SUMMARY

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

EVIDENCE

CONDITION INFORMATION

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

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT44558 Glastir Private Woodland Management Polygonisation 2014

ASSOCIATED ARTEFACTS

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

SOURCES

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

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT57143>

PRN 57153

NAME Glan-y-bala, N of Pont y Bala

NGR SH5864360173

COMMUNITY Llanddeiniolen

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

SUMMARY

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

EVIDENCE

CONDITION INFORMATION

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

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT44558 Glastir Private Woodland Management Polygonisation 2014

ASSOCIATED ARTEFACTS

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

SOURCES

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

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT57153>

PRN 57154

NAME Water Wheel, S of Hafodty

NGR SH5895160528

COMMUNITY Llanddeiniolen

PERIOD AND TYPE POST MEDIEVAL, WATER WHEEL, Sitetype ranking: 1

SUMMARY

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

EVIDENCE**CONDITION INFORMATION**

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

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT44558 Glastir Private Woodland Management Polygonisation 2014

ASSOCIATED ARTEFACTS

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

SOURCES

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

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT57154>

PRN 57155

NAME Enclosure, W of Henty

NGR SH5887960555

COMMUNITY Llanddeiniolen

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

SUMMARY

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

EVIDENCE**CONDITION INFORMATION**

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

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT44558 Glastir Private Woodland Management Polygonisation 2014

ASSOCIATED ARTEFACTS

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

SOURCES

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

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT57155>

PRN 57162

NAME Building, SE of Dinorwic Quarry Hospital

NGR SH5838260671

COMMUNITY Llanddeiniolen

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

SUMMARY

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

EVIDENCE**CONDITION INFORMATION**

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

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT44558 Glastir Private Woodland Management Polygonisation 2014

ASSOCIATED ARTEFACTS

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

SOURCES

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

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT57162>

PRN 57163

NAME Two Buildings, NW of Restored Incline and Drumhouses at Vivian Slate Quarry, Llanberis

NGR SH5847960604

COMMUNITY Llanddeiniolen

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

SUMMARY

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

EVIDENCE**CONDITION INFORMATION**

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

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT44558 Glastir Private Woodland Management Polygonisation 2014

ASSOCIATED ARTEFACTS

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

SOURCES

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

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT57163>

PRN 59324

NAME Dinorwic Quarry Railway

NGR SH5853360479

COMMUNITY Llanberis

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

SUMMARY

DESCRIPTION A 1.22 metre (4') gauge railway from Dinorwic quarry (PRN: 20091) to y Felinheli (PRN: 20741) completed for horse traction in 1843 and which used steam locomotives from 1848, operating until October 1961. An unusual feature was the use of 1.22 metre gauge wagons to carry 0.6 metre gauge quarry wagons, a technique which may have been inspired by the Bargoed Coal Road. The stable depot at Craig y Dinas is a noteworthy feature. One of the two original locomotives of 1848 survives in the Penrhyn Castle Industrial Railway Museum. One of the 1.22 metre gauge wagons is preserved at the Narrow Gauge Museum in Tywyn. (Davidson and Gwyn, 2014) A 1.22m (4") gauge railway completed in 1842 to carry slate from Dinorwic quarry to an incline at Penscoins which connected it with the harbour at y Felinheli, a higher-capacity replacement for the Dinorwic quarry railroad of 1825, taking advantage of land newly-purchased by the Vaynol estate on the east shore of Llyn Padarn (hence the name 'Padarn Railway' by which it was and is informally known). The surveyor was Dr William Harland (1787-1866), and the consulting engineer was William Allcard (1809-1861) of the Grand Junction Railway; both men were members of the Stephenson circle. James and Charles Easton Spooner of Porthmadog, father and son, were responsible for the design, which used a transporter system whereby the quarry wagons were carried on the broader gauge transporters, a system which may have been inspired by the Bargoed coal road in South Wales. The principal contractor was Owen Jones of Penmachno, otherwise known as the bard and historian 'Gethin' (1816-1883). In 1971 the Llanberis Lake Railway, an 0.6m gauge tourist railway, was opened along part of its course but without using any of its historic buildings. This initially ran along the shore of Llyn Padarn between Gilfach Ddu and Cei Llydan; the line was extended northwest to Penllyn; in 1972 and southwest from Gilfach Ddu to Llanberis village on a completely new formation in 2003. The upper original terminus, operational from 1842 to 1870 was situated near SH 5916 5994 on the lake-level of Dinorwic slate quarry (NPRN: 40538; PRN: 20091) in the area known as Muriau. This is no longer evident, though the tunnel from Muriau to Gilfach Ddu (NPRN: 546219; PRN: 65582) is believed to survive; a locomotive shed adjacent to its northern portal which housed the locomotive Fire Queen (NPRN: 546220; PRN: 65583) is listed. The Dinorwic quarry workshops, now the National Slate Museum (NPRN: 93634; PRN: 2442) formed the engineering focus of the railway from 1870 to 1961, and was connected to it by sidings. The site of the 1870-1961 upper terminus at Gilfach Ddu at SH 5855 6045, where 0.6 metre gauge wagons were placed on the 1.22 metre gauge wagons is no longer evident. A listed single-track locomotive shed with an adjacent coaling stage and slate-slab water-tower is evident (NPRN: 546221; PRN: 65584). The formation leaves the Gilfach Ddu yard area under the Vivian quarry tipping arch of 1900 and runs along the shore of Llyn Padarn, on a formation that is in places a causeway and elsewhere carried on slate rubble, with some rock cutting on the landward side. This is now used by the Llanberis Lake Railway. At several points (e.g. SH 5780 6100 and SH 5742 6139) tips of slate rubble project to the lake-side of the railway, generated by the Ladas slate quarry (NPRN: 546334; PRN: 20079) and the Boundary slate quarry (NPRN: 546335; PRN: 20078). The lower terminus of the railway was at Penscoins (SH 5349 6780), whence an 0.6 metre gauge incline led to the harbour at y Felinheli (NPRN: 96228; PRN: 20741). In 1971 the Llanberis Lake Railway, an 0.6m gauge tourist railway, was opened along part of its course but without using any of its historic buildings. This initially ran along the shore of Llyn Padarn between Gilfach Ddu and Cei Llydan; the line was extended northwest to Penllyn (SH 5627 6217); in 1972 and southwest from Gilfach Ddu to Llanberis village (SH 5824 5989) on a completely new formation in 2003. (Barker and Gwyn, 2017)

EVIDENCE DOCUMENTARY EVIDENCE

CONDITION INFORMATION

CONDITION: NOT KNOWN CONDITION RATING: Not Recorded DESCRIPTION: RELATED EVENT PRN: 45028
YEAR: 2014

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45028 Gwynedd Slate Industry Transport Routes 2014

GAT45088 Gwynedd Slate Industry Transport Routes 2017

ASSOCIATED ARTEFACTS

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

SOURCES

: , , , , ,

Book: Boyd, J. I. C. 2001, Narrow Gauge Railways in North Caernarvonshire Volume III: The Dinorwic Quarry and Railways, The Great Orme Tramway and Other Rail Systems, , , , HER Library Record No 2396

Report: Barker, L., and Gwyn, D. 2017, Gwynedd Slate Industry Transport Routes, , , , Report No. GC401

Report: Davidson, A., and Gwyn, D. 2014, Gwynedd Slate Industry Transport Routes, , , , GAT Report 1207

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT59324>

PRN 60901

NAME Incline, Vivian Slate Quarry, Llanberis

NGR SH5854460557

COMMUNITY Llanddeiniolen

PERIOD AND TYPE POST MEDIEVAL, INCLINED PLANE, Sitetype ranking: 1

SUMMARY

DESCRIPTION The V2 incline was constructed to serve the Vivian department of Dinorwic Slate Quarries at an unknown date between 1873 and 1877, and remained in use until perhaps 1936. It may have been rebuilt in 1904 with iron travellers instead of the original wooden ones. In some respects it is a typical example of a type of feature once found throughout the North Wales slate industry, but it preserves many very distinctive features that were unique to Dinorwic Quarry. Restored to be used as a working exhibit as part of the National Slate Museum, Llanberis. (Dutton, 1997)

EVIDENCE STRUCTURE

CONDITION INFORMATION

CONDITION: RESTORED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT

PRN: 40404 YEAR: 1997

STATUS Listed Building 22661 II, Scheduled Monument CN198

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT40404 Excavation and Survey of the V2 Incline, Vivian Quarry, Llanberis 1997

GAT40443 The Restoration of the V2 Incline (final Copy) 1998

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Dutton, A. 1998, The Restoration of the Vivian V2 Incline, Including the Development of the rear yard of the former Dinorwic Quarry Workshops, Gilfach Ddu, Llanberis: Archaeological Excavation and Interpretation. , , , , Report No. 305

Report: Dutton, L. A. 1997, Excavation and Survey of the V2 Incline, Vivian Quarry, Llanberis, , , , GAT Report No. 259

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT60901>

PRN 60902

NAME Drumhouse, Vivian Slate Quarry, Llanberis

NGR SH5854860563

COMMUNITY Llanddeiniolen

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

SUMMARY

DESCRIPTION A substantial structure built of large, mainly hand dressed, slate blocks, although both gables above the level of the bearing are of smaller blocks. The drumhouse is open ended to the north facing the V3 incline, and to the south facing the head of the V2 incline. It is butted on the east side by a brakesman's cabin, (structure 3) to the south, and by a shelter, (structure 4), to the north. The structure was slate-roofed; the pitch of the original roof was probably slightly altered during restoration works in 1991. (Dutton, 1997)

EVIDENCE STRUCTURE

CONDITION INFORMATION

CONDITION: RESTORED CONDITION RATING: NOT RECORDED DESCRIPTION: RELATED EVENT PRN: 40404
YEAR: 1997

STATUS Listed Building 22661 II, Scheduled Monument CN198

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT40404 Excavation and Survey of the V2 Incline, Vivian Quarry, Llanberis 1997

GAT40443 The Restoration of the V2 Incline (final Copy) 1998

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Dutton, A. 1998, The Restoration of the Vivian V2 Incline, Including the Development of the rear yard of the former Dinorwix Quarry Workshops, Gilfach Ddu, Llanberis: Archaeological Excavation and Interpretation. , , , , Report No. 305

Report: Dutton, L. A. 1997, Excavation and Survey of the V2 Incline, Vivian Quarry, Llanberis, , , , GAT Report No. 259

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT60902>

PRN 60903

NAME Brakesman's Cabin, Vivian Slate Quarry, Llanberis

NGR SH5855160560

COMMUNITY Llanddeiniolen

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

SUMMARY

DESCRIPTION Located to the south east of the drumhouse on the same orientation, the cabin is built on the edge of the artificial terrace that has subsided slightly in the past - although little of the building now survives, it is clear that it was mortar-bonded and that some, if not all, of the internal elevations were rendered. The cabin is broadly contemporary with the incline being built over against some features of the drumhouse itself. The ground-plan of the cabin was recovered by clearance and limited excavation. One doorway is evident on the west side facing the crimp, butting the drumhouse - this is now infilled. There may have been another doorway at the north-eastern corner although the building is completely robbed away on this side. Two windows are evident from archive sources, one adjacent to the doorway to the west and another facing down the incline to the south. A fireplace was located in the centre of the south wall. The original floor surface has been removed but the level may be determined by presence of two massive slate slabs that served as an anchor for the "ship's wheel" capstan that controlled the movement of the brake arm. The setting for the capstan is recessed into the two slabs above which the connecting rod would have entered through the roof directly above. Although there is no surviving structural evidence, the archive photograph of 1896 shows that the roof was single pitched to the height of the eaves of the drumhouse roof. (Dutton, 1997)

EVIDENCE STRUCTURE

CONDITION INFORMATION

CONDITION: RESTORED CONDITION RATING: NOT RECORDED DESCRIPTION: RELATED EVENT PRN: 40404
YEAR: 1997

STATUS Scheduled Monument CN198

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT40404 Excavation and Survey of the V2 Incline, Vivian Quarry, Llanberis 1997
GAT40443 The Restoration of the V2 Incline (final Copy) 1998

