

FFERM COLEG GLYNLLIFON / GLYNLLIFON COLLEGE FARM

ASESIAD ARCHEOLEGOL /
ARCHAEOLOGICAL ASSESSMENT



Ymddiriedolaeth Archaeolegol Gwynedd
Gwynedd Archaeological Trust

FFERM COLEG GLYNLLIFON / GLYNLLIFON COLLEGE FARM

ASESIAD ARCHEOLEGOL / ARCHAEOLOGICAL ASSESSMENT

Yr Amgylchedd Hanesyddol yn Cofnodi Prif Gyfeirnod /
Historic Environment Record Event Primary Reference Number: 46305

Prosiect Rhif / Project No. G2743

Adroddiad Rhif / Report No. 1656

Wedi'i baratoi ar gyfer / Prepared for: Grŵp Llandrillo Menai

Hydref 2022 / October 2022

Ysgrifenyddwyd gan / Written by: Bethan Jones, Robert Evans, John Roberts and Neil McGuinness

Delwedd clawr blaen: Gweld i'r de o fferm y coleg (cyfeirnod archif: G2743_54) /
Front Cover image: View south of the college farm (archive reference number: G2743_54)

Cyhoeddwyd gan Ymddiriedolaeth Archaeolegol Gwynedd
Ymddiriedolaeth Archaeolegol Gwynedd
Craig Beuno, Ffordd y Garth,
Bangor, Gwynedd, LL57 2RT

Published by Gwynedd Archaeological Trust
Gwynedd Archaeological Trust
Craig Beuno, Garth Road,
Bangor, Gwynedd, LL57 2RT

Cadeiryddes/Chair - Yr Athro/David Elis-Williams MA(Oxon), MSc, CPFA
Prif Archaeolegydd/Chief Archaeologist - Andrew Davidson, B.A., MCIfA

Mae Ymddiriedolaeth Archaeolegol Gwynedd yn Gwmni Cyfyngedig (Ref Cof. 1180515) ac yn Elusen (Rhif Cof. 508849)
Gwynedd Archaeological Trust is both a Limited Company (Reg No. 1180515) and a Charity (reg No. 508849)

CONTENT

CRYNHODEB ANHECHNEGOL	4
NON-TECHNICAL SUMMARY	4
1 INTRODUCTION	4
2 METHODOLOGY	6
2.1 Desktop Study.....	6
2.2 Walkover Survey.....	8
2.3 Gazetteer of Features	9
2.4 Data Management Plan & Selection Strategy.....	12
3 RESULTS.....	14
3.1 Desk Based Assessment	14
3.1.1 Location & Geological Summary	14
3.1.2 Statutory & Non-Statutory Designations.....	15
3.1.3 Historical & Archaeological Background	16
3.1.3.1 Introduction.....	16
3.1.3.2 Prehistoric.....	17
3.1.3.3 Roman.....	19
3.1.3.4 Medieval.....	20
3.1.3.5 Post-Medieval	21
3.1.3.6 Previous Archaeological Work.....	25
3.1.4 Artefact potential.....	27
3.1.5 Ecofact potential	27
3.1.6 Aerial Photographs	28
3.1.7 LiDAR.....	29
3.2 Walkover Survey.....	30
3.2.1 Introduction.....	30
3.2.2 Dairy Farm and Sheds	31
3.2.3 Sheep Farm	33
3.3 Gazetteer of Assets.....	35
3.3.1 Introduction.....	35
3.3.2 Dairy Sheds	36
3.3.3 Sheep Farm	47
4 CONCLUSION & RECOMMENDATIONS	51

4.1	Introduction.....	51
4.2	Dairy Shed	52
4.3	Sheep Farm	53
5	SOURCES CONSULTED.....	54
APPENDIX I		56
	Gwynedd Archaeological Trust Written Scheme of Investigation.....	56
APPENDIX II		57
	Gwynedd Archaeological Trust Photographic Archive	57
APPENDIX III.....		58
	Statutory Archaeological Assets and Non-Statutory Archaeological Assets Located Within The 1km Search Area.....	58
APPENDIX IV.....		59
	Gwynedd Archaeological Trust Selection Strategy	59

Figures

Figure 01: Location plan detailing proposed development areas

Figure 02: Reproduction of Capita Architecture Drawing Number DDP-CAP-00_ZZ-DR-A-50002_rev P02 – Dairy Shed Existing Block Plan

Figure 03: Reproduction of Capita Architecture Drawing Number DDP-CAP-00_ZZ-DR-A-50004_rev P02 – Dairy Shed Proposed Block Plan

Figure 04: Reproduction of Capita Architecture Drawing Number DDP-CAP-00_ZZ-DR-A-50003_rev P02 – Sheep Farm Existing Block Plan

Figure 05: Reproduction of Capita Architecture Drawing Number DDP-CAP-00_ZZ-DR-A-50005_rev P02 – Sheep Farm Proposed Block Plan

Figure 06: Map of Glynllifon Demesne with schedule of lands (1751) (Gwynedd Archive reference XD2A/1580)

Figure 07: Glynllifon Demesne and Penbryn Bwlan (1790) (Ms Maps vol. 95 p32)

Figure 08: Map of park and demesne lands at Glynllifon (1824). (Gwynedd Archives Reference XD2A/857).

Figure 09: Map of Glynllifon Demesne in the parish of Llandwrog (1828-1840) (Gwynedd Archives Reference: XD2A/858).

Figure 10: Extract from the Llandwrog Parish Tithe Map of 1849. The dairy area is in plot 667, and the sheep farm is in plot 676. Not to Scale.

Figure 11: 1st edition Caernarvonshire County Series Ordnance Survey Map of 1889, sheets XX.03 and 07, showing Parc Glynllifon. Scale 1:7500@A4. Approximate study areas outlined in red.

Figure 12: 2nd edition Caernarvonshire County Series Ordnance Survey Map of 1900, sheets XX.03 and 07, showing Parc Glynllifon. The pheasantry (Asset 239) is shown adjacent to Fort Williamsburg. Scale 1:7500@A4. Approximate study areas shown in red.

Figure 13: Reproduction of 1946 aerial photograph 4607 RAF 3G TUD UK 193 Frame 6070

Figure 14: Reproduction of Lle Geo-Portal Light Detection and Ranging (LiDAR) digital terrain modelling (DTM) 1m DTM composite dataset for SH4555. Not to Scale.

Figure 15: Historic Assets in the Study Area (North)

Figure 16: Historic Assets in the Study Area (South)

Plates

Plate 1: Asset 1 (NGR SH45875553) - View of ranges (Listed Building Grade II 20488); scale 1x1m; view from N (archive reference: G2743_16).

Plate 2: Asset 1 & 2 (NGR SH45855553) - Former farm office (Listed Building Grade II 20487), with range (Listed Building Grade II 20488); scale 1x1m; view from W (archive reference: G2743_14).

Plate 3: Asset 3 (NGR SH45855553) - View of cartsheds (Listed Building Grade II 20489); scale 1x1m; view from SW (archive reference: G2743_17).

Plate 4: Asset 4 (NGR SH45885556) - View of parallel barns (Listed Building Grade II 20491); scale 1x1m; view from N (archive reference: G2743_15).

Plate 5: Asset 4 (NGR SH45835550) - View of parallel barns (Listed Building Grade II 20491); scale 1x1m; view from SW (archive reference: G2743_18).

Plate 6: Asset 1 & 3 (NGR SH45885556) - View of ranges (Listed Building Grade II 20488) and cowsheds (Listed Building Grade II 20489) located alongside building to be demolished; scale 1x1m; view from NE (archive reference: G2743_27).

Plate 7: Asset 5 (NGR SH45835556) - View of north range building and yard (Listed Building Grade II 20496); scale 1x1m; view from N (archive reference: G2743_12).

Plate 8: Asset 5 (NGR SH45555536) - View of other side of north range building and yard (Listed Building Grade II 20496); scale 1x1m; view from W (archive reference: G2743_13).

Plate 9: Asset 6 (NGR SH45835553) - View of barn (Listed Building Grade II 20493); scale 1x1m; view from SW (archive reference: G2743_10).

Plate 10: Asset 6 (NGR SH45835556) - View of rear of barn (Listed Building Grade II 20493); scale 1x1m; view from NE (archive reference: G2743_11).

Plate 11: Asset 7 (NGR SH45555536) - View of nineteenth century boundary wall within proximity to the slurry tank; scale 1x1m; view from E (archive reference: G2743_04).

Plate 12: Asset 7 (NGR SH45815554) - View of nineteenth century boundary wall from the other end with attached wooden pole in the background.; scale 1x1m; view from NE (archive reference: G2743_05).

Plate 13: Asset 7 (NGR SH45815554) - View of slate divided pens of northeast parallel range, with entrance in the background; scale 1x1m; view from N (archive reference: G2743_07).

Plate 14: Asset 7 (NGR SH45805552) - View of entrance into parallel farm ranges (Listed Building Grade II 20494); scale 1x1m; view from NE (archive reference: G2743_08).

Plate 15: Asset 8 (NGR SH45835553) - View of L-shaped range (Listed Building Grade II 20495); scale 1x1m; view from N (archive reference: G2743_09).

Plate 16: Asset 10 (NGR SH45775557) - View of Bronze Age standing stone (scheduled monument Cn356) located next to a slurry store scheduled for demolition; scale 1x1m; view from SW (archive reference: G2743_01).

Plate 17: Asset 10 (NGR SH45775557) - View of Bronze Age standing stone (scheduled monument Cn356) located to a slurry store scheduled for demolition; scale 1x1m; view from NW (archive reference: G2743_02).

Plate 18: Asset 10 (NGR SH45775557) - Close up view of Bronze Age standing stone (scheduled monument Cn356) showing close proximity to slurry stone tra; scale not used; view from NE (archive reference: G2743_03).

Plate 19: Asset 17 (NGR SH45855550) - View of cowhouse (Listed Building Grade II 20492); scale 1x1m; view from N (archive reference: G2743_19).

Plate 20: Asset 18 (NGR SH45855550) - View of dovecote (Listed Building Grade II 20490); scale 1x1m; view from N (archive reference: G2743_20).

Plate 21: Asset 18 (NGR SH45855550) - View of graffiti of geese on northeast face gable end of dovecote (Listed Building Grade II 20490); scale not used; view from NE (archive reference: G2743_21).

Plate 22: Asset 18 (NGR SH45855550) - Close-up view of graffiti of geese on northeast face gable end of dovecote (Listed Building Grade II 20490); scale not used; view from NE (archive reference: G2743_22).