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Dutton, A. 1998, The Restoration of the Vivian V2 Incline, Including the Development of the rear yard of the former Dinorwix Quarry Workshops, Gilfach Ddu, Llanberis: Archaeological Excavation and Interpretation. , , , Report No. 305
Report: Dutton, L. A. 1997, Excavation and Survey of the V2 Incline, Vivian Quarry, Llanberis, , , , GAT Report No. 259

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT60903>

PRN 60904

NAME Caban, Vivian Slate Quarry, Llanberis

NGR SH5855460562

COMMUNITY Llanddeiniolen

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

SUMMARY

DESCRIPTION Located north of, and butting, the north end of the east of the drumhouse wall; aligned 23 degrees east of drumhouse orientation. The structure, essentially drystone, stands probably almost to its original height of <2.0m. The building, originally roofed, was single pitched with the eave on the east side, like the brakesman's cabin. There is an entrance adjacent to the drumhouse but no windows and there are traces of internal rendering. The building just overlies the south-east corner of the traverser pit (feature 1; see 5.2 Excavation synopsis), and was built after the extant braking system was installed, evidenced by the location of its south end wall. The original floor surface was not uncovered. The building was probably a shelter for the drumhouse crew. (Dutton, 1997)

EVIDENCE STRUCTURE

CONDITION INFORMATION

CONDITION: RESTORED CONDITION RATING: NOT RECORDED DESCRIPTION: RELATED EVENT PRN: 40404
YEAR: 1997

STATUS Scheduled Monument CN198

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT40404 Excavation and Survey of the V2 Incline, Vivian Quarry, Llanberis 1997
GAT40443 The Restoration of the V2 Incline (final Copy) 1998

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Dutton, A. 1998, The Restoration of the Vivian V2 Incline, Including the Development of the rear yard of the former Dinorwix Quarry Workshops, Gilfach Ddu, Llanberis: Archaeological Excavation and Interpretation. , , , , Report No. 305

Report: Dutton, L. A. 1997, Excavation and Survey of the V2 Incline, Vivian Quarry, Llanberis, , , , GAT Report No. 259

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT60904>

PRN 60905

NAME Caban, Vivian Slate Quarry, Llanberis

NGR SH5853060536

COMMUNITY Llanddeiniolen

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

SUMMARY

DESCRIPTION Located at the foot of the V2 incline, north and east of the traveller pit. The building has been partially restored, and has a door at the south-east corner and a single window on the south wall. There is a fireplace and chimney in the east gable. The roof is twin pitched and slate roofed. Traces of a smaller single pitched building can be seen on the external west gable against which it was butted. The archive photograph of 1896 shows that this was furnished with a door and single window, also in the south wall. (Dutton, 1997)

EVIDENCE STRUCTURE

CONDITION INFORMATION

CONDITION: RESTORED CONDITION RATING: NOT RECORDED DESCRIPTION: RELATED EVENT PRN: 40404
YEAR: 1997

STATUS Scheduled Monument CN198

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT40404 Excavation and Survey of the V2 Incline, Vivian Quarry, Llanberis 1997
GAT40443 The Restoration of the V2 Incline (final Copy) 1998

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Dutton, A. 1998, The Restoration of the Vivian V2 Incline, Including the Development of the rear yard of the former Dinorwix Quarry Workshops, Gilfach Ddu, Llanberis: Archaeological Excavation and Interpretation. , , , Report No. 305
Report: Dutton, L. A. 1997, Excavation and Survey of the V2 Incline, Vivian Quarry, Llanberis, , , GAT Report No. 259

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT60905>

PRN 63979

NAME Locomotive Shed

NGR SH5841460616

COMMUNITY Llanddeiniolen

PERIOD AND TYPE Post Medieval, TRAIN SHED, Sitetype ranking: 1

SUMMARY A late 19th century locomotive shed built to serve on the Padarn railway.

DESCRIPTION Rectangular-plan high single-storey structure. Dressed slate-stone slabs; slate roof with long ventilated gabled louvre to ridge. 2 tall 4-paned windows with slate cills and lintels to south wall; tall boarded double doors for locomotive in east gable end. Interior not accessible at time of Survey. Believed to have been built in the late 19th century to house and prepare the operational locomotive on the Dinorwic Quarry Railway, and as such used until the 1960s. It is a rectangular-plan high single-storey structure, built out of dressed slate-stone slabs; slate roof with long ventilated gabled louvre to ridge. Two tall four-paned windows with slate sills and lintels to south wall; tall boarded double doors for locomotive in east gable end. Associated with it is an adjacent walled coal-yard. (Barker and Gwyn, 2017)

EVIDENCE**CONDITION INFORMATION**

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

STATUS Listed Building 22662 II

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45088 Gwynedd Slate Industry Transport Routes 2017

ASSOCIATED ARTEFACTS

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

SOURCES

: , , , , ,

Book: Boyd, J. I. C. 2001, Narrow Gauge Railways in North Caernarvonshire Volume III: The Dinorwic Quarry and Railways, The Great Orme Tramway and Other Rail Systems, , , , HER Library Record No 2396

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

Report: Barker, L., and Gwyn, D. 2017, Gwynedd Slate Industry Transport Routes, , , , Report No. GC401

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT63979>

PRN 63985

NAME Incline, Drumhouses and Counter Balances ('A' Incline)

NGR SH5876260299

COMMUNITY Llanddeiniolen

PERIOD AND TYPE Post Medieval, COUNTER BALANCE INCLINE, Sitetype ranking: 1

SUMMARY Post medieval Incline and Drumhouses.

DESCRIPTION Drumhouses of local rubblestone and slate-slab construction, the latter predominating, each with a gable-ended graded slate roof, that to drumhouse 2 in poorest condition with a number of slates missing at time of Survey. Each drumhouse retains a winding drum and cabling, the double track with rails to the incline itself remaining almost completely in situ. The lower drumhouses (1 and 2) have brakesman's cabins alongside, well-built with fireplaces, the latter having a contiguous office with squint window offering a view of approaching wagons. At this point a stone-walled path leading from Dinorwic down to Llanberis is carried over the incline by means of a cast-iron girder bridge, while the wall bounding the track on its south-western side has heavy slate slabs cantilevered out to provide shelter for the men handling the wagons.

EVIDENCE**CONDITION INFORMATION**

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

STATUS Listed Building 22653 II

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS**ASSOCIATED ARTEFACTS**

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

SOURCES

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

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT63985>

PRN 63991

NAME Fire Queen Shed, Dinorwic Quarry Railway

NGR SH5862460380

COMMUNITY Llanddeiniolen

PERIOD AND TYPE Post Medieval, TRAIN SHED, Sitetype ranking: 1

SUMMARY A late 19th century locomotive shed built to serve on the Padarn railway.

DESCRIPTION Between 11-04-2019 and 21-08-2020 this site was also recorded as PRN67129. Long rectangular-plan high single-storey structure with lean-to addition on north gable end. Main building of snecked rock-faced rubblestone with slate-stone quoins; dressed slate-stone slabs to lean-to; slate roof with long gabled ventilated louvre to ridge of main shed; banded slates on lean-to. Long west wall of shed has 3 tall round-headed decorated cast-iron windows (of very similar pattern to those in Quarry Workshops) with tightly jointed pointed slate voussoirs and slate cills; integral slate-stone stack with moulded capping to north. South gable end has pointed doorway for locomotive with dressed slate voussoirs; lean-to on north has window to west and doorway on north. This particular shed appears to have housed the locomotive which passed through the Glan-y-Bala tunnel to connect with the south-eastern area of the quarry until tipping allowed the line to be relaid around the bluff. The lean-to on the north gable end appears to be a later addition. A locomotive shed of some architectural ambition, constructed in a similar idiom to the adjacent former quarry yard, now the National Slate Museum. It is believed to have been built c. 1870 to house the first 0.6 m gauge locomotives on the internal Dinorwic quarry system when the Dinorwic Quarry Railway was cut back from Muriau to Gilfach Ddu. From 1882 to 1969 it served as a small museum housing the locomotive Fire Queen. (Barker and Gwyn, 2017)

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS Listed Building 22657 II, Scheduled Monument CN163

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45088 Gwynedd Slate Industry Transport Routes 2017

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

: , , , , ,

Book: Boyd, J. I. C. 2001, Narrow Gauge Railways in North Caernarvonshire Volume III: The Dinorwic Quarry and Railways, The Great Orme Tramway and Other Rail Systems, , , , HER Library Record No 2396

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

Report: Barker, L., and Gwyn, D. 2017, Gwynedd Slate Industry Transport Routes, , , , Report No. GC401

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT63991>

PRN 63993

NAME Offis Fawr, (now Woodcraft Centre)

NGR SH5860960325

COMMUNITY Llanddeiniolen

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

SUMMARY A building constructed around 1870 which housed company offices.

DESCRIPTION High single-storey double-depth plan of 2 parallel ranges aligned roughly east-west with continuous slate-roofed verandah to north and east sides. Snecked rock-faced rubblestone with tooled granite quoins and other dressings; gable-ended slate roofs with slate coping and fretted bargeboards with carved pendants and finials. East (entrance) elevation has central 4-panel door flanked by 12-paned sashes in quoined surrounds, one to each range, under lean-to verandah supported on cast-iron columns with decorated spandrels. North side has continuation of verandah over three 16-paned sash windows, detailed as on east side; 2 regularly spaced stacks behind ridge have stone bases with octagonal brick shafts and stone capping; verandah has large rooflights as on east side; slate-stone retaining wall in front of verandah has fleur-de-lys pointed iron railings to top. South elevation has four 16-paned sashes, one on left and 3 grouped to right; ridge stack to left is similarly detailed to those on north but with paired shafts. Interior not accessible at time of Survey but said to be much remodelled; noted as retaining panelled window shutters.

EVIDENCE

CONDITION INFORMATION

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

STATUS Listed Building 22658 II

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

ASSOCIATED ARTEFACTS

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

SOURCES

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

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT63993>

PRN 63994

NAME Incline and Drumhouses

NGR SH5855060562

COMMUNITY Llanddeiniolen

PERIOD AND TYPE Post Medieval, COUNTER BALANCE INCLINE, Sitetype ranking: 1

SUMMARY Post medieval Incline and Drumhouses.

DESCRIPTION Incline runs in 5 tandem pitches, the lower 3 (including the section reconstructed by the Slate Museum) with much of the track and gear intact. The 4 unrestored drumhouses are of rubblestone and slate slab construction with gable-ended slate roofs. All retain their brake-drums and cabling, the brake mechanisms to the lower inclines being of massive cast-iron construction, operated via spur gears and "ship's wheel" controls with elaborate remote control crimp sprags. Double drumhouse on top level.

EVIDENCE

CONDITION INFORMATION

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

STATUS Listed Building 22661 II

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

ASSOCIATED ARTEFACTS

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

SOURCES

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

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT63994>

PRN 64007

NAME Quarryworkers' Barracks

NGR SH5894860226

COMMUNITY Llanddeiniolen

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

SUMMARY A barracks built around 1860.

DESCRIPTION 2 parallel rows of inward-facing single-storey cottages, aligned roughly north-west to south-east joined by linking wall with flat-headed arch-way at south-eastern end. Each row consists of 11 cottages, all of 2-room plan, the larger room with fireplace and a doorway leading into smaller room. Roughly coursed rubblestone and slate slab construction, the latter also used as quoins and lintels; roof timbers entirely gone but formerly slate covered (at the north-western end of the north-eastern block the 2 end cottages have been reroofed but here too the slates have been stripped off). Each cottage has tall rectangular window openings (originally sashed?) flanking offset doorway, all joinery missing, and slate-stone ashlar ridge or end stack with slate drips. Back wall of each range has single window to the larger room of some but not all cottages. There is no fireplace in the gable-end room of the cottage at the south-east end of the north-east range suggesting that the gable-end stack was simply to provide a symmetrical appearance to the range as a whole; the built-out slate fireplace in the corresponding room of the south-western range appears to be a later insertion and it can be assumed that this room was also originally unheated.

EVIDENCE

CONDITION INFORMATION

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

STATUS Listed Building 22654 II

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

ASSOCIATED ARTEFACTS

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

SOURCES

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

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT64007>

PRN 65571

NAME Turning Area, Dinorwic Quarry Drag, Hafotty Glan y Bala

NGR SH58886048

COMMUNITY Llanddeiniolen

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

SUMMARY A possible turning area for cart and horses.

DESCRIPTION Located just south of Hafotty Glan y Bala at the end of the unsurfaced road running from Blue Peris and at the point where the Dinorwic quarry drag turns west, is a level widened area that may have been a point where horses on down-going runs of the drag were transferred from the front of the cart to the back, to act as brakes on the steeper section through the Padarn Country Park (Barker & Gwyn 2017).

EVIDENCE DOCUMENTARY EVIDENCE

CONDITION INFORMATION

CONDITION: NOT KNOWN CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45088 YEAR: 2017

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45088 Gwynedd Slate Industry Transport Routes 2017

ASSOCIATED ARTEFACTS

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

SOURCES

: , , , , ,

Article: Illsley, J.S. 1979, Trade and Transport in Llyn Padarn in the Late Eighteenth Century, Transactions of the Caernarvonshire Historical Society, 40, 87-104,

Report: Barker, L., and Gwyn, D. 2017, Gwynedd Slate Industry Transport Routes, , , , Report No. GC401

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT65571>

PRN 67127

NAME Waterweel pit, Gilfach Ddu

NGR SH5853460219

COMMUNITY LLANDDEINIOLEN

PERIOD AND TYPE POST MEDIEVAL, WATER WHEEL, Sitetype ranking: 1

SUMMARY Restored in slate museum (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT

PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN163

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT44091 The Iron Waterwheel at Gilfach Ddu: Archaeological Monitoring and Recording at the Welsh Slate Museum, Llanberis 2001

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Correspondence: Roberts, D. 2016, CN163: National Slate Museum Water Wheel Works , , , , Digital FI File: 34495

Report: Dutton, L. A. 2001, The Iron Waterwheel at Gilfach Ddu: Archaeological Monitoring and Recording at the Welsh Slate Museum, Llanberis, , , , GAT Report No. 430

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67127>

PRN 67130

NAME Adit, Gilfach Ddu

NGR SH5863160298

COMMUNITY LLANDDEINIOLEN

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

SUMMARY Adit entrance (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED **CONDITION RATING:** NOT RECORDED **DESCRIPTION:** None Recorded **RELATED EVENT**
PRN: 45330 **YEAR:** 2018

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67130>

PRN 67131

NAME Coal yard, Gilfach Ddu

NGR SH5861860351

COMMUNITY LLANDDEINIOLEN

PERIOD AND TYPE POST MEDIEVAL, COAL YARD, Sitetype ranking: 1

SUMMARY Former coalyard (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION Archaeological recording at Gilfach Ddu, Llanberis was carried out at two discrete locations during the period of January to July 1998. This was in response to works initiated by the National Museums and Galleries of Wales to restore to working order the V2 tank incline, Vivian Quarry (SAM Cn 198), and carry out building developments in the rear yard of the Welsh Slate Museum (SAM Cn 163), both Scheduled Ancient Monuments. At the V2 incline, recording and excavation had already been undertaken during the preparatory phase of the project, the details of which are recorded in GAT Report 259 (see also AW 37, 122-4). Additional recording was undertaken throughout the latter period and accompanied all subsequent demolition and construction phases, therefore enabling both the enhancement of existing evidence and the opportunity to identify previously unrecorded features revealed or disturbed during the restoration process. Although there are good surviving examples of transporter inclines to be seen in other parts of the Dinorwic Quarries, there would appear to be considerable variance in some form, if not their principal function. Therefore, despite available comparative evidence, both physical and documentary, for inclined planes as a whole, it is the archaeological record that has been able to provide site-specific information to assist in the restoration of the

V2 incline, in keeping with its status as a Scheduled Ancient Monument Works in the rear yard were carried out in tandem with those on the Vivian incline, enabling an archaeological presence during the duration of the project. The rear yard occupies made ground on the south-east banks of Llyn Padarn. It encompasses an area immediately south of the Welsh Slate Museum bounded by the Afon-y-Bala on the west side and the modern road on the east. A mortared slate wall built in the early 1980s now encloses the yard, but this superseded an earlier enclosure. Works in the rear yard involved considerable disturbance to the existing ground levels. Some extant features in this area were to be refurbished in situ, while a section of railtrack and a turntable were to be removed for storage and eventual re-laying at a new location within the yard. Subsequently, a number of previously unrecorded features associated with the early yard was revealed. These included a substantial culvert, revetment walls, working floors and even a septic tank. Integrating the archaeological input with the day-to-day requirements of the restoration was a major concern for the duration of the work. Regular monitoring was carried out on behalf of Cadw: Welsh Historic Monuments, so enabling the most mutually beneficial liaison with the contractors to take place. Full results of the project are recorded in GAT Report 305. The restoration of the Vivian incline was carried out by Watkin Jones and Sons, as main contractors, on behalf of the National Museums and Galleries of Wales. The consulting engineers for the project were Posford and Duvivier. Specialist aspects of the restoration were carried out by DR Conservation with a number of other sub-contractors involved at various stages of the project. Work at both locations was carried out in accordance with the requirements of the Scheduled Monument Consent as specified by Cadw: Welsh Historic Monuments. (Dutton, 1998)

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN163

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Article: Dutton, L.A. 1998, Gilfach Ddu, Llanberis, Vivian V2 Incline and Museum Yard, Archaeology in Wales, Vol.38, pp.157-158, HER Library Record No.716

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67131>

PRN 67132

NAME Counterbalance Incline A1, Dinorwic Quarry

NGR SH5869960346

COMMUNITY LLANDDEINIOLLEN

PERIOD AND TYPE POST MEDIEVAL, COUNTER BALANCE INCLINE, Sitetype ranking: 1

SUMMARY A1 incline well-preserved but overgrown (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN177

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Correspondence: Smith, N. 2024, Application for Scheduled Monument Consent: Dinorwic Quarry Barracks 'A' Incline (CN177), , , , Digital FI File: PRN2441
Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67132>

PRN 67133

NAME Incline drumhouse, Dinorwic Quarry

NGR SH5876460297

COMMUNITY LLANDDEINIOLEN

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

SUMMARY A1 drumhouse - roofed (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN177

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Correspondence: Smith, N. 2024, Application for Scheduled Monument Consent: Dinorwic Quarry Barracks 'A' Incline (CN177), , , , Digital FI File: PRN2441
Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67133>

PRN 67134

NAME Counterbalance Incline A2, Dinorwic Quarry

NGR SH5880160239

COMMUNITY LLANDDEINIOLEN

PERIOD AND TYPE POST MEDIEVAL, COUNTER BALANCE INCLINE, Sitetype ranking: 1

SUMMARY A2 incline well-preserved but overgrown (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT
PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN177

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Correspondence: Smith, N. 2024, Application for Scheduled Monument Consent: Dinorwic Quarry Barracks 'A' Incline (CN177), , , , Digital FI File: PRN2441
Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67134>

PRN 67135

NAME Incline drumhouse, Dinorwic Quarry

NGR SH5883660181

COMMUNITY LLANDDEINIOLEN

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

SUMMARY A2 incline drumhouse, Roof recently collapsed (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN177

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Correspondence: Smith, N. 2024, Application for Scheduled Monument Consent: Dinorwic Quarry Barracks 'A' Incline (CN177), , , , Digital FI File: PRN2441

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67135>

PRN 67136

NAME Steps, Dinorwic Quarry

NGR SH5882460093

COMMUNITY LLANDDEINIOLEN

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

SUMMARY Zig-zag footpath and steps flanked by slate walls (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: NEAR INTACT CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67136>

PRN 67137

NAME Bridge, Dinorwic Quarry

NGR SH5884160173

COMMUNITY LLANDDEINIOLEN

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

SUMMARY Iron bridge with slate abutments over railway (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN177

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Correspondence: Smith, N. 2024, Application for Scheduled Monument Consent: Dinorwic Quarry Barracks 'A' Incline (CN177), , , , Digital FI File: PRN2441

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67137>

PRN 67138

NAME Railway, Dinorwic Quarry

NGR SH5886960145

COMMUNITY LLANDDEINIOLEN

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

SUMMARY Railway between A2 and A3 incline (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN177

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67138>

PRN 67140

NAME Counterbalance Incline A3, Dinorwic Quarry

NGR SH5902660227

COMMUNITY LLANDDEINIOLEN

PERIOD AND TYPE POST MEDIEVAL, COUNTER BALANCE INCLINE, Sitetype ranking: 1

SUMMARY Well preserved incline (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT
PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN177

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character
Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field
Survey and Character Area Production , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67140>

PRN 67144

NAME Weighbridge house, Vivian Quarry, Dinorwic Quarry

NGR SH5861760413

COMMUNITY LLANDDEINIOLEN

PERIOD AND TYPE POST MEDIEVAL, WEIGHBRIDGE OFFICE, Sitetype ranking: 1

SUMMARY Weighbridge house (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT
PRN: 45330 YEAR: 2018

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character
Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field
Survey and Character Area Production , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67144>

PRN 67145

NAME Railway Equipment, Vivian Quarry, Dinorwic Quarry

NGR SH5868560424

COMMUNITY LLANDDEINIOLEN

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

SUMMARY NOT LOCATED REQUIRES REVISION (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67145>

PRN 67146

NAME Embankment, Vivian Quarry, Dinorwic Quarry

NGR SH5868660420

COMMUNITY LLANDDEINIOLEN

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

SUMMARY NOT LOCATED REQUIRES REVISION (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT
PRN: 45330 YEAR: 2018

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character
Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field
Survey and Character Area Production , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67146>

PRN 67147

NAME Bridge, Vivian Quarry, Dinorwic Quarry

NGR SH5862760417

COMMUNITY LLANDDEINIOLEN

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

SUMMARY Quarry tramway passes under road (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE UNCERTAIN EVIDENCE

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT
PRN: 45330 YEAR: 2018

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character
Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field
Survey and Character Area Production , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67147>

PRN 67148

NAME Ropeway system winding house, Vivian Quarry

NGR SH5867560463

COMMUNITY LLANDDEINIOLEN

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

SUMMARY Ropeway system winding house (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67148>

PRN 67149

NAME Ropeway system winding house, Vivian Quarry

NGR SH586660422

COMMUNITY LLANDDEINIOLEN

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

SUMMARY Ropeway system winding house (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT
PRN: 45330 YEAR: 2018

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character
Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field
Survey and Character Area Production , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67149>

PRN 67150

NAME Railway equipment, Vivian Quarry

NGR SH5868760416

COMMUNITY LLANDDEINIOLEN

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

SUMMARY NOT LOCATED REQUIRES REVISION (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT
PRN: 45330 YEAR: 2018

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character
Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field
Survey and Character Area Production , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67150>

PRN 67151

NAME Lean-to against winding house 67149, Vivian Quarry

NGR SH5866260419

COMMUNITY LLANDDEINIOLEN

PERIOD AND TYPE POST MEDIEVAL, QUARRY SHELTER, Sitetype ranking: 1

SUMMARY Lean-to against winding house 67149 (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67151>

PRN 67152

NAME Road, Vivian Quarry

NGR SH5864160406

COMMUNITY LLANDDEINIOLEN

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

SUMMARY Road (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT
PRN: 45330 YEAR: 2018

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character
Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field
Survey and Character Area Production , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67152>

PRN 67153

NAME Steps, Vivian Quarry

NGR SH5857960456

COMMUNITY LLANDDEINIOLEN

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

SUMMARY Slate steps (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT
PRN: 45330 YEAR: 2018

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character
Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field
Survey and Character Area Production , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67153>

PRN 67154

NAME Bridge, Vivian Quarry

NGR SH5854460553

COMMUNITY LLANDDEINIOLEN

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

SUMMARY Road runs beneath Vivian V2 incline (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN198

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67154>

PRN 67155

NAME Ramp ? Remains of V1 incline, Vivian Quarry

NGR SH5853760519

COMMUNITY LLANDDEINIOLEN

PERIOD AND TYPE POST MEDIEVAL, COUNTER BALANCE INCLINE, Sitetype ranking: 1

SUMMARY Ramp ? Remains of V1 incline (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: NEAR DESTROYED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67155>

PRN 67156

NAME Railway equipment, Vivian Quarry

NGR SH5853360523

COMMUNITY LLANDDEINIOLEN

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

SUMMARY 2' gauge slab sleepers (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67156>

PRN 67157

NAME Railway equipment, Vivian Quarry

NGR SH5853960516

COMMUNITY LLANDDEINIOLEN

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

SUMMARY Lever for points (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67157>