Plate 23: Asset 18 (NGR SH45855550) - View of dovecote (Listed Building Grade II 20490); scale not used; view from NW (archive reference: G2743_23).

Plate 24: Asset 18 (NGR SH45855550) - View of interior of dovecote (Listed Building Grade II 20490); scale not used; view from SE (archive reference: G2743_24).

Plate 25: Asset 18 (NGR SH45855550) - View inside roofspace of graffiti of geese on northeast face gable end of dovecote (Listed Building Grade II 20490); scale not used; view from NW (archive reference: G2743_25).

Plate 26: Asset 18 (NGR SH45855550) - View of ranges at western end of dovecote (Listed Building Grade II 20490); scale 1x1m; view from W (archive reference: G2743_26).

Plate 27: Asset 7 & 168 (NGR SH45815554) - Arched entranceway (Listed Building Grade II 20478) and farm building range (Listed Building Grade II 20494); scale 1x1m; view from NW (archive reference: G2743_06).

Plate 28: Asset 241 & 18 (NGR SH45855550) - View of proximity of slurry tank to dovecote (Listed Building Grade II 20490); scale not used; view from N (archive reference: G2743_33).

Plate 29: Asset 240 & 241 (NGR SH45915553) - View of slurry tank and barn to be demolished; located against listed buildings; scale not used; view from SE (archive reference: G2743_28).

Plate 30: Asset 240 & 241 (NGR SH45915553) - View of slurry tank and barn to be demolished; located against listed buildings; scale not used; view from S (archive reference: G2743_29).

Plate 31: Asset 240 & 243 (NGR) - View of two barns proposed for demolition; scale 1x1m; view from SE (archive reference: G2743_30).

Plate 32: Asset 199 (NGR SH45555536) - View of outer wall of Fort Williamsburg (Listed Building Grade II 20467); scale 1x1m; view from S (archive reference: G2743_35).

Plate 33: Asset 199 (NGR SH45555536) - Arched voussoir entrance into Fort Williamsburg; scale 1x1m; view from SW (archive reference: G2743_52).

Plate 34: Asset 200 (NGR SH46005500) - Approximate location of axe hammer findpsot; scale 1x1m; view from S (archive reference: G2743_36).

Plate 35: Asset 239 (NGR SH46055501) - View of farm building to be demolished, including pheasantry; scale 1x1m; view from N (archive reference: G2743_37).

Plate 36: Asset 239 (NGR SH46055501) - View of pheasantry with original stonework on left and brickwork on right; scale not used; view from NW (archive reference: G2743_38).

Plate 37: Asset 239 (NGR SH46055501) - White plaster interior of pheasantry along left with bricks and windows on right; scale 1x1m; view from W (archive reference: G2743_39).

Plate 38: Asset 239 (NGR SH46055501) - Original exterior along northeast edge of pheasantry; scale 1x1m; view from N (archive reference: G2743_40).

Plate 39: Asset 239 (NGR SH46055501) - View of nineteenth century pheasantry wooden door with bolt decoration and iron handle; scale 1x1m; view from NE (archive reference: G2743_41).

Plate 40: Asset 239 (NGR SH46055501) - View of original pheasantry stone walling against twentieth century brickwork; scale 1x1m; view from S (archive reference: G2743_42).

Plate 41: Asset 239 (NGR SH46055501) - View of possible small accommodation attached to pheasantry; scale 1x1m; view from NE (archive reference: G2743_44).

Plate 42: Asset 239 (NGR SH46055501) - View of surround of former fire range in pheasantry; very overgrown; scale not used; view from N (archive reference: G2743_45).

Plate 43: Asset 239 (NGR SH46055501) - View of slate kerb stones lying in line to pheasantry entrance - 2.97m; scale 1x1m; view from NW (archive reference: G2743_46).

Plate 44: Asset 244 (NGR SH46045499) - View of sheep barns and pens to be demolished; scale 1x1m; view from E (archive reference: G2743_43).

Plate 45: Asset 246 (NGR SH46105500) - Earth mound in adjoining field for development area; possible clearance cairn; scale 1x1m; view from E (archive reference: G2743_47).

Plate 46: Asset 247 (NGR SH45555536) - Relict field boundary within development area in between south-southwest field and SSSI area; scale 1x1m; view from NE (archive reference: G2743_51).

CRYNHODEB ANHECHNEGOL

Comisiynwyd Ymddiriedolaeth Archeolegol Gwynedd gan Grŵp Llandrillo Menai i wneud asesiad archeolegol seiliedig ar ddesg ar Fferm Coleg Glynllifon, datblygiadau amaethyddol arfaethedig ar gyfer fferm laeth a fferm ddefaid. Nodweddir yr ardaloedd datblygu gan adeiladau o'r ddeunawfed ganrif a'r bedwaredd ganrif ar bymtheg a oedd yn gysylltiedig â chyn Ystâd Glynllifon yn ogystal â strwythurau a oedd yn gysylltiedig â Fferm Coleg Glynllifon. Bydd y datblygiadau'n cynnwys dymchwel hen strwythurau ffesantod ac amaethyddol ac argymhellir bod y rhain yn cael eu cofnodi cyn eu dymchwel, tra bod briff gwyllo hefyd yn cael ei argymhell yn ystod gwaith daear, yn enwedig yn agos at asedau hysbys.

NON-TECHNICAL SUMMARY

Gwynedd Archaeological Trust was commissioned by Grŵp Llandrillo Menai to undertake an archaeological desk-based assessment at Glynllifon College Farm, advanced of proposed agricultural developments for a dairy farm and a sheep farm. The development areas were characterised by eighteenth and nineteenth century buildings associated former Glynllifon Estate, as well as structures associated with Glynllifon College Farm. The developments will include the demolition of a former pheasantry and agricultural structures and it is recommended that these are recorded ahead of demolition, whilst a watching brief is also recommended during groundworks, particularly in proximity to known assets.

1 INTRODUCTION

Gwynedd Archaeological Trust (GAT) has been commissioned by Grŵp Llandrillo Menai to undertake an archaeological desk-based assessment at Glynllifon College Farm, Ffordd Clynnog, Llandwrog, Gwynedd (NGR SH45555536; post code LL54 5DU) in advanced of two proposed developments. The proposed developments include:

- Proposed Dairy Farm and Shed: located at NGR SH45905552; works to include: demolition of the existing dairy farm building and cow shed, removal of two existing slurry tanks, erection of a new livestock shed and milking parlour, construction of a silage clamp and dry manure store, internal access road together with associated works (Figure 01). The proposed dairy farm building will be 70.5m x 47.5m and be 9.1m to the ridge and 4.5m to the eaves; the rotary parlour shed would measure 20.5m x 50m, with a height of 6.9m to the ridge and 4m to the eaves (Figure 02). The proposed buildings will be modern purpose-built agricultural buildings that incorporate traditional materials such as stone to reflect the historic setting of the site's location on the elevation facing the historic farmyard. The development area includes eleven listed buildings (Grade II) and an adjacent Scheduled Monument; and
- Proposed Sheep Farm and Centre: located at NGR SH46045495; works to include: demolition of existing lambing and sheep sheds and erection of two livestock sheds together with associated facilities and milking parlour, creation of landscaping bund, together with associated works (Figure 02). The sheep centre would measure 43m x 56m, providing a floorspace of 2,105sqm with a height of 8.4m to the ridge and 4.7m to the eaves. The lambing/lamb rearing shed would measure 16m x 30m, providing a floorspace of 480sqm, with a height of 6.5m to the ridge and 5m to the eaves. The proposed new buildings will be modern purpose building agricultural buildings but will incorporate traditional materials such as stone to reflect the historic setting of the application site. There are seven Grade II* Listed Buildings in proximity to the site.

The developments are located within areas that formerly belonged to the Glynllifon Estate, which was established by the Wynn family and developed extensively during the eighteenth and nineteenth century. The development areas are now part of Glynllifon College Farm, whilst Plas Glynllifon, located to the northwest, is under separate ownership.

The aim of the desk-based assessment was to examine the archaeological potential at each location, including the buildings proposed for demolition. The assessment was undertaken during September 2022 and completed in accordance with the following guidance:

- Guidance for the Submission of Data to the Welsh Historic Environment Records (HERs) Version 1.1 (The Welsh Archaeological Trusts, 2018);
- Guidelines for digital archives (Royal Commission on Ancient and Historic Monuments of Wales, 2015);
- Management of Archaeological Projects (English Heritage, 1991);
- Management of Research Projects in the Historic Environment: The MoRPHE Project Managers' Guide (Historic England, 2015);
- Standard and Guidance for historic environment desk-based assessment (Chartered Institute for Archaeologists, 2020);
- Standard and guidance for the collection, documentation, conservation and research of archaeological materials (Chartered Institute for Archaeologists, 2020)
- Standard and guidance for the creation, compilation, transfer and deposition of archaeological archives (Chartered Institute for Archaeologists, 2020).

The assessment was monitored by the Gwynedd archaeological Planning Service and undertaken in accordance with an approved Written Scheme of Investigation (cf. [Appendix I](#)). In line with the Gwynedd Historic Environment Record (HER) requirements, the HER was contacted at the onset of the project and HER Enquiry Number GATHER1708 and Event Primary Reference Number 46305 were assigned.

2 METHODOLOGY

2.1 Desktop Study

A desk-based assessment is defined as “a programme of study of the historic environment within a specified area or site on land, the inter-tidal zone or underwater that addresses agreed research and/or conservation objectives. It consists of an analysis of existing written, graphic, photographic and electronic information in order to identify the likely heritage assets, their interests and significance and the character of the study area, including appropriate consideration of the settings of heritage....Significance is to be judged in a local, regional, national or international context as appropriate” (ClfA 2020, 4).

The assessment was centred on the two proposed development locations: at NGR SH45905552, the proposed location of a new livestock shed and milking parlour, construction of a silage clamp and dry manure store, internal access road together with associated works, and at NGR SH46045495, the proposed location of two livestock sheds together with associated facilities and milking parlour, creation of landscaping bund, together with associated works. The search area will include 1km buffers around both development areas that will capture all statutory and non-statutory designations.

The desk top study included the following resources:

- The regional Historic Environment Record (Gwynedd Archaeological Trust, Craig Beuno, Ffordd y Garth, Bangor, Gwynedd LL57 2RT) was examined for all statutory and non-statutory designations within a 1km assessment buffer, including statutory designations (including Scheduled Monuments and Listed Buildings) and non-statutory designations (including Primary Reference Numbers). Historic mapping was examined, including the 25-inch County Series Ordnance Survey maps (Sheets XX.3 and XX.7, editions published in 1889, 1900 and 1918). Secondary source information held within the HER was also examined, including GAT reports 826, 827, 830, 834, 837 and 907 (GAT project code G2092). The Heritage Impact Assessments prepared for both locations by Cadnant Planning were also consulted (documents 2019.076_04 and 2019.076_05);
- The Royal Commission on the Ancient and Historical Monuments of Wales (Plas Crug, Aberystwyth SY23 1NJ) will be checked for any will be examined for all statutory and non-statutory designations sites additional to the HER;
- Aerial photographs from the National Monuments Record of Wales (Royal Commission on the Ancient and Historical Monuments of Wales, National Monuments Record of Wales,

Plas Crug, Aberystwyth SY23 1NJ) were examined for potential features. This included 1946 RAF vertical aerial photographs;

- The online catalogue search of the National Library of Wales (Penglais Rd, Aberystwyth SY23 3BU) was examined;
- Archive data, including primary and secondary sources, historic maps and estate maps were examined at the regional archives located at Caernarfon Record Office, Swyddfa'r Cyngor, Caernarfon LL55 1SH. Archive data included:
 - the map of Glynllifon Demesne with schedule of lands (1751);
 - the Glynllifon Demesne and Penbryn Bwlan map (1790);
 - the map of park and demesne lands at Glynllifon (1824);
 - Map of Glynllifon Demesne in the parish of Llandwrog (1828-1840); and
 - the Llandwrog Parish Tithe map and schedule (1849), as well as Glynllifon Estate maps.
- Light Detection and Ranging (LiDAR) data was examined from the Lle Geo-Portal at [Lle - LiDAR Composite Dataset \(gov.wales\)](#) for information on potential surface features using digital terrain modelling and digital surface modelling maps (1m and 2m resolutions are currently available via this portal).

All identified features have been mapped, described and added to a gazetteer of sites and the relative importance of any sites defined.

2.2 Walkover Survey

A walkover survey was undertaken of the assessment study areas outlined in Figure 01 on the 15th September 2022. The aim of the assessment was to visit and record known archaeological assets, including any relevant statutory and non-statutory designations (including Scheduled Monument(s), Listed Buildings, PRNs and NPRNs), potential assets identified from aerial photography and LiDAR. The assets were mapped and located in advance as part of the desk-based assessment, using a combination of historic and GIS based data; this information was then used to geo-locate features, which were then located and described on GAT pro-formas. The sites have been added a gazetteer and their relative importance defined. Any newly identified assets have also been recorded.

A photographic record was maintained in RAW format using a digital SLR set to maximum resolution (Nikon D3000; resolution: 3,872 × 2,592 [10.2 effective megapixels]) and photographic metadata table will be completed and included in the report. Photographic images were archived in TIFF format using Adobe Photoshop; the archive numbering system comprised G2743_001 to G2743_054 ([Appendix II](#)).

2.3 Gazetteer of Features

A gazetteer has been compiled for any existing and newly identified sites, based on information sourced from the desk-top assessment and field survey; the gazetteer was prepared in the following format, to include:

Asset Number	
Site name	
PRN number	
Grid reference	
Period	
Site type	
Designation	
Assessment category	
Description	
Impact	
Recommendation	

The following categories have been used to define the assessment category of the archaeological asset:

Category A - Sites of National Importance.

Scheduled Monuments, Listed Buildings of grade II* and above, as well as those that would meet the requirements for scheduling (ancient monuments) or listing (buildings) or both. Sites that are scheduled or listed have legal protection, and it is recommended that all Category A sites remain preserved and protected *in situ*.

Category B - Sites of regional or county importance.

Grade II listed buildings and sites which would not fulfil the criteria for scheduling or listing, but which are nevertheless of particular importance within the region. Preservation *in situ* is the preferred option for Category B sites, but if damage or destruction cannot be avoided, appropriate detailed recording might be an acceptable alternative.

Category C - Sites of district or local importance.

Sites which are not of sufficient importance to justify a recommendation for preservation if threatened. Category C sites nevertheless merit adequate recording in advance of damage or destruction.

Category D - Minor and damaged sites.

Sites that are of minor importance or are so badly damaged that too little remains to justify their inclusion in a higher category. For Category D sites, rapid recording, either in advance of or during destruction, should be sufficient.

Category E - Sites needing further investigation.

Sites, the importance of which is as yet undetermined and which will require further work before they can be allocated to categories A - D are temporarily placed in this category, with specific recommendations for further evaluation.

The impact of the proposed works on any asset will be identified using the following impact criteria, defined either as *none, slight, unlikely, likely, significant, considerable or unknown* as follows:

None:

There is no construction impact on this asset.

Slight:

This has generally been used where the impact is marginal and would not by the nature of the site cause irreversible damage to the remainder of the asset, e.g. part of a trackway or field bank.

Unlikely:

This category indicates sites that fall within the band of interest but are unlikely to be directly affected. This includes sites such as standing and occupied buildings at the margins of the band of interest.

Likely:

Sites towards the edges of the study area, which may not be directly affected, but are likely to be damaged in some way by the construction activity.

Significant:

The partial removal of an asset affecting its overall integrity. Assets falling into this category may be linear features such as roads or tramways where the removal of part of the feature could make overall interpretation problematic.

Considerable:

The total removal of an asset or its partial removal which would effectively destroy the remainder of the site.

Unknown:

This is used when the location of the asset is unknown but thought to be in the vicinity of the proposed works.

2.4 Data Management Plan & Selection Strategy

As required by *Standard and Guidance for the Creation, Compilation, Transfer and Deposition of Archaeological Archives* (Chartered Institute for Archaeologists, 2020) section 3.3.1, a project specific selection strategy and data management plan has been prepared. In support of this, the Chartered Institute for Archaeologist (CIfA), have stated that it is “widely accepted that not all the records and materials collected or created during the course of an Archaeological Project require preservation in perpetuity. These records and materials constitute the Working Project Archive which will be subject to Selection, in order to establish what will be retained for long-term curation”. The aim of selection is to ensure that all the elements retained from the Working Project Archive for inclusion in the Archaeological Archive are appropriate to establish the significance of the project and support “future research, outreach, engagement, display and learning activities”. Selection should be “focused on selecting what is to be retained to support these future needs, rather than deciding what can be dispersed” and is qualified by a selection strategy, which details the project-specific selection process which has been applied to the Working Project Archive prior to its transfer into curatorial care as the Archaeological Archive.

The selection strategy for the working project archive is confirmed in [Appendix IV](#) and has taken into account:

- The aims and objectives of the project.
- The brief and/or Written Scheme of Investigation (WSI)).
- The Collecting Institution’s collection policy and/or deposition guidelines.
- Local and regional research frameworks.
- Relevant thematic or period specific research frameworks.
- The project’s Data Management Plan (DMP).
- Internal recording and reporting policies.
- Material-specific guidance documents.

The working project archive comprises the physical and digital dataset archives used to compile the project report. The physical archive has been stored in a designated project folder and the location confirmed in the Trust project database; the digital dataset has been stored on a dedicated Trust server, with the location confirmed in the Trust project database via a specific

hyperlink. The following dissemination and archiving of the report and digital dataset has been applied:

- Digital reports provided to the client and GAPS (draft report then final report);
- Digital report and dataset to the regional Historic Environment Record, submitted in accordance with the required standards set out in *Guidance for the Submission of Data to the Welsh Historic Environment Records (HERs)* (Version 1.1); and]
- A digital report and digital archive dataset provided to Royal Commission on Ancient and Historical Monuments Wales in accordance with *RCAHMW Guidelines for Digital Archives Version 1*. The dataset includes:
 - Photographic metadata (Microsoft Access);
 - Photographic archive (TIFF format);
 - Project Information form (Excel);
 - File Information form (Excel) – Microsoft Word report text final;
 - File Information form (Excel) – Photographic metadata (general);
 - File Information form (Excel) – Adobe PDF report final; and
 - File Information form (Excel) - Photographic metadata (detail).

3 RESULTS

3.1 Desk Based Assessment

3.1.1 Location & Geological Summary

Glynllifon is a mansion house with extensive parkland and pleasure grounds. It lies on the coastal plain between the western foothills of the Snowdonia massif and Caernarfon Bay. The Afon Llifon, which runs through the estate, starts from below the slopes of Moel Tryfan, winds across the coastal plain and enters the sea about 2.5km south-west of Glynllifon. Glynllifon lies on Lower Cambrian slates, conglomerates and sandstones. To the south the Cambrian slate belt, runs through the Nantlle Valley (Roberts 1979). Glacial drift overlies the bedrock, with soils consisting of Typical Brown Earths of the Wick 1 Association (Soil Survey of England and Wales 1980).

The proposed dairy farm and shed is located at NGR SH45905552, to the east of the house, and is currently a substantial farm complex, with both historic and modern elements. The proposed Sheep Farm and Centre, located at NGR SH46045495 is adjacent to Fort Williamsburg, an 18th century fort, and a 19th century pheasantry to the south east. They are both located within the historic Parc Glynllifon.

3.1.2 Statutory & Non-Statutory Designations

There are 238 statutory archaeological assets and non-statutory archaeological assets located within a 1km search area centred on the two proposed developments (cf. Figures 15 and 16 and [Appendix III](#)). For the purposes of the assessment, all identified assets have been assigned a number; this includes all statutory and non-statutory designations identified in the regional Historic Environment Record and National Monuments Record, as well as any new assets identified as part of the assessment/walkover survey.

- Glynllifon is registered by Cadw as a park of special historic interest, with Grade I listing (register number PGW (Gd) 39 (GWY) (Cadw 1998a, 206) defined as ‘parks and gardens which by reason of their historic layout, features and architectural ornaments considered together make them of exceptional interest’ (Cadw 1998, xiii).
- Cadw states (<http://www.cadw.wales.gov.uk/default.asp?id=109>) that Grade I parks and gardens are of international importance. Within the park the house is a grade I listed building, the stables, Grand Lodge and Fort Williamsburg are grade II*. In total, there are 113 listed buildings within the assessment area (cf. [Appendix III](#)).
- The assessment area includes the Glynllifon and Llandwrog Conservation Areas and the Nantlle Valley Historic Landscape of Wales (Ref number HLW (Gw) 9 HLCA 36: Cadw 1998, 104) registered for its prehistoric settlements and industrial heritage.
- There are two scheduled monuments within the assessment area: Cn 356 - Standing Stone, Glynllifon (NGR SH45775557) and Cn 373 - Standing Stone, Penbryn Mawr (NGR SH45985388).
- There are 237 non-statutory designations listed in the regional Historic Environment Record and National Monuments Record, many of which correlate with statutory designations; the only statutory designation not afforded non-statutory designation is the Grade II* outer defensive wall to Fort Williamsburg (ref.: 20467; NGR SH46075502).