PRN 67158

NAME Abutment, Vivian Quarry

NGR SH5851560530

COMMUNITY LLANDDEINIOLEN

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

SUMMARY Abutment for former bridge over railway (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT
PRN: 45330 YEAR: 2018

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67158>

PRN 67159

NAME Weighbridge house, Vivian Quarry

NGR SH5857960424

COMMUNITY LLANDDEINIOLEN

PERIOD AND TYPE POST MEDIEVAL, WEIGHBRIDGE OFFICE, Sitetype ranking: 1

SUMMARY Now part of railway station (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: RE-USED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT
PRN: 45330 YEAR: 2018

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67159>

PRN 67160

NAME Incline sheave, Vivian V1 incline, Vivian Quarry

NGR SH5853260527

COMMUNITY LLANDDEINIOLEN

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

SUMMARY Incline sheave, Vivian V1 incline (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67160>

PRN 67161

NAME Tips, Vivian Quarry

NGR SH5841960531

COMMUNITY LLANDDEINIOLEN

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

SUMMARY Landscaped tips (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT
PRN: 45330 YEAR: 2018

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character
Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field
Survey and Character Area Production , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67161>

PRN 67162

NAME Tips, Vivian Quarry

NGR SH5829560625

COMMUNITY LLANDDEINIOLEN

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

SUMMARY Landscaped tips into lake (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT
PRN: 45330 YEAR: 2018

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character
Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field
Survey and Character Area Production , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67162>

PRN 67163

NAME Bridge, Vivian Quarry

NGR SH5831260663

COMMUNITY LLANDDEINIOLEN

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

SUMMARY Bridge over railway (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE STRUCTURE

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT
PRN: 45330 YEAR: 2018

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67163>

PRN 67164

NAME Railway, Vivian Quarry

NGR SH5841560651

COMMUNITY LLANDDEINIOLEN

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

SUMMARY Line of former railway to tips into lake (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT
PRN: 45330 YEAR: 2018

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67164>

PRN 67166

NAME Incline trwnc dock, Vivian Quarry

NGR SH5852160536

COMMUNITY LLANDDEINIOLEN

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

SUMMARY Incline trwnc dock restored (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT
PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN198

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67166>

PRN 67167

NAME Gwaliau, Vivian Quarry

NGR SH5856560545

COMMUNITY LLANDDEINIOLEN

PERIOD AND TYPE POST MEDIEVAL, QUARRY SHELTER, Sitetype ranking: 1

SUMMARY Roofless gwaliau (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN198

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67167>

PRN 67168

NAME Caban, Vivian Quarry

NGR SH5857460565

COMMUNITY LLANDDEINIOLEN

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

SUMMARY Caban (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: RESTORED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN198

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67168>

PRN 67169

NAME Adit, Vivian Quarry

NGR SH5860660543

COMMUNITY LLANDDEINIOLEN

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

SUMMARY Adit mouth (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: INTACT CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN198

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67169>

PRN 67170

NAME Retaining wall, Vivian Quarry

NGR SH5856960531

COMMUNITY LLANDDEINIOLEN

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

SUMMARY Monumental slate retaining wall above road (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION The lower retaining wall at Vivian quarry is of near vertical construction rising to 12m above the surface of the quarry hospital road. It was found to be a skin wall to the slate tip and only marginally stable. Gwynedd Archaeological Trust was contracted to produce a black and white photographic record of the wall at a scale sufficient enough to identify individual slates, before and after the stabilising work. A complete photographic record of the wall before the stabilising began has been made. A shift lens was used and the higher levels were photographed from a Simon-Hoist. The stabilising work has now been completed, a number of 'work in progress' photographs were taken and full post-stabilisation photographic record will be produced. (Hopewell, 1992).

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: NEAR INTACT CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN198

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Article: Hopewell, D 1992, Vivian Quarry, Llanberis, Archaeology in Wales, Vol.32, p.88, HER Library Records No.716

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67170>

PRN 67171

NAME Steps, Vivian Quarry

NGR SH5860660539

COMMUNITY LLANDDEINIOLEN

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

SUMMARY Slate steps running between levels (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN198

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67171>

PRN 67172

NAME Incline trwnc dock, Vivian Quarry

NGR SH5855460569

COMMUNITY LLANDDEINIOLEN

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

SUMMARY Incline trwnc dock (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN198

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67172>

PRN 67173

NAME Counterbalance Incline V3, Vivian Quarry

NGR SH5856060582

COMMUNITY LLANDDEINIOLEN

PERIOD AND TYPE POST MEDIEVAL, COUNTER BALANCE INCLINE, Sitetype ranking: 1

SUMMARY Trwnc (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN198

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67173>

PRN 67174

NAME Incline drumhouse, Vivian Quarry

NGR SH5856860600

COMMUNITY LLANDDEINIOLEN

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

SUMMARY Incline drumhouse, largely intact (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT
PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN198

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67174>

PRN 67175

NAME Brake-man's hut, Vivian Quarry

NGR SH5857160598

COMMUNITY LLANDDEINIOLEN

PERIOD AND TYPE POST MEDIEVAL, QUARRY SHELTER, Sitetype ranking: 1

SUMMARY lean-to extension to drumhouse (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT
PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN198

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67175>

PRN 67176

NAME Privy, Vivian Quarry

NGR SH5854360632

COMMUNITY LLANDDEINIOLEN

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

SUMMARY Privy at the end of path (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67176>

PRN 67177

NAME Caban, Vivian Quarry

NGR SH5859560585

COMMUNITY LLANDDEINIOLEN

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

SUMMARY Caban - intact (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: NEAR INTACT CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED
EVENT PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN198

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character
Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field
Survey and Character Area Production , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67177>

PRN 67178

NAME Gwaliau, Vivian Quarry

NGR SH5860260567

COMMUNITY LLANDDEINIOLEN

PERIOD AND TYPE POST MEDIEVAL, QUARRY SHELTER, Sitetype ranking: 1

SUMMARY 2 gwaliau, roof survives on one (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT
PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN198

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67178>

PRN 67179

NAME Blast shelter, Vivian Quarry

NGR SH5862360557

COMMUNITY LLANDDEINIOLEN

PERIOD AND TYPE POST MEDIEVAL, QUARRY SHELTER, Sitetype ranking: 1

SUMMARY Square blast shelter (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: NEAR INTACT CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN198

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67179>

PRN 67180

NAME Incline trwnc dock, Vivian Quarry

NGR SH5856760608

COMMUNITY LLANDDEINIOLEN

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

SUMMARY Incline trwnc dock (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT
PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN198

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67180>

PRN 67181

NAME Counterbalance Incline V4, Vivian Quarry

NGR SH5856760626

COMMUNITY LLANDDEINIOLEN

PERIOD AND TYPE POST MEDIEVAL, COUNTER BALANCE INCLINE, Sitetype ranking: 1

SUMMARY Incline counterbalance V4 (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT
PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN198

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67181>

PRN 67182

NAME Incline drumhouse, Vivian Quarry

NGR SH5857060648

COMMUNITY LLANDDEINIOLEN

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

SUMMARY Drumhouse largely intact but deteriorating, rotting beam threatens brake etc (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN198

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67182>

PRN 67183

NAME Gwaliau, Vivian Quarry

NGR SH5858260634

COMMUNITY LLANDDEINIOLEN

PERIOD AND TYPE POST MEDIEVAL, QUARRY SHELTER, Sitetype ranking: 1

SUMMARY Traverser pit (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT
PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN198

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67183>

PRN 67184

NAME Gwal, Vivian Quarry

NGR SH5859960636

COMMUNITY LLANDDEINIOLEN

PERIOD AND TYPE POST MEDIEVAL, QUARRY SHELTER, Sitetype ranking: 1

SUMMARY Single Gwal (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT
PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN198

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67184>

PRN 67185

NAME Blast shelter, Vivian Quarry

NGR SH5860760611

COMMUNITY LLANDDEINIOLEN

PERIOD AND TYPE POST MEDIEVAL, QUARRY SHELTER, Sitetype ranking: 1

SUMMARY Rectangular blast shelter (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: NEAR INTACT CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN198

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67185>

PRN 67186

NAME Incline trwnc dock, Vivian Quarry

NGR SH5857360654

COMMUNITY LLANDDEINIOLEN

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

SUMMARY Incline trwnc doc (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN198

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67186>

PRN 67187

NAME Counterbalance Incline V5, Vivian Quarry

NGR SH5858060666

COMMUNITY LLANDDEINIOLEN

PERIOD AND TYPE POST MEDIEVAL, COUNTER BALANCE INCLINE, Sitetype ranking: 1

SUMMARY Incline counterbalance V5 (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN198

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67187>

PRN 67188

NAME Incline drumhouse, Vivian Quarry

NGR SH5859060681

COMMUNITY LLANDDEINIOLEN

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

SUMMARY Incline drumhouse (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN198

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67188>

PRN 67189

NAME Tramway equipment, traverser pit, Vivian Quarry

NGR SH5859260685

COMMUNITY LLANDDEINIOLEN

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

SUMMARY Well preserved (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: NEAR INTACT CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN198

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67189>

PRN 67190

NAME Caban, Vivian Quarry

NGR SH5861360674

COMMUNITY LLANDDEINIOLEN

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

SUMMARY Rectangular building (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN198

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67190>

PRN 67191

NAME Gwaliau, Vivian Quarry

NGR SH5861560649

COMMUNITY LLANDDEINIOLEN

PERIOD AND TYPE POST MEDIEVAL, QUARRY SHELTER, Sitetype ranking: 1

SUMMARY Row of gwaliau (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN198

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67191>

PRN 67192

NAME Blast shelter, Vivian Quarry

NGR SH5864660633

COMMUNITY LLANDDEINIOLEN

PERIOD AND TYPE POST MEDIEVAL, QUARRY SHELTER, Sitetype ranking: 1

SUMMARY Rectangular blast shelter (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: NEAR INTACT CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED
EVENT PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN198

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character
Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field
Survey and Character Area Production , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67192>

PRN 67193

NAME Shelter, Vivian Quarry

NGR SH5863860638

COMMUNITY LLANDDEINIOLEN

PERIOD AND TYPE POST MEDIEVAL, QUARRY SHELTER, Sitetype ranking: 1

SUMMARY Blast shelter (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: NEAR INTACT CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED
EVENT PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN198

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67193>

PRN 67194

NAME Gwaliau, Vivian Quarry

NGR SH5866360682

COMMUNITY LLANDDEINIOLEN

PERIOD AND TYPE POST MEDIEVAL, QUARRY SHELTER, Sitetype ranking: 1

SUMMARY Gwaliau beside tramway (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN198

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67194>

PRN 67195

NAME Privy, Vivian Quarry

NGR SH5853060675

COMMUNITY LLANDDEINIOLEN

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

SUMMARY Privy at the end of path (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67195>

PRN 67198

NAME Blast shelter, Vivian Quarry

NGR SH5869560698

COMMUNITY LLANDDEINIOLEN

PERIOD AND TYPE POST MEDIEVAL, QUARRY SHELTER, Sitetype ranking: 1

SUMMARY Square blast shelter (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: NEAR INTACT CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN198

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67198>

PRN 67199

NAME Counterbalance Incline V6, Vivian Quarry

NGR SH5862360727

COMMUNITY LLANDDEINIOLEN

PERIOD AND TYPE POST MEDIEVAL, COUNTER BALANCE INCLINE, Sitetype ranking: 1

SUMMARY Incline counterbalance V6 (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN198

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67199>

PRN 67202

NAME Circular blast shelter, Vivian Quarry

NGR SH5868860672

COMMUNITY LLANDDEINIOLEN

PERIOD AND TYPE POST MEDIEVAL, QUARRY SHELTER, Sitetype ranking: 1

SUMMARY Circular blast shelter (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: NEAR INTACT CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN198

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67202>

PRN 67204

NAME Retaining Wall, Vivian Quarry

NGR SH5867660715

COMMUNITY LLANDDEINIOLEN

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

SUMMARY Recent collapse, blocking steps (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN198

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67204>

PRN 67678

NAME Cottage and barracks, Dinorwic Quarry

NGR SH5903560204

COMMUNITY LLANDDEINIOLEN

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

SUMMARY Cottage and added barracks (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , , 1428