3.1.3 Historical & Archaeological Background

3.1.3.1 Introduction

Glynllifon lies within the parish of Llandwrog, in the historic cantref (hundred) of Uwch Gwyrfai, and the former cwmwd (commote) of Arfon, in the old county of Caernarvonshire (Carr 1977, 71). The mansion of Glynllifon itself is listed in the Royal Commission Inventory (1960) as one of the principle monuments in this parish, but finds and upstanding remains suggest the area was occupied throughout much of the prehistoric and historic periods.

The parish of Llandwrog was described in the Gazetteer of Great Britain and Ireland of 1868 as 'a parish in the hundred of Uwch-Gorfai, county Carnarvon, 4 miles S.W. of Carnarvon, its post town, and 14 from Nevin. It is situated near the northern extremity of Carnarvon Bay, and includes the villages of Bethesda [bach] and Tylon. The neighbourhood yields copper and slate. A large number of the people are employed in the slate quarries, from whence there is a tram-road to Carnarvon. Edward I is said to have once made a stay here. The living is a rectory* in the diocese of Bangor, value £314, in the patronage of the Bishop of Llandaff. There is also the district church of St. Thomas. The parish church, dedicated to St. Twrog, has recently been restored. Here is an hospital, or almshouse, founded by Mrs. Glynne, for the reception of twelve ladies of reduced circumstances, and endowed with property producing £200 per annum. There are other charities amounting to about £18. The Roman road Sarn Helen passed through this district, and overlooking the sea is Dinas Dinlle, a strongly fortified camp with a double range of escarpments, said to have been connected with Segontium. Lord Newborough is lord of the manor, and sole proprietor'.

3.1.3.2 Prehistoric

There was clearly prehistoric activity in this area, although most surviving sites are concentrated on the uplands to the east of Glynllifon. A Neolithic burial chamber (PRN 101) lies about 7.5 km to the south-west, near the coast at Bach-wen. It appears that the estate wanted its own burial chamber as a small cromlech stands in the Park but this appears to be of 18th or 19th century date (RCAHMW 1960, 187). The cromlech is listed (grade II, listed building number 20497) and the listing records that although there is a tradition that this structure was built by the Second Lord Newborough before 1832, as a mock druidical altar, it is more likely to be the work of F G Wynn in about 1900. A standing stone (NPRN 309,943; PRN 12,904; SM C356) probably dating to the Bronze Age but only first depicted on the 1918 third edition county ordinance survey map, stands approximately 2m in height, 0.8m in thickness, and 0.7m in width to the immediate west of the Glynllifon farmstead and due northeast of the study area.

The standing stone of Maen Llwyd (PRN 1313), further south in the Park, near the drive to Plas Newydd, is genuine and impressive as it stands about 3m high. A mid Bronze Age food vessel was found near its base and the stone was probably erected in the Bronze Age. Another stone (PRN 2265), 1.7m high, stands near Bodfan over 1km west of Glynllifon (RCAHMW 1960, 198) and this is also probably Bronze Age but a smaller stone (PRN 5529) standing within the current study area is much more doubtful and will be discussed below. A burial urn was found in a mound on a hilltop near Benallt, Bethesda Bach (PRN 596) and another cairn on the lower slopes of Mynydd Cilgwyn (PRN 1387) also produced pottery that was taken to Glynllifon but has since been lost (RCAHMW 1960, 198). The Inventory lists two Bronze Age burnt mounds on the hill slope nearby (PRN 1388 and 1389) (RCAHMW 1960, 198) and others have been found in the area since (PRNs 2350, 2341 and 2342). Two axe-hammers of probable Bronze Age date were found in the Glynllifon Park (PRNs 5768 and 5769) (RCAHMW 1960, xliii, xlv) as well as a stone with a hole in it of unknown date (RCAHMW 1960, xlv, xlv). About a kilometre west of Glynllifon a loopless bronze palstave (PRN 2267) of Bronze Age date was found near Rhos-Maelan (RCAHMW 1960, liii).

There was considerable settlement in the Iron Age in this area. The known roundhouse settlements survive on the edge of the uplands around Mynydd Cilgwyn and up the Nantlle Valley (RCAHMW 1960, 190-197), but this distribution is largely due to differential survival. Settlements probably existed on the lowlands but their remains have been removed by more intensive agriculture. The recovery of the lower stone of a rotary quern (PRN 2286) of probable Iron Age date from near Glynllifon supports this (RCAHMW 1960, lviii).

The major Iron Age site in the area is Dinas Dinlle (PRN 1570); a hillfort is built on an isolated hill near the sea. The fort was defended by two earth ramparts, but coastal erosion has caused much of the site to be lost. The interior contains traces of circular huts, further evidence of which has been revealed in recent excavations (McGuinness *pers. comm.*) and there may be a Bronze Age barrow in one corner. Occupation of the site extended into the Roman period as finds include a ring with an intaglio of victory, coins of Gallienus, the Tetrice, Carausius and Allectus and a fragment of black ware indicating occupation in the 2nd and 3rd centuries AD (RCAHMW 1960, 190).

3.1.3.3 Roman

There must have been considerable Roman influence in this area only about 7.5km south of the fort of Segontium in Caernarfon, but the known archaeological evidence is slight. As well as occupation at Dinas Dinlle continuing into the Roman period it probably also continued on many of the roundhouse settlements in the area but Roman military sites are not common near Glynllifon. Recently completed excavations at the hillfort at Dinas Dinlle have cast new light on Roman period activity in the area (McGuinness *pers. comm.*). It has been suggested that the modern A499 running immediately west of Glynllifon follows the line of a Roman road but this has not yet been proven (Hopewell 2007, 24). The Roman road from Caernarfon to Pen Llystyn must have passed just to the east of the estate. Two lines have been proposed, one to each side of Groeslon, but the exact route in this area is not known (Hopewell 2007, map 28). There is a supposed Roman signal station (PRN 5572) south of Llanllyfni but the HER gives no information about this. Slate may have been quarried in the Nantlle Valley in the Roman period and used to roof the fort of Segontium (Cadw 1998b, 102). As well as the Roman coins found in Dinas Dinlle coins of the Tetraci (AD 270-3) were found at Llwyn y Gwalch, near Dolydd (PRN 1457).

3.1.3.4 Medieval

Evidence of medieval settlement in the area is slender, although there is no reason to suppose it was not well settled. There is a medieval township recorded at Dinlle (PRN 7325) and some of the field systems on the hills are probably of medieval date (e.g. PRN 4362), although only one long hut of medieval style has been recorded (PRN 6734) (RCAHMW 1960, 197). The Drws y Coed Copper Mine (PRN 20535) in the Nantlle Valley is believed to have been worked in the thirteenth century. Ffynnon Edliw (PRN 2266) is a holy well situated about 270m west of the gates of Glynllifon. A spring has been enclosed with masonry to form a pool, but its date is not known (RCAHMW 1960, 198).

Although the present church at Llandwrog is modern, erected in 1860 (RCAHMW 1960, 182), it replaced a medieval church demolished in 1858 (PRN 6966) and described by Hyde Hall in the early 19th century (Hyde Hall 1952, 213). The circular churchyard and dedication to Saint Twrog suggests an early medieval foundation. Twrog was one of the 'Celtic' saints associated with Saint Beuno (Bowen 1977, 61).

The 1751 estate map (Gwynedd RO, XD2A/1580) marks a house near what is now the main gate as 'Bettws house and garden', this has an adjacent cowshed (beudy) and yard (buarth) and a nearby field is called Cae Tan y Bettws. The Bettws name is then applied to the woodland that covered part of the development area and the name appears on OS maps through to the present day. 'Betws' is a loan word from the Old English 'bed-hus' meaning an oratory. It is a common place name in Wales and first occurs at the beginning of the 13th century (Roberts 1992, 44). The name is suggestive of a chapel in this location, of which nothing but the name remained by the 18th century. On the 1790 estate map (National Library Ms Maps vol. 95 094/8/2) the house was still there but the name is applied to a farm to the south, so there must be some doubt about the exact location of the chapel site. Wherever it was located it would have lain next to one of the principle medieval routes from Caernarfon to Nefyn or Pwllheli (Williams-Jones 1977a, 78), along which, in 1284, Edward I marched to a tournament held at Nefyn to celebrate his conquest of Wales (Williams-Jones 1977b, 82, 84).

3.1.3.5 Post-Medieval

Glynllifon was the seat of one of the most important families in Caernarvonshire; the Glyns of Glynllifon, who, like many of the *uchelwyr* families, took their name from their seat (Parry 1977, 97). The line of Glynllifon claimed descent from the 9th century hero Cilmin Droed-ddu, but the earliest historically attested member of the family was Tudur Goch in the 14th century (National Library: Dictionary of Welsh Biography (online)). Hwlcyn Lloyd, another ancestor of the Glyns died defending Caernarfon Castle against an attack by Owain Glyndŵr's forces in 1403 (Williams-Jones 1977c, 93). As *uchelwyr*, minor nobility and large landowners, the Glyns held important posts such as archdeacon of Bangor and Justice of the Peace (Parry 1977, 97; Williams-Jones 1977d, 101). The estate passed into the hands of the Wynn family of Bodfaen in about 1700 when Frances Glynne, the heiress of the estate married Thomas Wynn (RCAHMW 1960, 185). The Wynn family represented the Borough of Nefyn in parliament for much of the period between 1713 and 1790 (exhibition in Glanrafon Mill, Glynllifon). In 1776 Sir Thomas Wynn was awarded a peerage and was made the first Lord Newborough. The peerage was granted in recognition of his military efforts including building Forts Belan and Williamsburg, the latter within Glynllifon Park (Gwynedd Council (on-line)).

Such an important family needed a house and estate to match their reputation. There are known to have been at least four houses on the site of the present mansion. An existing house was rebuilt in c.1600 by Sir William Glynne, and in 1751 another house was added on to this. The 18th century house was built in brick and destroyed by fire in 1836. Between 1836 and 1848 the house was entirely rebuilt in stone in the Renaissance style, and in 1890 this house was considerably extended (RCAHMW 1960, 186). A stable block built in 1849 is now used by the agricultural college, and a yard to the north-west of the stables was surrounded by buildings supplying a variety of services including gas works, tannery, smithy, cart sheds and slate mill (Cadw 1998, 207). The water mill to the south-west of the house is shown on maps from the 1820s (Cadw 1998, 207). The mill went out of use by 1900 but in 1915 a powerhouse was built on the back of it with a turbine driven by the water to generate electricity (exhibition in Glanrafon Mill, Glynllifon).

The park in which the house stands is likely to have been originally laid out in the middle of the 18th century at roughly the same time as the 1751 house was built (Cadw 1998, 209; cf. Figure 06). The park is surrounded by a substantial stone wall (PRN 11,262 built in the early 19th century by the second Lord Newborough (RCAHMW 1960, 187). There are five lodges at entrances through the wall, the most impressive being the Grand Lodge (PRN 12,575; NPRN 31,379; Listed building no. 20478) at the main western entrance to the estate.

The first Lord Newborough built a lodge at the west gate, possibly in the 1790s (Cadw 1998, 209), but this seems to have been on a slightly different site to the present Grand Lodge. The 1790 estate map shows a double structure marking the gateway (cf. Figure 07); however, this is to the east of the present lodge. An estate map of 1824 (Gwynedd RO XD2A/857; cf. Figure 08) shows a single small building just to the north of the site of the present entrance but no lodges. The map of 1828 (Gwynedd RO XD2A/858; cf. Figure 09) shows the present double structure in the current position with the entrance area in its current layout. The evidence is further confused by the tithe map that shows a single building to the south side of the drive (Figure 10). It appears from the map evidence that the first Lord Newborough built a double gateway structure but that this was demolished and the gate relocated as new driveways were built. The 1828 map has had additions made to it and if the tithe map can be trusted this suggests that the lodge was one of these additions and that it was not constructed until after 1849. The listed building record comments that the Classical detail of the present lodges and linking archway suggest that it is contemporary with the house built in the 1840s, with remodelling about 1900. The lion on top of the archway originally stood on the stable block and was moved in the late 19th century (Cadw 1998, 208).

The main road, the current A499, has had a slightly confused history. In 1751 it ran to the east of the present line but the 1824 map shows an added curve taking it west of farm buildings on the Llandwrog road. The remains of the straight road are indicated but it leads nowhere. The road was back on its present line by 1828.

There were numerous woodlands throughout the park. Hyde Hall (1952, 213) writing in the early 19th century describes Glynllifon as surrounded by 'fine wood and plantation'. There were also various ponds and reservoirs. Much of the Afon Llifon where it flows through the park was canalised and pleasure grounds were created on its banks. The pleasure grounds have Italianate water features, a hermitage, which for a short time had a resident hermit, and other follies (Cadw 1998, 210). Several drives ran through the park with bridges where they crossed the Afon Llifon. The routes of these drives altered as the layout of the park was changed. There were three walled kitchen gardens with several glasshouses (Cadw 1998, 215).

Fort Williamsburg (PRN 954) was built within the park in about 1761. The fort is stone-built and is roughly rectangular with angle bastions. The stone-built fort lies in open parkland to the south-east of the house, about 500m away. It is square in plan with angle bastions, and in one of the corners there is a tower, painted white. In 1918 there was an open vista through the trees which would have given a view of it from the house, with Snowdonia behind, but this has now grown over. The fort was built in 1761, with additions in 1773-76; further

additions which must have been made between 1832 and 1840 are indicated on the map of Glynllifon Demesne (Figure 09). It is defended by ditches on the outside, and there are gates on three sides, that on the north having an ornamental gatehouse, with a pebble floor laid in geometric patterns incorporating medallions with hearts and flowers. There is a bridge over the ditch at this gate, as also on the east. The south-east corner contains a square headquarters building and barracks, also known as the 'summer pavilion' (Cadw 1998, 209), and along the south side is a row of rather grand kennels. The plans for these are extant, but undated. In the north-west corner is the hexagonal castellated tower, reached by a short underground passage. This is thought to be the latest building on the site. It shows up well from many parts of the park, and beyond.

The fort was armed and garrisoned and could have been defended if the need had ever arisen. However, the position was clearly chosen not for defence but because it has some of the best views in the park, to Yr Eifl one way and Snowdon the other. The whole enterprise was chiefly intended for the amusement of the 1st Lord Newborough, his family and guests, the fort providing a focus for recreation in the park (RCAHMMW 1960, 187-188), unlike his entirely serious coastal defence fort at Fort Belan, 6km away on the coast at Y Foryd (Haslam *et al.* 2009, 429). There was a pheasantry built immediately to the south of the fort, although this is significantly later, but 19th century in date (Asset 239). It is shown on the 2nd edition County Series 25-inch Ordnance Survey map of 1900, but not on the 1st edition on of 1889, the current building is likely to date from between these dates (Figures 12 and 11 respectively). Farm buildings have been sited very close on this side of the fort in the 20th century. Aerial photographs indicate that a good proportion of this took place between the 1960s and 1985.

In 1948 the estate was sold to a timber merchant and in 1954 the house and park were sold to Caernarvonshire County Council and the buildings later transferred to Coleg Meirion-Dwyfor (Cadw 1998, 210). The house is presently in separate ownership.

The dairy farm development area lies to the east of the Glynllifon mansion but to the west of the Afon Llifon, and the sheep farm to the southeast of it. Only one building (in plot 667) is shown on the tithe map of 1849 in the dairy farm area and a structure in the vicinity of the pheasantry (in plot 676) can be seen in the sheep farm (Figure 10). Throughout the 19th century the land to the south and east of the main drive and the house was open park land, but in the 18th century there was a walled garden and a formal area of woodland with radiating paths to the south of the river. By 1790 most of the trees near the river had been cleared. The main driveway had been straightened by 1790 but is shown as curving to the

north in 1824. Most of the drives around the study area reached their current form by 1828 but the main drive was not on its current alignment until 1900.

3.1.3.6 Previous Archaeological Work

GAT has undertaken previous archaeological assessment and investigation within the Glynlifon Estate, including the following under GAT project code G2092:

- GAT report 826: an archaeological assessment was undertaken in 2009 on a proposed development site alongside the A496 road and c.600m southwest of the dairy farm site and c.700m west of the sheep shed site. The assessment identified a series of estate land earthworks that included an artificial pond, drainage and possible pathways that weren't shown on any of the available historical mapping; known features relating to the estate, including a driveway, two listed bridges features, paddocks and the estate perimeter wall were also identified. Recommendations were made for further archaeological works to evaluate the possible earthworks and to mitigate the impact of the development on known features;
- GAT report 827: an archaeological assessment was undertaken in 2009 on a proposed development site located to the immediate north of the proposed dairy farm. The assessment identified several features in close proximity to the development area, including three small quarries, a small conifer plantation, a drain, a revetted pathway, bridge and boat house. The standing stone of probable Bronze Age origin was identified as being in close proximity;
- GAT report 830: an archaeological watching brief was undertaken in 2009 during geotechnical investigations at the development site located to the immediate north of the proposed dairy farm. A total of five test pits and four soakaways were opened across the site with the intention of identifying the depth of the bedrock and differentiating the layers of strata extant between the topsoil and the bedrock. The watching brief identified: a possible stone filled drain of post-medieval date within one of the test pits;
- GAT report 834: the previous archaeological assessment on the proposed development site located to the immediate north of the proposed dairy farm was revised to include the results from the watching brief. Based on the results of the archaeological assessment and the watching brief during the geotechnical works, recommendations are made for a pre-determination geophysical survey of the development area;
- GAT report 867: a geophysical survey was undertaken in 2010, further to the recommendations in report 834. The survey detected a series of field boundaries,

each consisting of a bank with ditches to either side. The boundaries enclosed a system of irregular fields and an intersection of boundaries towards the east of the survey suggesting two phases of enclosure were present. Some of the boundaries were shown on the 1751 Glynllifon estate map, but many had been removed by this date. The report concluded that it seemed likely the estate map showed the fields during a period of land improvement with smaller irregular fields being replaced by larger regular fields or open parkland. By 1824 all of the boundaries had been removed and the area was open parkland containing small stands of trees (Map of park and demesne lands at Glynllifon: Gwynedd Record Office XD2A/857). Other less definite features detected by the survey consisted of faint traces of other boundaries, a group of possible pits (perhaps indicating a parkland feature), features around a former boundary close to the current farm buildings and a scatter of small anomalies that could be interpreted as pits or natural features. The interpretation of these less definite features was seen as provisional. Further investigation by trial excavation was recommended in order to allow better interpretation; and

- GAT report 907 in 2010, an archaeological evaluation of the area surveyed in report 867 was undertaken in advance of development works an archaeological evaluation was comprising twelve trenches. The trenches identified a former copse of trees and field boundaries that indicated a pattern of former land use with smaller fields and hedgerows present, supporting the results of report 867 and the Glynllifon estate map of 1751. A variety of field drains were identified, of both stone lined and ceramic pipe type, reflecting land improvement between the 18th century and 20th century. During development works an archaeological watching brief was completed within the development plot; this revealed little new archaeological information, but further evidence for the field drains were identified.

The area encompassed by GAT Reports 827, 830, 834, 867 and 907 was subsequently developed into a learning centre for the college.

3.1.4 Artefact potential

The potential recovery of prehistoric to medieval artefacts on the sites themselves is thought to be low, as the study area have already undergone significant developments, and anything recovered is likely to be out of its archaeological context. There is significant evidence for prehistoric, Roman and medieval activity in the wider area so in undisturbed areas the potential for the recovery of artefacts from these areas is considered to be **low to moderate**. The study areas have been intensively occupied in post-medieval times as part of the Glynllifon demesne and park, so the potential for the recovery of artefacts from more recent times is **moderate to high**

3.1.5 Ecofact potential

The scheme is located generally within areas of 19th-20th century farm development, and improved agricultural land is adjacent. The potential for significant peat or deposits containing plant macrofossil ecofacts is therefore considered to be **low**. However they could be encountered in any significant stratified archaeological deposits that were encountered.