, ,

ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67678>

PRN 67679

NAME Building, Dinorwic Quarry

NGR SH5899960178

COMMUNITY LLANDDEINIOLEN

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

SUMMARY Building, apsidal southern end (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT
PRN: 45330 YEAR: 2018

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67679>

PRN 67682

NAME Poss weighbridge house, Dinorwic Quarry

NGR SH5884060165

COMMUNITY LLANDDEINIOLEN

PERIOD AND TYPE POST MEDIEVAL, WEIGHBRIDGE OFFICE, Sitetype ranking: 1

SUMMARY Weighbridge house and other buildings. Cantilevered slate-slab shelter over railway (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT
PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN177

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Correspondence: Smith, N. 2024, Application for Scheduled Monument Consent: Dinorwic Quarry Barracks 'A' Incline (CN177), , , , Digital FI File: PRN2441

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , , 1428

, ,

ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67682>

PRN 67683

NAME Privy, Dinorwic Quarry

NGR SH5892360222

COMMUNITY LLANDDEINIOLEN

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

SUMMARY Small rectangular privy (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT

PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN177

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67683>

PRN 67684

NAME Privy, Dinorwic Quarry

NGR SH5895260245

COMMUNITY LLANDDEINIOLEN

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

SUMMARY Small rectangular privy (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN177

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , 1428

, ,

ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67684>

PRN 67685

NAME Manager's house, Dinorwic Quarry

NGR SH5890260192

COMMUNITY LLANDDEINIOLEN

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

SUMMARY Roofless rectangular building with large chimney (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS Scheduled Monument CN177

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67685>

PRN 67745

NAME Tips sw, Dinorwic Quarry

NGR SH5893860149

COMMUNITY LLANDDEINIOLEN

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

SUMMARY Tips above lake with tramway (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , , 1428

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ARCHWILIO URL

<https://archwilio.org.uk/arch/query/page.php?watprn=GAT67745>

PRN 82949

NAME Winder House, Hafod Owen, Dinorwic Quarry

NGR SH5844860439

COMMUNITY Llanddeiniolen

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

SUMMARY Hafod Owen winder house is part of the National Slate Museum.

DESCRIPTION Moved/re-instated for the Museum. (Steele, 2020)

EVIDENCE BUILDING

CONDITION INFORMATION

CONDITION: NOT KNOWN CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: YEAR: 2020

STATUS Scheduled Monument CN163

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS**ASSOCIATED ARTEFACTS**

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

SOURCES

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

Pers. Comm.: Steele, N. 2020, PRN 82949 Winder House, Hafod Owen, Dinorwic Quarry, , , ,

, ,

ARCHWILIO URL

<http://archwilio.org.uk/arch/query/page.php?watprn=GAT82949>

PRN 90269

NAME Yard, Gilfach Ddu

NGR SH5855760198

COMMUNITY LLANDDEINIOLEN

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

SUMMARY Yard (Summary provided by Gwynedd Archaeological Trust)

DESCRIPTION

EVIDENCE RUINED BUILDING

CONDITION INFORMATION

CONDITION: DAMAGED CONDITION RATING: NOT RECORDED DESCRIPTION: None Recorded RELATED EVENT PRN: 45330 YEAR: 2018

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT45330 Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production. 2018

ASSOCIATED ARTEFACTS

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

SOURCES

Report: Hopewell, D. 2018, Slate Landscapes of North-West Wales World Heritage Site Nomination. Field Survey and Character Area Production , , , , 1428

, ,

ARCHWILIO URL

<http://archwilio.org.uk/arch/query/page.php?watprn=GAT90269>

PRN 91960

NAME Circular Feature, Llanberis

NGR SH5814760150

COMMUNITY Llanberis

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

UNKNOWN, NATURAL FEATURE, Sitetype ranking: 1

SUMMARY A circular feature visible on aerial photography.

DESCRIPTION An almost perfect circle visible on aerial imagery. Visible on 2015 imagery defined by reeds. 2009 imagery appears to show two parallel ditches which define the circle. Not visible on historic mapping or obvious on Lidar (Derby, 2021). A site visit was carried out on the 21-4-2021 (Derby 2021).

EVIDENCE DOCUMENTARY EVIDENCE

EARTHWORK

CONDITION INFORMATION

CONDITION: NOT KNOWN CONDITION RATING: NOT KNOWN DESCRIPTION: None Recorded RELATED EVENT

PRN: YEAR: 2021

CONDITION: NOT KNOWN CONDITION RATING: NOT KNOWN DESCRIPTION: None Recorded RELATED EVENT

PRN: 46078 YEAR: 2021

STATUS None Recorded

CROSS REFERENCES

None Recorded

ASSOCIATED EVENTS

GAT46078 PRN91960: Circular Feature, Llanberis: Site Visit 2021

ASSOCIATED ARTEFACTS

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

SOURCES

Document: Derby, S. 2021, PRN91960: Circular Feature, Llanberis: Site Visit, , , , Digital FI File: PRN91960

Pers. Comm.: Derby, S. 2021, PRN 91960: Circular Feature, Llanberis, , , ,

, ,

ARCHWILIO URL

<http://archwilio.org.uk/arch/query/page.php?watprn=GAT91960>

PRN 93627

NAME LAA Battery, Site of, Llanberis

NGR SH58615981

COMMUNITY Llanberis

PERIOD AND TYPE MODERN, ANTI AIRCRAFT BATTERY, Sitetype ranking: 1

SUMMARY The site of an LAA Battery.

DESCRIPTION Contemporary photo posted by Ww1-Ww2 Defensive Structures ROC Posts And Memorials in Wales member shows a quad Lewis mount positioned on a scaffolding platform placed on top of the castle tower at Llanberis (EDoB Database, 2021).

EVIDENCE DOCUMENTARY EVIDENCE

CONDITION INFORMATION

CONDITION: NOT KNOWN **CONDITION RATING:** NOT KNOWN **DESCRIPTION:** Removed (As recorded on the EDoB Database, 2021). **RELATED EVENT PRN:** YEAR: 2021

STATUS None Recorded

CROSS REFERENCES

Extended Defence of Britain ID e58746

ASSOCIATED EVENTS

ASSOCIATED ARTEFACTS

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

SOURCES

Database: Thompson, S. 2021, Extended Defence of Britain Project Database, , , ,

, ,

ARCHWILIO URL

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; **CROSS REFERENCES:** Details any relationships between the HER PRN and records in external datasets; **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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tel (01248) 352535, email her@heneb.co.uk, website www.heneb.co.uk

Archaeological data from the Gwynedd Historic Environment Record, supplied by Heneb: Gwynedd Region in partnership with Local Authorities, Cadw and partners of HEDS, Heneb, 2024.



Appendix II: Gazetteer of newly identified sites

ID	NSM01
Name	Coal Storage
Summary	Coal Storage area
Welsh Summary	Man storio glo
Description	A coal storage area original to the Gilfach Ddu site and in its original location. The structure is documented on all map editions from 1890.
NGR	SH 58541 60277
Easting	258541
Northing	360277
Type	Structure
Period	Post-medieval
Survival condition	Good
Condition Rating	Good
Broad Class	Industrial
Evidence	Site visit and historic mapping
Record compiled by	Susan Stratton
Record compiled on	16/07/24
Copyright	Archaeology Wales

ID	NMS02
Name	Crane
Summary	Crane in inner yard
Welsh Summary	Craen yn y buarth mewnol
Description	A crane used to unload oil drums in Gilfach Ddu courtyard. Documented on historic mapping edition from 1890.
NGR	SH 58564 60307
Easting	258564
Northing	360307
Type	Structure
Period	Post-medieval
Survival condition	Good
Condition Rating	Good
Broad Class	Industrial
Evidence	Site Visit
Record compiled by	Susan Stratton
Record compiled on	16/07/24
Copyright	Archaeology Wales

ID	NMS03
Name	Crane
Summary	A gantry crane
Welsh Summary	Craen nenbont
Description	A Gantry crane located within the yard built upon concrete foundations. Not in original location as it was originally located outside of Gilfach Ddu building.
NGR	SH 58548 60309
Easting	258548
Northing	360309
Type	structure
Period	Post-medieval
Survival condition	Good
Condition Rating	Good
Broad Class	Industrial
Evidence	Site Visit
Record compiled by	Susan Stratton
Record compiled on	16/07/24
Copyright	Archaeology Wales

ID	NSM04
Name	Tank
Summary	A slate water tank
Welsh Summary	Tanc dŵr llechen
Description	A rectangular slate water tank comprised of slabs of slate complete with iron fixings. Original to the Gilfach Ddu site.
NGR	SH 58529 60269
Easting	258529
Northing	360269
Type	Structure
Period	Post-medieval
Survival condition	Good
Condition Rating	Good
Broad Class	Industrial
Evidence	Site Visit
Record compiled by	Susan Stratton
Record compiled on	16/07/24
Copyright	Archaeology Wales

ID	NSM05
Name	Structure
Summary	Outbuilding documented on OS 1914
Welsh Summary	Tŷ allan a gofnodwyd ar OS 1914
Description	Structure depicted on OS map of 1914 located in the south-east of the inner yard. Measures 6m x 5m. No longer present by the time of the 1975 OS map.
NGR	SH 58559 60280
Easting	258559
Northing	360280
Type	Structure
Period	Post-medieval
Survival condition	Unknown
Condition Rating	Condition Unknown
Broad Class	Industrial
Evidence	Site visit and historic mapping
Record compiled by	Susan Stratton
Record compiled on	16/07/24
Copyright	Archaeology Wales

ID	NSM06
Name	Former wall
Summary	Remains of slate wall
Welsh Summary	Gweddillion wal lechi
Description	Wall revealed during GI works associated with the proposed renovation of the National Slate Museum. Possibly relates to the drag cart road from Allt Ddu documented on the tithe map of the parish of Llanberis, County of Caernarvon 1839.
NGR	SH 58556 60285
Easting	258556
Northing	360285
Type	Structure
Period	Post-medieval
Survival condition	Likely good preservation
Condition Rating	Condition unknown
Broad Class	Industrial
Evidence	Site Visit
Record compiled by	Susan Stratton
Record compiled on	16/07/24
Copyright	Archaeology Wales

ID	NMS07
Name	Crane
Summary	Crane for un-loading logs
Welsh Summary	Craen ar gyfer dadlwytho boncyffion
Description	Crane for un-loading logs located at the rear yard of the National Slate Museum
NGR	SH 58552 60218
Easting	258552
Northing	360218
Type	Structure
Period	Post-medieval
Survival condition	Good
Condition Rating	Good
Broad Class	Industrial
Evidence	Site visit
Record compiled by	Susan Stratton
Record compiled on	16/07/24
Copyright	Archaeology Wales

ID	NMS08
Name	Drying shed
Summary	Drying shed located in the rear yard of the National Slate Museum
Welsh Summary	Sied sychu wedi'i lleoli yn iard gefn yr Amgueddfa Lechi Genedlaethol
Description	Drying shed located in the rear yard of the National Slate Museum identified during site visit
NGR	SH 58544 60210
Easting	258544
Northing	360210
Type	Structure
Period	Post-medieval
Survival condition	Good
Condition Rating	Good
Broad Class	Industrial
Evidence	Site visit
Record compiled by	Susan Stratton
Record compiled on	16/07/24
Copyright	Archaeology Wales

ID	NSM09
Name	Small rectangular building
Summary	Small rectangular building documented on the OS map of 1900 and 1914
Welsh Summary	Adeilad petryal bach a gofnodwyd ar fapiau OS 1900 a 1914
Description	Small rectangular building documented on the OS map of 1900 and 1914, located at the rear yard of the National Slate Museum
NGR	SH 58576 60236
Easting	258576
Northing	360236
Type	Structure
Period	Post-medieval
Survival condition	Unknown
Condition Rating	Unknown
Broad Class	Industrial
Evidence	Cartographic Sources
Record compiled by	Siân Thomas
Record compiled on	19/07/24
Copyright	Archaeology Wales

ID	NSM10
Name	Abutting structures
Summary	Small rectangular buildings documented from OS map of 1900
Welsh Summary	Adeiladau petryal bychan a gofnodwyd ar fap OS 1900
Description	Small rectangular buildings documented from OS map of 1900 to date located at the rear yard of the National Slate Museum
NGR	SH 58575 60223
Easting	258575
Northing	360223
Type	Structure
Period	Post-medieval
Survival condition	Fair
Condition Rating	Fair
Broad Class	Industrial
Evidence	Cartographic Sources
Record compiled by	Siân Thomas
Record compiled on	19/07/24
Copyright	Archaeology Wales