3.1.6 *Aerial Photographs*

The following fourteen (14) aerial photographs were sourced the Central Registry of Aerial Photography, Welsh Government, Cardiff and the following were examined:

- RAF sortie 4206 M2324 frame 20 **1942**
- RAF sortie 4204 M2413 RAF HLA 578 **1942**
- 4607 RAF 3G TUD UK 193 Frame 6070 **1946** (Figure 13)
- 4707 RAF CPE UK 1939 Frames 3098-3100, 6066-4068 **1947**
- 5050 540 RAF 359 Frames 5200-1 Infra-Red **1950**
- 7040 OS 70 006 Infra-Red Frame 028 **1970**
- 7040 OS 73 020 Frames 095-6, 112-113 **1973**
- 8512 RAF 1 PRU 0740 Frame 205 **1985**
- 11978 MAL 15-78 Frames 220-1

Minimal additional features were identified in the dairy farm and sheep areas that had not previously been identified on the cartographic and other sources. What did become apparent from these images was that of the farm expansion around the two areas that developed between the 1960s and 1985. In the 1946 image (Figure 13), the dairy farm area is shown in its historic, essentially 19th century Home Farm form, and only the pheasantry and Fort Williamsburg is visible in the sheep farm area. This remains essentially the case in 1970 around Fort Williamsburg, but there had been some expansion of the dairy farm area, with a large new shed noted, and other improvements. The 1985 AP shows further farm development around the sheep farm area.

3.1.7 *LiDAR*

Light Detection and Ranging (LiDAR) data was examined from the Lle Geo-Portal at <http://lle.gov.wales/home> for information on potential surface features using digital terrain modelling (DTM) and digital surface modelling (DSM).

The 1m DTM composite dataset for SH4555 was examined (cf. Figure 14) but no additional sub-surface features were identifiable.

3.2 Walkover Survey

3.2.1 Introduction

The walkover survey was undertaken on 15th September 2022, on an overcast and dry day. Given the high number of known assets within the 1km radius of the proposed development for Sheep Farm and Dairy sheds at Glynllifon, the walkover survey was limited to assessing the known archaeological and potential archaeological features within the confines of the proposed area for development.

The walkover was conducted at Glynllifon College Farmyard during the morning which included visits to listed farm buildings PRN 11, 362 and 68,979 - 68, 979 and a scheduled Bronze Age Standing Stone PRN 12, 904 (Assets 1 – 10). This also included a visit to the sluices and barns proposed to be demolished (Assets 240 – 243), alongside the surrounding fields north and north-east of the development area for proposed Dairy Sheds.

During the afternoon, the walkover assessment was conducted in the development area for the sheep farm south of Fort Williamsburg. This comprised of a visit to the buildings proposed to be demolished; two sheep barns (Assets 224 and 246) alongside a building noted on the 19th century OS maps identified as the Pheasentry (Asset 239). The eastern field adjacent the proposed development was also viewed to assess the presence of upstanding archaeological features.

3.2.2 Dairy Farm and Sheds

The development area for the proposed Dairy farm and shed within Gyllifon college Farmyard had the most known assets, mostly comprising of grade II listed 19th century farm buildings and a scheduled monument, of Bronze Age standing stone.

One area of keen archaeological interest for the assessment was defining the confines the scheduled bronze age standing stone monument, PRN 12,904 (Asset 10) and the larger iron-built slurry tank (Asset 242) intended for demolition. Upon observation the standing stone is stood 1.83m high from ground level, 0.6m width and breadth, and is immediately adjacent at the north-west from the slurry tank by 0.66m – 0.72m. There is wire fencing running alongside the standing stone at a North to West axis, and a redundant iron gate post fitting was noted with in the NW face of the stone (Plates 16 - 18).

Nearby the slurry tank (Asset 242), 19th century stone and brick walling were noted lying roughly 4-5m NE from the tank. These previously belonged to a linear early 20th century farm building (appearing in OS maps from 1900 – 1940), which has now been partially demolished and the walls adapted into a form of boundary at NW end of Gyllifon College Farmyard (Plate 11 - 12).

The Grade II listed 19th century farm buildings within Glynllifon College farmyard are located at the western edge within the proposed development area. The buildings visited were:

- Asset 1: Ranges PRN 68,985 (Plate 1 & 6).
- Asset 2: Former farm office PRN 68, 984 (Plate 2).
- Asset 3: Cart sheds PRN 68,986 (Plate 3 & 6).
- Asset 4: Parallel barns PRN 68,987 (Plate 4 & 5).
- Asset 5: North range PRN 68,983 (Plate 7 & 5).
- Asset 6: Barn PRN 11,362 (Plate 9 & 10).
- Asset 7: Parallel ranges PRN 68,982 (Plate 13, 14 & 27).
- Asset 8: L-shaped range PRN 68,981 (Plate 15).
- Asset 17: Former cowhouse PRN 68,980 (Plate 19).
- Asset 18: Dovecote and ranges PRN 68,979 (Plates 20 – 26).

The dovecote, its associated ranges, and former cart sheds are the closest listed buildings to the proximity to the current slurry tank (asset 242) and barns (Assets 240 and 243) which are intended to be demolished (Plate 28 - 31).

During the assessment of the dovecote, it was noted that it is in very good state of preservation with the slate constructed pigeonholes still intact on the lower and upper levels of the building (Plates 24 & 25). The ranges attached to the NE and SW end of the dovecote are no longer roofed, but with the original lime plastering still intact on interior face. One very interesting feature to note, was the presence of 19th/early 20th century graffiti of geese drawn inside one of the ranges on the NE gable end of the dovecote (Plates 21 & 22).

The surrounding fields at the north and eastern edge of the development were assessed, was noted that the sloping eastern edges had 19th century stone walling along the boundary of Glynllifon park and woodlands. It was difficult to ascertain if there were any visible potential archaeological groundworks in the field at the eastern end of the development area as the area was very overgrown with thistle and nettles.

The field located at north-eastern edge of the development is sub-rectangular, undulating field of improved pasture, sloping towards the eastern boundary edge of the parklands. It had no visible archaeology at ground level. Along its southern boundary edge, surrounding the circular cow pen, the area is rewilded therefore any potential archaeology here would not be visible.

The north-western fields containing Assets 11-16 (PRN 97,032 – 54) were not surveyed as these fields had already been previously excavated during an archaeological evaluation conducted by GAT in 2009. The results of the investigation in this area concluded to be former field boundaries, some pits, and natural features.

3.2.3 *Sheep Farm*

The proposed development for the Sheep farm lies directly south of Fort Williamsburg folly, which comprises of various Grade II* listed military buildings, which aren't within the development area. During the walkover the known assets within the development area were visited which mostly comprised of the current sheep sheds which are later to be demolished along with a 19th century building known as the pheasentry.

Part of the northern perimeter of the development is in line with the outer boundary wall of the fort, (Asset 199) listed as Grade II*, LB 20,497. It is located at the entrance of the sheep farm along the track road (Platse 32 & 33). Nearby which is the approximate location for Asset 200 which is noted as a find spot for the Axe Hammer PRN 5,768 (Plate 34).

The current sheds which are proposed to be demolished are constructed of a brick, breeze block and wooden planks, all of which are roofed with corrugated iron. The brick constructed lambing shed (Asset 245) appears to be mid 20th century in date, whereas the larger sheep (Asset 244) sheds are contemporary with those at the dairy farm, which roughly late 20th century (Plates 35 & 44).

The 19th century pheasentry building (Asset 239), visible on the Welsh Tithe Maps dated from 1832 and onwards, is also intended to be demolished for the development for the proposed Sheep farm. Following a surveyed assessment, the former pheasentry appears to currently be a mixed construction with the original 19th stone walling still intact on the NE length and SE end of the building (Plate 38), and mid 20th brickwork along part of the SW facing length of the building (Plate 40). From the NW gable end of the building, you can see a fracture between where the two building materials are starting to separate (Plate 36).

It was also noted within the ground of the yard, a slate kerb visibly lying directly in line with the 19th century building, likely to have been an adjoining feature associated with the pheasentry (Plate 43). Along the NE length of the pheasentry the original door, with iron bolt embellishment and ornate handle is still intact (Plate 39). At the rear of the building, it appears to have two smaller rooms where they may have served as a form of accommodation (Plate 41). The original lime plastering is still intact along with an alcove for a probable fire range a SE gable end (Plate 42). Unfortunately, was unable to gain access for further assessment as the area was overgrown with black berry bushes, and the doorway to one of the smaller rooms was sealed.

The adjoining field at south-eastern end of the development was also visited during the assessment. This is a sub-rectangular, sloping field with a curbed south westerly edge, with various boundaries of stone walling, hedges and wire fencing. At the eastern corner of the

development perimeters a small earthen mound was noted (Asset 246), possibly a clearance cairn associated with agricultural activity at Glynllifon (Plate 45). Nearby on the track, to the entrance of adjoining field a stone with a circular indentation was noted, probably associated with a gate bolt from former boundary entrance. Along the western boundary a relict dry-stone wall was noted between the field and the pond area within the footprint of the development (Plate 46).

3.3 Gazetteer of Assets

3.3.1 Introduction

The gazetteer of assets has been prepared using information sourced from the regional Historic Environment Record and the walkover survey. This gazetteer includes selected archaeological assets identified within the 1km search area that are located within the two proposed development areas and include existing statutory and non-statutory designations, as well as assets identified during the walkover survey. For the location of individual assets, cf. Figures 15 and 16; for a full list of all assets within the 1km search area, cf. [Appendix III](#).

For ease of reference, the gazetteer has been sub-divided into assets within the proposed dairy shed development and separately into assets within the proposed sheep farm development.

3.3.2 Dairy Sheds

Asset Number	01
Site name	Ranges, College Farm, Glynllifon
PRN number	68985
Grid reference	SH4588155560
Period	Post-medieval
Site type	Building
Designation	Listed Building 20488 Grade II
Assessment category	B
Description	Probable mid-19th century parallel ranges.
Impact	Unlikely
Recommendation	None

Asset Number	02
Site name	Farm Office, Former, College Farm, Glynllifon
PRN number	68984
Grid reference	SH4586955562
Period	Post-medieval
Site type	Office
Designation	Listed Building 20487 Grade II
Assessment category	B
Description	A probable mid-19th century former farm office.
Impact	Unlikely
Recommendation	None

Asset Number	03
Site name	Cartsheds, College Farm, Glynllifon
PRN number	68986
Grid reference	SH4587755537
Period	Post-medieval
Site type	Cart Shed; Farm Building
Designation	Listed Building 20489 Grade II
Assessment category	B
Description	A probable mid-19th century former farm office.
Impact	Unlikely
Recommendation	None

Asset Number	04
Site name	Barns, College Farm, Glynllifon
PRN number	68987
Grid reference	SH4585555535
Period	Post-medieval
Site type	Hay Barn
Designation	Listed Building 20491 Grade II
Assessment category	B
Description	Probable 19th century parallel barns.
Impact	Unlikely
Recommendation	None

Asset Number	05
Site name	North Range, College Farm, Glynllifon
PRN number	68983
Grid reference	SH4583555564
Period	Post-medieval
Site type	Farm Building
Designation	Listed Building 20486 Grade II
Assessment category	B
Description	A probable mid-19th century range.
Impact	Unlikely
Recommendation	None

Asset Number	06
Site name	Barn, College Farm, Glynllifon
PRN number	11362
Grid reference	SH4583455538
Period	Post-medieval
Site type	Farm
Designation	Listed Building 20493 Grade II
Assessment category	B
Description	Grade II Listed Tall Barn at College Farm. Dated to possibly 1852 though may be older. Included with other buildings in group value at College Farm.
Impact	Unlikely
Recommendation	None

Asset Number	07
Site name	Ranges, College Farm, Glynllifon
PRN number	68982
Grid reference	SH4581355548
Period	Post-medieval
Site type	Farm Building
Designation	Listed Building 20494 Grade II
Assessment category	B
Description	Probable mid-19th century parallel ranges with arched entrance
Impact	Unlikely
Recommendation	None

Asset Number	08
Site name	Range, College Farm, Glynllifon
PRN number	68981
Grid reference	SH4580755529
Period	Post-medieval
Site type	Farm Building
Designation	Listed Building 20494 Grade II
Assessment category	B
Description	A probable mid-19 th L-shaped century range.
Impact	Unlikely
Recommendation	None

Asset Number	10
Site name	Standing Stone, Glynllifon
PRN number	12904
Grid reference	SH4577155574
Period	Bronze Age
Site type	Standing Stone
Designation	Scheduled Monument CN356
Assessment category	A
Description	Bronze Age standing stone stood 1.8m from ground level, with breadth and depth of 0.6m. A former iron gate post fitting is visible on NW face.
Impact	Unlikely
Recommendation	Watching brief during demolition and any ground works as standing stone is stood 0.66 – 0.72m from Slurry Tank.

Asset Number	11
Site name	Tree Boles / Pits, Glynllifon
PRN number	97041
Grid reference	SH4585155599
Period	Post Medieval
Site type	Pit
Designation	Within Registered Parks & Gardens PGW (Gd) 39 (GWY)
Assessment category	E
Description	Tree boles & pits associated with a field boundary identified during a geophysical survey.
Impact	None/Unlikely
Recommendation	None

Asset Number	12
Site name	Field Boundary, Possible, Glynllifon
PRN number	97040
Grid reference	SH4585355609
Period	Post Medieval
Site type	Field Boundary
Designation	Within Registered Parks & Gardens PGW (Gd) 39 (GWY)
Assessment category	E
Description	A possible field boundary of early 18th century date identified during a geophysical survey.
Impact	None/Unlikely
Recommendation	None

Asset Number	13
Site name	Pits, Possible, Glynllifon
PRN number	97050
Grid reference	SH4585455629
Period	Unknown
Site type	Natural Feature; Pit
Designation	Within Registered Parks & Gardens PGW (Gd) 39 (GWY)
Assessment category	E
Description	Possible pits or natural features.
Impact	None/Unlikely
Recommendation	None

Asset Number	14
Site name	Field Boundary, Glynllifon
PRN number	97050
Grid reference	SH4590055614
Period	Post Medieval
Site type	Field Boundary
Designation	Within Registered Parks & Gardens PGW (Gd) 39 (GWY)
Assessment category	E
Description	An early 18th century field boundary identified via geophysical survey.
Impact	None/Unlikely
Recommendation	None

Asset Number	15
Site name	Oval Features, Glynllifon
PRN number	97054
Grid reference	SH4593255644
Period	Unknown
Site type	Archaeological Feature
Designation	Within Registered Parks & Gardens PGW (Gd) 39 (GWY)
Assessment category	E
Description	Small oval features of unknown date or origin identified via geophysical survey.
Impact	None/Unlikely
Recommendation	None

Asset Number	16
Site name	Field Boundary, Glynllifon
PRN number	97032
Grid reference	SH4591755691
Period	Post Medieval
Site type	Field Boundary
Designation	Within Registered Parks & Gardens PGW (Gd) 39 (GWY)
Assessment category	E
Description	An early 18th century field boundary identified via geophysical survey.
Impact	None/Unlikely
Recommendation	None

Asset Number	17
Site name	Cowhouse, Former, College Farm, Glynllifon
PRN number	68980
Grid reference	SH4583455506
Period	Post Medieval
Site type	Cow House
Designation	Listed Building 20492 Grade II
Assessment category	B
Description	A probable mid-19th century cowhouse.
Impact	Unlikely
Recommendation	None

Asset Number	18
Site name	Dovecote & Range, College Farm, Glynllifon
PRN number	68979
Grid reference	SH4585355502
Period	Post Medieval
Site type	Farm Building
Designation	Listed Building 20490 Grade II
Assessment category	B
Description	A 19th century dovecote & range.
Impact	None/Unlikely
Recommendation	None

Asset Number	240
Site name	Large Agricultural Barn; Glynllifon College Farm
PRN number	n/a
Grid reference	SH45935556
Period	Post-medieval
Site type	Farm Building
Assessment category	D
Description	20 th century built farm sheds
Impact	Considerable
Recommendation	Possible photographic record prior to demolition

Asset Number	241
Site name	Small Slurry Tank; Glynllifon College Farm
PRN number	n/a
Grid reference	SH45885550
Period	Post-medieval
Site type	Farm Building
Assessment category	D
Description	20 th century concrete-built slurry tank
Impact	Considerable
Recommendation	Possible photographic record prior to demolition

Asset Number	242
Site name	Large Slurry Tank; Glynllifon College Farm
PRN number	n/a
Grid reference	SH45795556
Period	Post-medieval
Site type	Farm Building
Assessment category	D
Description	20 th century iron-built slurry tank with blue exterior
Impact	Considerable
Recommendation	Possible photographic record prior to demolition

Asset Number	243
Site name	Small Agricultural Barn; Glynllifon College Farm
PRN number	n/a
Grid reference	SH45935556
Period	Post-medieval
Site type	Farm Building
Assessment category	D
Description	20 th century built farm sheds
Impact	Considerable
Recommendation	Possible photographic record prior to demolition

3.3.3 Sheep Farm

Asset Number	199
Site name	Outer Defensive Wall to Fort Williamsburg
PRN number	n/a
Grid reference	SH4607155020
Period	Post-medieval
Site type	Wall
Designation	Listed Building 20467 Grade II*
Assessment category	A
Description	Probable 18 th century outer defensive wall surrounding Fort Williamsburg
Impact	Unlikely
Recommendation	None

Asset Number	200
Site name	Axe Hammer, Findspot, Glynllifon Park
PRN number	5768
Grid reference	SH46005500
Period	Prehistoric
Site type	Findspot
Designation	Within Registered Parks & Gardens PGW (Gd) 39 (GWY)
Assessment category	C
Description	Former findspot for prehistoric Axe Hammer
Impact	Unlikely
Recommendation	Watching brief if any grounds work is conducted in area

Asset Number	239
Site name	Pheasantry
PRN number	n/a
Grid reference	SH46055501
Period	Post-medieval
Site type	Building
Assessment category	C
Description	A stone and brick-built structure originally dating to the late 19th century and previously identified as a pheasantry (Cadnant Planning, 2022. Heritage Impact Assessment 2019.076_05). A pheasantry would have been built as a facility for captive breeding and rearing pheasants and possibly other game birds. It is shown on the 2nd edition County Series 25-inch Ordnance Survey map of 1900, but not on the 1st edition on of 1889, so the origin of the current building is likely to date from between these dates. The base and initial courses of the building are constructed from irregular stone, but the majority of the elevations are built from stretcher bond brick, with concrete window lintels and a single pitch corrugated roof. The transition from stone to brick is very regular but it couldn't be determined if this was intentional as part of the original build or part of a later modification during the twentieth century.
Impact	Considerable (proposed for demolition)
Recommendation	Building recording prior to demolition.

Asset Number	244
Site name	Sheep sheds; College Farm, Glynllifon
PRN number	n/a
Grid reference	SH46045499
Period	Post-medieval
Site type	Farm Building
Assessment category	D
Description	20 th century built farm sheds
Impact	Considerable
Recommendation	Possible photographic record prior to demolition

Asset Number	245
Site name	Lambing sheds; College Farm, Glynllifon
PRN number	n/a
Grid reference	SH46045499
Period	Post-medieval
Site type	Farm Building
Assessment category	D
Description	20 th century-built farm sheds
Impact	Considerable (proposed for
Recommendation	Building record prior to demolition

Asset Number	246
Site name	Earthen mound; Glynllifon Park
PRN number	n/a
Grid reference	SH46105500
Period	Post-medieval
Site type	Agricultural and subsistence
Assessment category	C
Description	Possible small clearance cairn
Impact	Unlikely
Recommendation	Watching brief if any ground works is conducted in vicinity

Asset Number	246
Site name	Field Boundary; Glynllifon Park
PRN number	n/a
Grid reference	SH46105500
Period	Post-medieval
Site type	Agricultural and subsistence
Assessment category	C
Description	Relict possible 18 th /19 th century dry stone wall field boundary
Impact	Unlikely
Recommendation	Watching brief if any ground works are conducted in vicinity

4 CONCLUSION & RECOMMENDATIONS

4.1 Introduction

Gwynedd Archaeological Trust has been commissioned by Grŵp Llandrillo Menai to undertake an archaeological desk-based assessment at Glynllifon College Farm, Ffordd Clynnog, Llandwrog, Gwynedd in advanced of proposed agricultural developments, including a dairy farm and a sheep farm. The developments are located within areas that formerly belonged to the Glynllifon Estate, which was established by the Wynn family and developed extensively during the eighteenth and nineteenth century. The development areas are now part of Glynllifon College Farm, whilst Plas Glynllifon, is under separate ownership.

The two development sites are located towards the centre of the former Glynllifon Estate, with the dairy farm located within an existing farmyard comprising nineteenth and twentieth century agricultural buildings, whilst the sheep farm is adjacent to an 18th century fort and within a farmyard that includes a 19th century pheasantry and 20th century agricultural buildings. The assessment area was characterised by eighteenth and nineteenth former estate parkland, landscaping and structures, as well as twentieth and early twentieth-first century college infrastructure, and the variety and quantity of surviving estate activity is reflected by the large number of statutory and non-statutory designations within the assessment area. Former estate developments and improvements were evident from historic mapping and aerial photography, as well from previous archaeological evaluation and mitigation, which identified former boundaries, landscaping and drainage.