ID	NSM11
Name	Large Saw Shed
Summary	Building documented building on the OS County Series of 1914
Welsh Summary	Adeilad a gofnodwyd ar Gyfres Siroedd OS 1914
Description	Buildings documented from the OS County Series of 1914 to date located at the rear yard of the National Slate Museum
NGR	SH 58536 60226
Easting	258536
Northing	360226
Type	Structure
Period	Post-medieval
Survival condition	Good
Condition Rating	Good
Broad Class	Industrial
Evidence	Cartographic Sources
Record compiled by	Siân Thomas
Record compiled on	19/07/24
Copyright	Archaeology Wales

ID	NSM12
Name	Small rectangular building
Summary	Small rectangular building documented on the OS County Series of 1914
Welsh Summary	Adeilad petryal bach a gofnodwyd ar Gyfres Siroedd OS 1914
Description	A small structure first depicted on the 1914 OS county series map, abutting the angle of two existing structures in the centre of Gilfach Ddu yard. It appears on mapping from 1975 but is not present on aerial photography from 2000.
NGR	SH 58543 602690
Easting	258543
Northing	360290
Type	Structure
Period	Post-medieval
Survival condition	Unknown
Condition Rating	Unknown
Broad Class	Industrial
Evidence	Cartographic Sources
Record compiled by	Siân Thomas
Record compiled on	19/07/24
Copyright	Archaeology Wales

ID	NSM13
Name	Small rectangular building - location of Pelton Wheel
Summary	Small rectangular building documented on the OS map of 1975
Welsh Summary	Adeilad petryal bach a gofnodwyd ar fap OS 1975
Description	Buildings documented from the OS map of 1975 to date, located at the rear yard of the National Slate Museum
NGR	SH 58518 360224
Easting	258518
Northing	360224
Type	Structure
Period	Post-medieval
Survival condition	Good
Condition Rating	Good
Broad Class	Industrial
Evidence	Cartographic Sources
Record compiled by	Siân Thomas
Record compiled on	19/07/24
Copyright	Archaeology Wales

ID	NSM14
Name	Small square building
Summary	Small square building documented on the OS map of 1975
Welsh Summary	Adeilad sgwâr bach a gofnodwyd ar fap OS 1975
Description	Buildings documented from the OS map of 1975 to date, located adjacent to Boat House
NGR	SH 58506 60228
Easting	258506
Northing	360228
Type	Structure
Period	Post-medieval
Survival condition	Good
Condition Rating	Good
Broad Class	Industrial
Evidence	Historic mapping
Record compiled by	Siân Thomas
Record compiled on	19/07/24
Copyright	Archaeology Wales

ID	NSM15
Name	Fron Haul cottages
Summary	A row of terraced workers houses
Welsh Summary	Rhes o dai teras i'r gweithwyr
Description	Row of four terraced houses relocated from Tanygrisiau to the National Slate Museum in 1999.
NGR	SH 58556 60184
Easting	258556
Northing	360184
Type	Structure
Period	Post-medieval
Survival condition	Good
Condition Rating	Good
Broad Class	Industrial
Evidence	Historic mapping
Record compiled by	Susan Stratton
Record compiled on	19/07/24
Copyright	Archaeology Wales

ID	NSM16
Name	Dressing sheds
Summary	A row of slate dressing sheds
Welsh Summary	Rhes o siediau naddu llechi
Description	<p>A row of slate dressing sheds, depicted on the 1889 OS map. They are also shown on a document from 1889 held in the Caernarfon Archives showing a new stocking ground (DQ 1919). They consisted of 16 sheds, all of the same dimensions, except the second from the south-east end, which was both longer and wider.</p> <p>The sheds were partially demolished by the production of the 1975 OS map, with only the four south-east sheds surviving. They now function as a small shop area within Padarn Country Park Car Park.</p>
NGR	SH 58525 60397
Easting	258525
Northing	360397
Type	Structure
Period	Post-medieval
Survival condition	Good
Condition Rating	Good
Broad Class	Industrial
Evidence	Historic mapping and site visit
Record compiled by	Susan Stratton
Record compiled on	19/07/24
Copyright	Archaeology Wales

ID	NSM17
Name	Small rectangular structure
Summary	Small rectangular building in Gilfach Ddu Yard – possibly a painter's shed.
Welsh Summary	Adeilad petryal bach yn Iard Gilfach Ddu – sied peintiwr o bosibl
Description	A small single storey hipped roofed building in the centre of Gilfach Ddu yard. Appears on the first edition OS map and may be an original structure relating to the construction of the complex in 1870.
NGR	SH 585 602
Easting	258
Northing	360
Type	Structure
Period	Post-medieval
Survival condition	Good
Condition Rating	Good
Broad Class	Industrial
Evidence	Site visit and historic mapping
Record compiled by	Siân Thomas
Record compiled on	19/07/24
Copyright	Archaeology Wales



Appendix III: Written Scheme of Investigation

**WRITTEN SCHEME OF INVESTIGATION
FOR AN ARCHAEOLOGICAL
DESK BASED ASSESSMENT AT
National Slate Museum, Llanberis, Gwynedd**

Prepared for:
AtkinsRéalis

Project No: 3124

June 2024

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Contents

1. Introduction	2
2. Site Description and historical background.....	3
3. Site Specific Objectives.....	5
4. The Proposed Archaeological Work.....	6
5. Method Statement	6
6. Resources & Timetable	10
7. Sources.....	11
Figures.....	12

Figures

Figure 1. Site Location	23
Figure 2. Location of National Slate Museum.....	24
Figure 3. Search areas.....	25

Summary

This Specification details the proposal for an Archaeological Desk Based Assessment associated with the proposed refurbishment of the National Slate Museum and associated works to create an Interpretation Hub for The Slate Landscape of Northwest Wales World Heritage Site at the National Slate Museum, Llanberis, Caernarfon LL55 4TY, United Kingdom – National Grid Reference SH 58542 60248.

This Written Scheme of Investigation (WSI) has been prepared by Archaeology Wales for AtkinsRéalis (henceforth - The Client).

1. Introduction

- 1.1.1. In June 2024, AtkinsRealis commissioned Archaeology Wales (AW) Ltd to carry out an Archaeological Desk Based Assessment associated with the proposed refurbishment of the National Slate Museum and associated works to create an Interpretation Hub for The Slate Landscape of Northwest Wales World Heritage Site. The National Slate Museum is located in Llanberis, Caernarfon LL55 4TY, United Kingdom – National Grid Reference SH 58542 60248 (Figure 1-2). The local planning authority is Cyngor Gwynedd Council (CGC).
- 1.1.2. This WSI has been prepared by Irene Garcia Rovira, Project Manager, Archaeology Wales Ltd (henceforth - AW) at the request of Heneb Gwynedd Archaeological Planning Service (henceforth – Heneb GAPS) and Cadw. It provides information on the methodology that will be employed by AW during a Desk Based Assessment and Site Visit associated with the proposed development. The methodology set out in this WSI has been agreed with Heneb GAPS in its capacity as archaeological advisors to the local planning authority.
- 1.1.3. All work will conform to the Standard and Guidance for Historic Environment Desk Based Assessment (CIfA 2020) and be undertaken by suitably qualified staff to the highest professional standards. AW is a Registered Organisation with the CIfA.

2. Site Description and historical background

- 2.1.1. The National Slate Museum is located on the outskirts of Llanberis, about 13km southeast of Caernarfon and 18km south of Bangor. Llanberis is located 400m to the southwest of the site. The site, part of the Slate Landscape of Northwest Wales World Heritage Site, is located at National Grid Reference SH 58542 60248 (Figure 1-2).
- 2.1.2. The museum is contained within the workshops of the former Dinorwic Slate Quarry and is devoted to the preservation and display of the slate industry of Wales.
- 2.1.3. The workshops were built in 1870 on land likely created by the tipping of spoil from Wellington and/or Muriau quarries. Quarry activity ceased in 1969, and the area was subsequently transformed into a museum. The latter opened in 1972. The workshops included saw-sheds, patternmaking shops, a foundry, blacksmith shops, stores, engine sheds, a canteen and a chief engineer's house. Up until 1925 all machinery was powered by a De Winton water wheel, later replaced by a Pelton wheel (Cadw 1999).
- 2.1.4. Historic map regression documents the workshop complex for the first time in the OS County series map of 1890. A railway system runs into the main building in a north/south direction. The area to the west is dominated by quarry tipping, while structures associated with the quarry are documented to the east. The first reference to the museum is documented on the 1975 OS map edition.
- 2.1.5. The former Dinorwic slate quarry workshops were registered as a Grade I listed building in 1999 – LB 22656. Furthermore, the three elements associated with Dinorwic Quarry are scheduled (CN 163): the Hafod Owen Winding Engine, the locomotive shed and the water wheel and housing. These elements are within and adjacent to the museum building. The museum building and the adjacent area forms an element within the World Heritage Site (WHS) of The Slate Landscape of Northwest Wales.

- 2.1.6. In December 2023, Archaeology Wales Ltd was commissioned to undertake an Archaeological Watching Brief within the grounds of the National Slate Museum, Gilfach Ddu, Llanddeiniolen, Llanberis, Gwynedd LL55 4TY.
- 2.1.7. The watching brief (Morrison 2024) confirmed the position of the nine exploratory holes and monitored the soakaways and hand dug pits. The results largely evidence the quarry waste upon which the former Dinorwic slate quarry workshops were built.
- 2.1.8. The remains of a wall were seen in Soakaway SA02. The examination of historic maps indicates that the wall may have been a boundary/retainer wall belonging to a track documented on the 1839 Tithe map of the studied area.
- 2.1.9. During pre-application discussions, Henneb GAPS (letter 7.2.24) noted that:
- [...] The principal archaeological aspect appears likely to be the risk to buried surfaces and features associated with the historic usage of the site, which may be disturbed or otherwise affected by new construction and landscaping works. Intrusive structural ground investigations have recently been carried out under a watching brief, which may give some indication of the degree of existing disturbance [...]*
- 2.1.10. During the pre-application process Cadw (letter 3.1.24) indicated that:
- [...] The proposed approach presented in the pre-application documents indicates an appropriate emphasis on conservation and enhancement of the historic buildings comprising the Gilfach Ddu works, combined with proposals for replacement of more modern elements including the shop and cafe, and physical interventions to improve visitor movement around the historic buildings. Broadly the approach presented appears beneficial and proportionate. The ambition to improve the sense of arrival of the Central Courtyard is particularly welcomed including the proposed replacement of the present shop with a more appropriately designed structure. The scale of new build is limited to replacement of existing structures plus small-scale*

interventions outside the museum footprint (to house a workshop) and mobile entrance structure. The physical separation of these external structures from the main building helps limit their impact. Nevertheless, these interventions have potential to impact both on the fabric and setting of the historic assets which will need to be fully assessed through the iterative process of preparation of a Heritage Impact Assessment (HIA).

3. Site Specific Objectives

- 3.1.1. The primary objective of the Desk Based Assessment will be to assess the potential impact of the development proposals on the historic environment by means of a detailed desk-based study 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.
- 3.1.2. 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.
- 3.1.3. This Desk Based Assessment 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. The information could then be used to determine further archaeological investigation or appropriate mitigation strategies for any archaeological remains within the area to be implemented prior to or during the proposed development. 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

- 4.1.1. The proposed archaeological work relates to the whole of the site, i.e. all of the application area.
- 4.1.2. 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:
- A detailed DBA (Stage 1)
 - A site visit (Stage 2)
 - The production of an illustrated report and the deposition of the site archive (Stage 3)

5. Method Statement

5.1. Desk Based Assessment

- 5.1.1. 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. It will involve the following areas of research:
 - 1) Collation and assessment of all relevant information in the regional HER, held by Heneb Gwynedd Archaeology, within a 500m buffer zone around the proposed development area.
 - 2) Collation and assessment of the impact on all Designated archaeological sites (Scheduled Monuments, Listed Buildings, Historic Parks and Gardens, Historic Landscapes, Conservation Areas, World Heritage Sites) within 2 km buffer zone around the proposed development area.
 - 3) Assessment of all available excavation report and archives including unpublished and unprocessed material affecting the site and its

setting.

- 4) Assessment of all extant aerial photographic (AP) evidence. This will include visits to Central Register of Air Photography for Wales, in Cardiff.
 - 5) Assessment of relevant archive records held at the County Archives, and as appropriate, site files held by RCAHMS
 - 6) Records held by the developer e.g., bore 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 imagery as available.
 - 10) Assessment of the records held by the Portable Antiquities Scheme.
 - 11) 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.
 - c) The history of the site, based on the areas of research outlined above.
 - d) The potential impact of any proposed development on the setting of known sites of archaeological importance (this will constitute a brief assessment, rather than a formal assessment such as that detailed in the Design Manual of Roads and Bridges).
 - e) The potential for further archaeological remains to be present, which have not been identified in pre-existing archaeological records.
 - f) The potential for further work, with recommendations if requested and

where appropriate for a suitable investigative and/or mitigation methodology.

5.2. Site Visit

- 5.2.1. The site visit will be a visual walked search of the accessible 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 taken into account along with the visible archaeology.
- 5.2.2. 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 center of the cluster will be used, and each constituent feature separately described in the text.
- 5.2.3. 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.
- 5.2.4. Digital photographs, including scales, will be taken using cameras with resolutions of 10 mega pixels or above.
- 5.2.5. The site visit will also assess the visual impact of the proposed development on the setting of known sites of archaeological importance. Photographs will be taken from the proposed development to help illustrate and assess this visual impact and Designated sites within the study area will also be visited with photographs taken towards the proposed development to help illustrate and assess this visual impact on these sites.

5.3. Report

- 5.3.1. 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.

- 5.3.2. The results will be presented in a report and will be detailed and laid out in such a way that data and supporting text are readily cross-referenced. The report will adhere to the Welsh Archaeological Trust's joint Guidance for the Submission of Data to the Welsh Historic Environment Records (updated 2022). The historical development of the site will be presented in phased maps and plans comprising clearly the outline of the site.
- 5.3.3. 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).
- 5.3.4. All relevant aerial photographs, re-plots and historic maps will be included and be fully referenced.
- 5.3.5. The report will specifically include the following:
 - a copy of the design brief (if applicable)
 - a location plan
 - all identified sites plotted on an appropriately scaled plan of the proposal site
 - a gazetteer of all located sites
- 5.3.6. Copies of the report will be sent to the client and to Heneb GAPS for inclusion in the HER. Digital copies will be provided in pdf format.

5.4. Site Archive

- 5.4.1. A project archive will be prepared in accordance with the National Monuments Record (Wales) agreed structure and be deposited with the National Monuments Records, held and maintained by the RCAHMW, Aberystwyth on completion of the report. It will also conform to the guidelines set out in The National Standard and Guidance to Best Practice for Collecting and Depositing Archaeological Archives in Wales (2017). The digital archive will be deposited

with the NMR.

- 5.4.2. 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.
- 5.4.3. The format and presentation of other significant digital data generated by the survey (i.e., AP plots, EDM surveys, CAD drawings, GIS maps, etc.) will be agreed with the curator in advance of its preparation.

6. Resources & Timetable

6.1. Standards

- 6.1.1. The Archaeological Desk Based Assessment will be undertaken by AW staff using current best practice. All work will be undertaken to the standards and guidelines of the CIfA.

6.2. Staff

- 6.2.1. Overall management of the project will be undertaken by Irene Garcia Rovira – (AW Project Manager) and undertaken by suitably qualified AW staff.

6.3. Timetable of archaeological works

- 6.3.1. The work will be undertaken at the convenience of the client and is likely to commence immediately.

6.4. Insurance

- 6.4.1. 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.

6.5. Arbitration

- 6.5.1. 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.

6.6. Health and safety

- 6.6.1. All members of staff will adhere to the requirements of the *Health & Safety at Work Act*, 1974, and the Health and Safety Policy Statement of AW.

7. Sources

British Geological Survey: Geology of Britain viewer:
www.bgs.ac.uk/discoveringGeology/geologyOfBritain/viewer.html (accessed 4.6.24)

Chartered Institute for Archaeologists, 2020. Standards and guidance for the creation, compilation, transfer and deposition of archaeological archives.

Chartered Institute for Archaeologists, 2020. Standards and guidance for the collection, documentation, conservation and research of archaeological materials.

Chartered Institute for Archaeologists, 2020. Standards and guidance for historic environment desk-based assessment.

Morrison, L. 2024. Archaeological Watching Bried at National Slate Museum, Llanberis, Gwynedd. Archaeology Wales report 2262.

National Panel for Archaeological Archives in Wales, 2017. The National Standard and Guidance to Best Practice for Collecting and Depositing Archaeological Archives in Wales

Welsh Archaeological Trusts, 2022. Guidance for the Submission of Data to the Welsh Historic Environment Records (HERs).

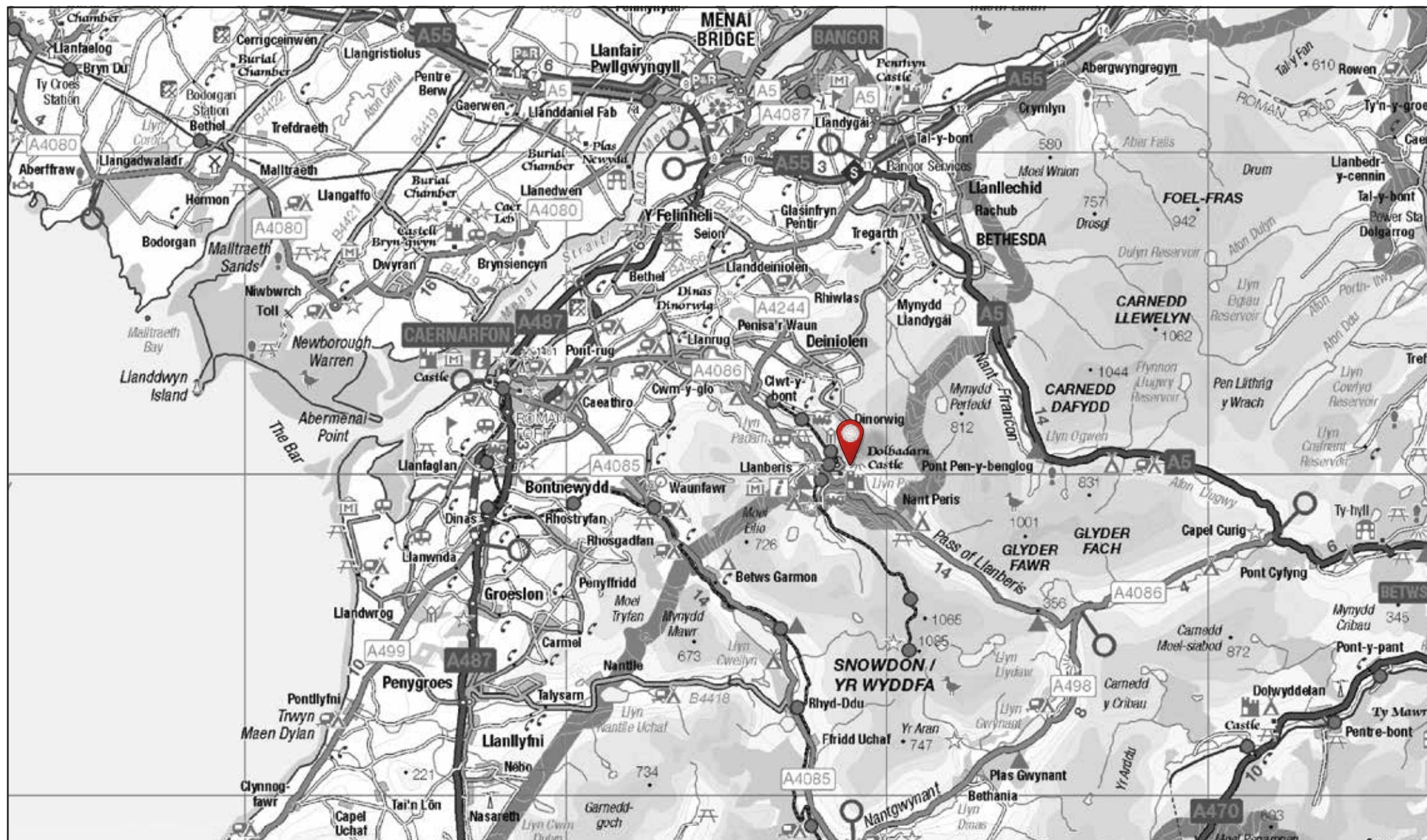


Figure 1. Site Location



Site Location



0 2.5 5 km



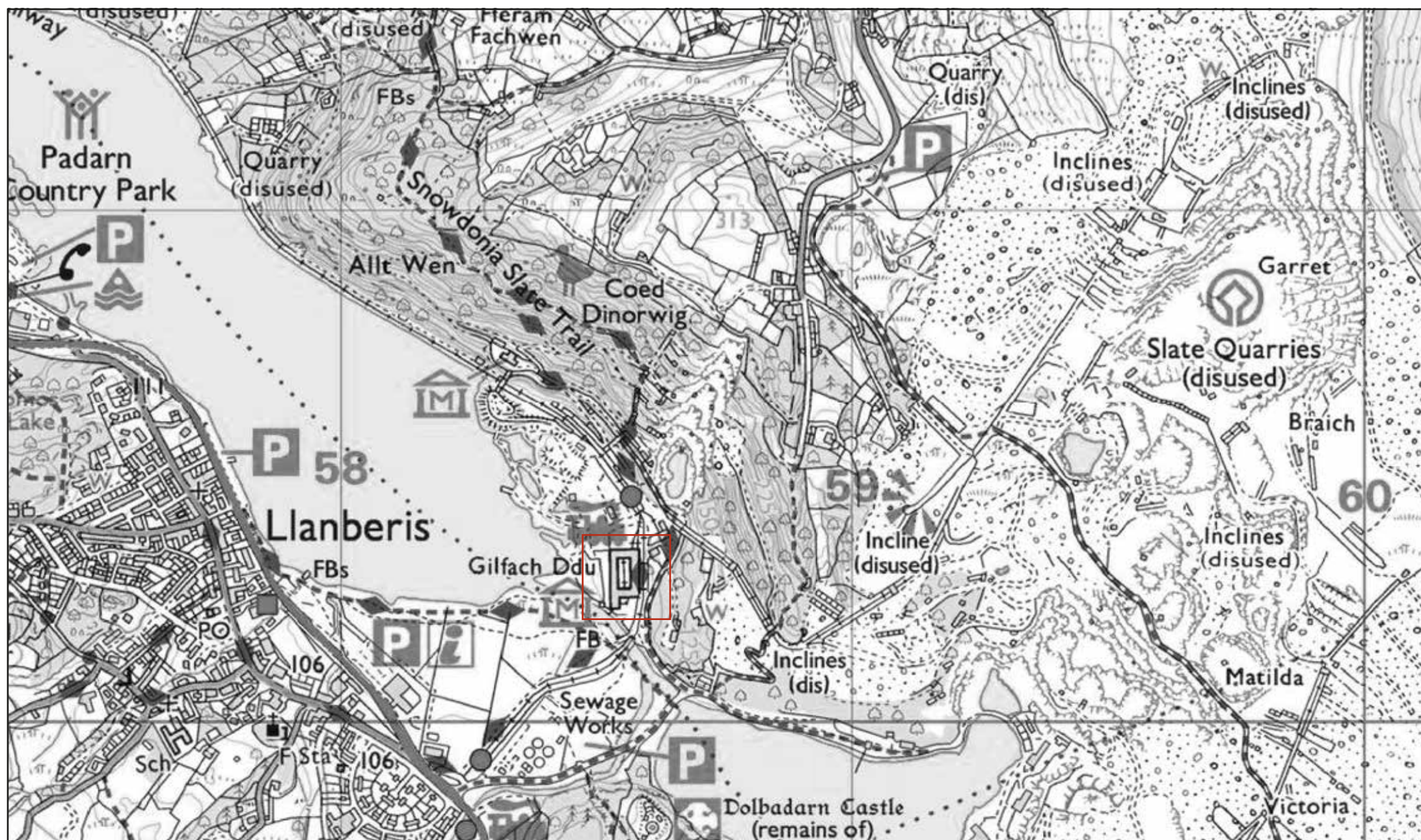


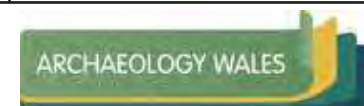
Figure 2. Location of National Slate Museum.



Site Location



0 250 500 m



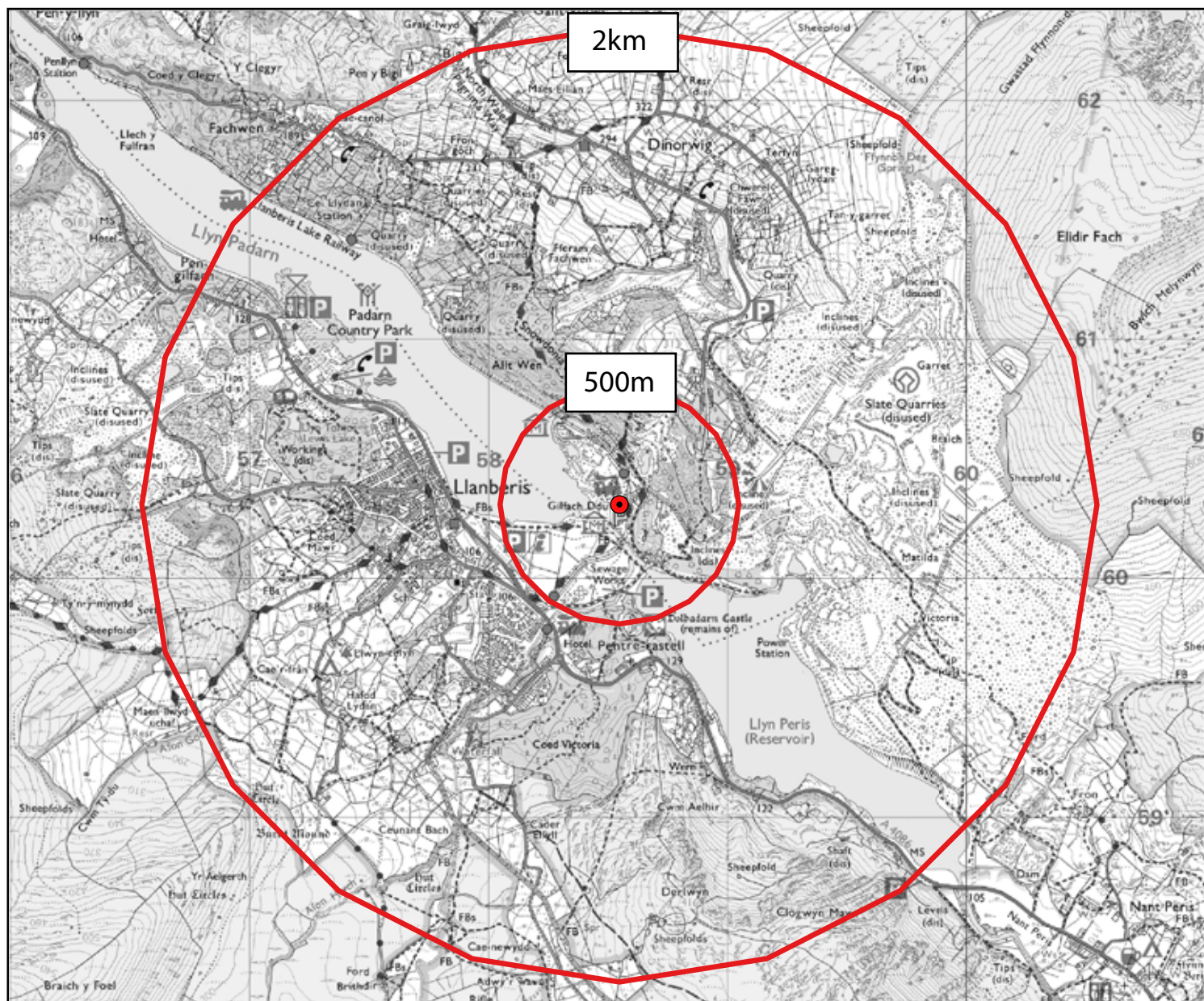
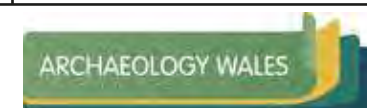


Figure 3. Search areas.

-  Search areas
-  Site location



0 500 1,000 m



Appendix IV: Data Management Plan

Data Management Plan

Section 1: Project Administration

Project ID
3124
Project Name
National Slate Museum, Llanberis
Project Description
Archaeological Desk Based Assessment associated with proposed refurbishment of the National Slate Museum and associated works to create an Interpretation Hub for The Slate Landscape of Northwest Wales World Heritage Site at the National Slate Museum, Llanberis, Caernarfon LL55 4TY, United Kingdom
Project Funder / Grant reference
AtkinsRéalis
Project Manager
Irene Garcia Rovira
Principal Investigator / Researcher
Lucy Morrison
Data Contact Person
Rhiannon Philp (rhiannon.philp@arch-wales.co.uk)
Date DMP created
04/06/2024
Date DMP last updated
26/06/24
Version
V2
Related data management policies
This DMP is guided by the Project Brief, CifA Standards and guidance, trusted digital repository guidelines (RCAHMW) or other best practice guidance (see brief for details)

Section 2: Data Collection

What data will you collect or create?		
The table below provides a summary of the data types, formats and estimated archive volume for data collected / created as part of this project. As the project progresses, more detail regarding files will be added to this DMP.		
Type	Format	Estimated volume (Data Archived)
Text/documents	PDF (.pdf)	1
Images	Photographs (.jpg)	197
	PDF (.pdf)	-
Spreadsheets	Excel spreadsheet (.xlsx)	-
GIS	Shapefiles (.shp plus associated files)	2 groups

How will the data be collected or created?
Data Standards / Methods

- Standard methods of data collection will be applied throughout the project, working to best practice guidance where applicable / available. In general, data acquisition standards are defined against RCAHMW Guidelines. Specific or additional guidance relevant to this project are listed below, and will
- be updated as the project progresses.
- Methods of collection are specified within the Project Design and will meet the requirement set out in the Project Brief, the organisation recording manual and relevant CIfA Standards and guidance.
- Where appropriate, project contributors external to the organisation will be required to include data standards, collection methodology and metadata with individual reports and data.
- Specific guidance:
 - Chartered Institute for Archaeologists, 2020. Standard and guidance for the archaeological investigation and recording of standing buildings or structures.
 - Historic England, 2016. Understanding Historic Buildings: A Guide to Good Recording Practice

Data storage / file naming

- The data produced will be uploaded at regular intervals during the project as a way of backing up the information.
- The working project archive will be stored in a project specific folder on the internal organisational server. The internal organisation server is backed up to a cloud-based storage system to maintain an up-to-date security copy of the organisation wide data.
- Project folders are named following established organisational procedures and the folder hierarchy and organisation devised will be understood by all members of staff involved in the project.
- Data collected will be downloaded and raw data will be stored in the appropriate folder.
- File naming conventions following established organisational procedures, based on RCAHMW file naming guidance, and include version control management.
- The data stored will be checked by the project manager regularly as a means of quality assurance.

Section 3: Documentation and metadata

What documentation and metadata will accompany the data?

- Data collected will include standard formats which maximise opportunities for use and reuse in the future (see Section 2, above).
- A RCAHMW metadata document will be included with the digital archive and include all data types included within the archive. A working copy will be kept on the organisational server in the Project Folder. A copy of the form containing HER required data will also be created.
- Data documentation will meet the requirement of the Project Brief, Museum Deposition Guidelines, Digital Repository Guidelines and the methodology described in the Project Design methodology.

- An archive catalogue documenting both physical and digital archive products will be maintained and submitted with both the Museum and Trusted Digital Repository

Section 4: Ethics and legal compliance

How will you manage any ethical, copyright and Intellectual Property Rights (IPR) issues?

- The project archive will include the names and contact details of individuals who intend to volunteer or participate in the excavation and post excavation stages. We have a GDPR compliant Privacy Policy which underpins the management of personal data; any personal data is managed through a secure cloud-based database and not retained on the project specific folders.
- Personal data will be removed from the archaeological project archive and permission to include individual's names in any reporting is gained prior to use.
- Copyright for all data collected by the project team belongs to the organisation, and formal permission to include data from external specialists and contractors is secured on the engagement of the specialist or contractor.
- Where formal permissions and/or license agreements are linked to data sharing, they will be included in the project documentation folders and will accompany the archaeological project archive.

Section 5: Data Security: Storage and Backup

How will the data be stored, accessed and backed up during the research?

- Organisational IT is managed by an external data management provider, who is also responsible for the management and verification of our daily back-ups and who supports access to security copies as needed
- Sufficient data storage space is available via the organisational server, which includes permissions-based access. The server is accessible by staff on and offsite through a secure log-in
- Off-site access to the project files on the organisation's server is provided to support back-up of raw data while fieldwork is ongoing. Where internet access for data back up is not possible, the raw data will be backed up to a separate media device (such as laptop and portable external hard drive).
- Project files will be shared with external specialists and contractors directly using the same system, with the wider project team gaining access to only the files needed using permissions-based access

Section 6: Selection and Preservation

Which data should be retained, shared, and/or preserved?

- The Selection Strategy and DMP will be reviewed and updated as part of the Post Excavation Assessment and Updated Project Design and following full analysis. Updated documentation will be included in all reporting stages.
- Prior to deposition, the Selection Strategy and DMP will be updated and finalised in agreement with all project stakeholders (including the Local Planning Archaeologist, Client, Museum, RCAHMW).
- Selection will be informed by the Project Design, defined against the research aims, regional and national research frameworks, specialist advice and the significance of the project results.
- The project will be published as an online technical report (accessible via RCAHMW and as part of this archive), with full access to research data.

<ul style="list-style-type: none"> • The data archive will be ordered, with files named and structured in a logical manner, and accompanied by relevant documentation and metadata, as outlined in Sections 2 and 3 of this DMP. • Deselection will be undertaken automatically on any duplicate or unusable files, such as blurry or superfluous photographs.
What is the long-term preservation plan for the dataset?
<ul style="list-style-type: none"> • The digital archive will be deposited with the RCAHMW, which is working towards becoming a certified repository with Core Trust Seal. • The archive will be prepared for deposition by the project team and the costs for the time needed for preparation, and the cost of deposition have been included in the project budget.
Have you contacted the data repository?
<ul style="list-style-type: none"> • AW has an ongoing agreement with the RCAHMW who the intended repository for digital data are.
Have the costs of archiving been fully considered?
<ul style="list-style-type: none"> • A costing estimate has been produced to allow for the preparation of the archive and has been included in the project budget.

Section 7: Data Sharing

How will you share the data and make it accessible?
<ul style="list-style-type: none"> • The museum and digital archive repository and will be updated as the project progresses. • The investigations have resulted in the following documents: Project Design, Desked-based Assessment Report • A final version of the project report will be supplied to the Historic Environment Record, and any data which they request can also be provided directly. • The location (s) of the final Archaeological Archive will be included in the final report
Are any restrictions on data sharing required?
<ul style="list-style-type: none"> • A temporary embargo may be required on the sharing of the project results. If this is the case, specific details once agreed will be included in the updated version of this DMP and will be documented in the overarching Project Collection Metadata. • Data specific requirements, ethical issues or embargos which are linked to particular data formats will be documented within the relevant metadata tables accompanying the project archive

Section 8: Responsibilities

Who will be responsible for implementing the data management plan?
<ul style="list-style-type: none"> • The Project Manager and Post Excavation Manager will be responsible for implementing the DMP, and ensuring it is reviewed and revised at each stage of the project. • Data capture, metadata production and data quality is the responsibility of the Project Team, assured by the Project Manager and Post Excavation Manager. • Storage and backup of data in the field is the responsibility of the field team. • Once data is incorporated into the organisations project server, storage and backup is managed by an external company.

- Data archiving is undertaken by the project team under the guidance of the Post Excavation Manager, who is responsible for the transfer of the Archaeological Project Archive to the agreed repository.
- Details of the core project team can be found in the Project Design.

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