4.2 Dairy Shed

The proposed dairy farm will be located in a former estate farmyard and will replace existing agricultural infrastructure. The demolition of an existing dairy farm building and cow shed, removal of two existing slurry tanks is proposed, followed by the erection of a new livestock shed and milking parlour, construction of a silage clamp and dry manure store, internal access road together with associated works. The development area includes eleven listed buildings (all Grade II) that are to be retained, including Glynllifon Estate mid-19th century parallel ranges, farm offices, a dovecote, barns and a cowhouse. The four buildings scheduled for demolition (Assets 240 to 243) were found to be twentieth century in date. A Bronze Age standing stone (Asset 10; scheduled monument Cn 356) is located within the development area but will not be affected; however, it is very close to one of the structures proposed for demolition.

It is known from the archaeological evaluation and mitigation works undertaken by Gwynedd Archaeological Trust between 2009 and 2010 for the learning centre located to the northwest of the dairy farm that evidence for former estate boundaries, landscaping and drainage is still present in the wider area, particularly within the large open fields. It is possible that similar evidence could survive within the areas scheduled for demolition and construction, although in a more curtailed form.

Based on the results of the archaeological assessment, the following recommendations are made:

- An archaeological watching brief during the demolition of a large slurry tank (Assessment Report Asset 242) due to the proximity of works to the Bronze Age standing stone scheduled monument (Asset 10; scheduled monument Cn 356);
- An archaeological watching brief during any development groundworks in vicinity to the standing stone scheduled monument (Asset 10; scheduled monument Cn 356); and
- A building record of the 20th century farm buildings (Assets 240 and 243) prior to demolition.

4.3 Sheep Farm

The proposed Sheep Farm and Centre will be located in a former estate farmyard and will replace existing agricultural infrastructure. The demolition of existing lambing and sheep sheds are proposed, followed by the erection of two livestock sheds together with associated facilities and milking parlour, creation of landscaping bund, together with associated works. The proposed new buildings will be modern purpose agricultural buildings. The Grade II* Listed Fort Williamsburg is located to the immediate north of the development but will not be affected. The development area was characterised by a small number of buildings, including a late 19th century pheasantry built immediately to the south of the fort (Asset 239) and 20th century sheep and lambing sheds (Assets 244 and 245); other activity present included, a mound representing a possible agricultural clearance cairn (Asset 246), a relict field boundary (Asset 246) and an axe hammer findspot (Asset 200). It does not appear that the cairn and boundary are affected by the proposals, but the pheasantry and 20th century sheep and lambing sheds will be demolished. If the development includes any ground reduction, then there is also the possibility for former estate activity to be exposed; the axe hammer findspot also suggests some potential for earlier activity to be identified.

Based on the results of the archaeological assessment, the following recommendations are made:

- A building record of the pheasantry building (Asset 239), following removal of black berry bushes and prior to demolition;
- A building record of the sheep and lambing sheds (Assets 244 and 245) prior to demolition;
- A watching brief during development groundworks; this would include any works within vicinity of axe hammer findspot (Asset 200), earthen mound/possible clearance cairn (asset 246) and former field boundary (Asset 247).

5 SOURCES CONSULTED

1. Cadnant Planning, 2022. Land At Glynllifon College Farm Heritage Impact Assessment 2019.076_04
2. Cadnant Planning, 2022. Land At Glynllifon College Farm Heritage Impact Assessment 2019.076_05
3. Cadw/ICOMOS 1998 *Register of Parks and Gardens of Outstanding Historic Interest. Vol. 1*
4. Chartered Institute for Archaeologists, 2020, *Standard and Guidance for Historic Environment Desk-Based Assessment*;
5. Chartered Institute for Archaeologists, 2020, *Standard and guidance for the collection, documentation, conservation and research of archaeological materials*
6. Chartered Institute for Archaeologists, 2020, *Standard and guidance for the creation, compilation, transfer and deposition of archaeological archives*
7. Cooke, R. and Kenney, J. and Jones, M 2009 Glynllifon College Llandwrog: Archaeological Assessment (Unpublished GAT Report No. 827)
8. Cooke, R. and Kenney, J. and Jones, M 2009 Proposed Development at Glynllifon College Llandwrog, Gwynedd (Area A): Archaeological Assessment (Unpublished GAT Report No. 826)
9. Cooke, R., Kenney, J. and Jones, M 2009 Glynllifon College Development: Archaeological Assessment (Unpublished GAT Report No. 834)
10. English Heritage, 1991, *Management of Archaeological Projects (MAP2)*
11. Evans, R. 2010 Glynllifon College Development: Archaeological Evaluation and Watching Brief (Unpublished GAT Report No. 907)
12. Glynllifon Demesne and Penbryn Bwlan map (1790).
13. *Guidance for the Submission of Data to the Welsh Historic Environment Records (HERs)* Version 1.1 (The Welsh Archaeological Trusts, 2018);
14. *Guidelines for digital archives* (Royal Commission on Ancient and Historic Monuments of Wales, 2015);
15. Historic England, 2015, *Management of Research Projects in the Historic Environment (MoRPHE)*

16. Hopewell, D. 2010 Glynllifon College Development: Archaeological Assessment Phase 2: Geophysical Survey (Unpublished GAT Report No. 867)
17. Jones, M 2009 Glynllifon College Development: Archaeological Watching Brief: Ground Investigation Phase (Unpublished GAT Report No. 830)
18. Map of Glynllifon Demesne in the parish of Llandwrog (1828-1840)
19. Map of Glynllifon Demesne with schedule of lands (1751);
20. Map of park and demesne lands at Glynllifon (1824);
21. National Archives Tithe Map and Apportionment of the Parish of Llandwrog 1849
22. Ordnance Survey 1-inch to 25-mile County Series Map Sheets XX.3 and XX.7 First Edition published in 1900
23. Ordnance Survey 1-inch to 25-mile County Series Map Sheets XX.3 and XX.7 Second Edition published in 1889, 1900 and 1918
24. Ordnance Survey 1-inch to 25-mile County Series Map Sheets XX.3 and XX.7 Third Edition published in 1918
25. Royal Commission on Ancient and Historic Monuments of Wales, 2015, *Guidelines for digital archives*

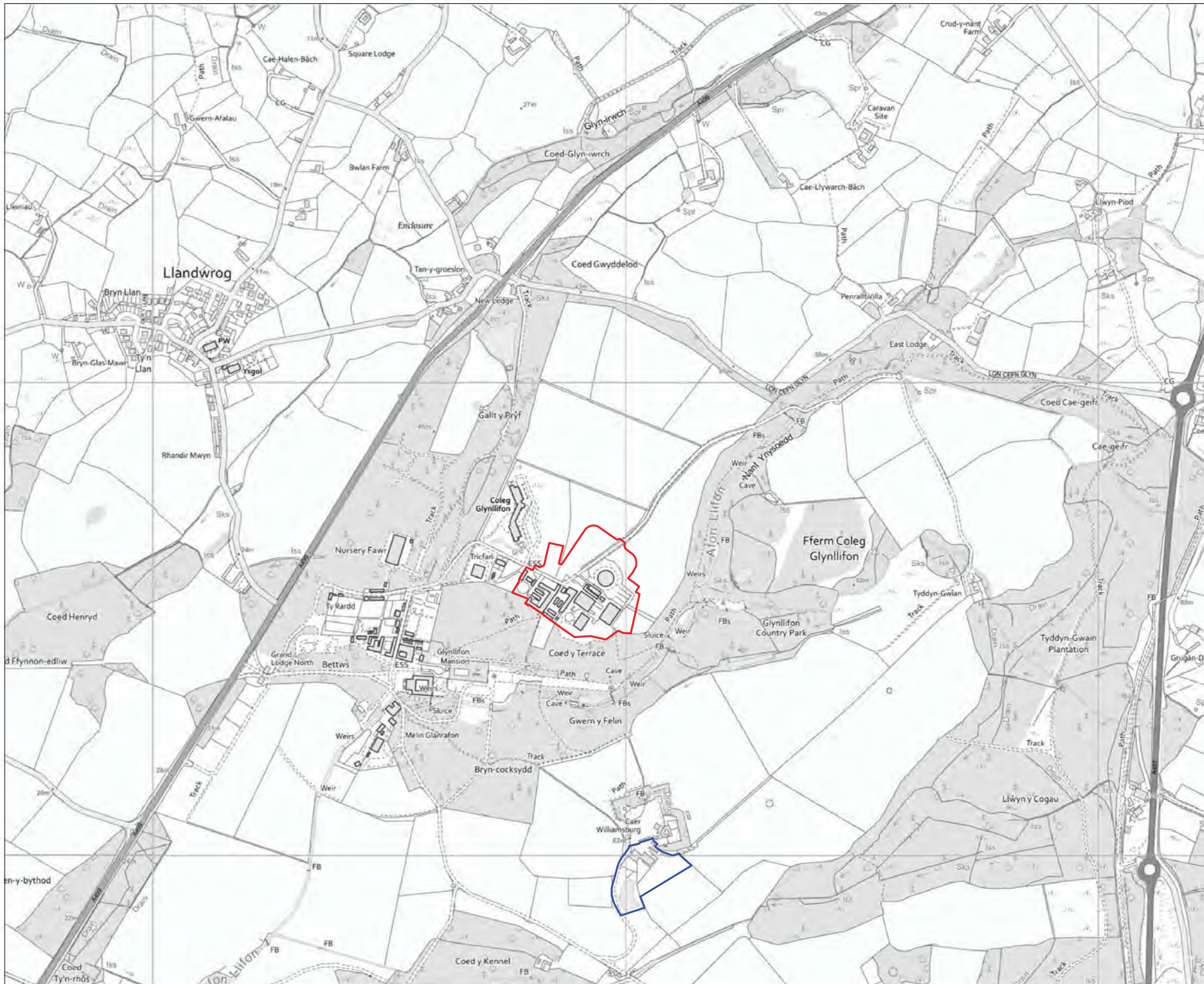
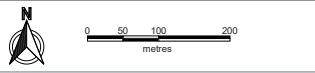


Figure 01: Location plan detailing proposed development areas

- Proposed Dairy Farm and Shed
- Proposed Sheep Farm and Centre

Co-ordinate System OSGB 1936 / British National Grid EPSG:27700
Background mapping reproduced from Ordnance Survey
VectorMap Local with the permission of H.M.S.O. © Crown Copyright
and database right 2022, License AL100020895



Ymddinedolaeth Archaeolegol Gwynedd
Gwynedd Archaeological Trust
www.heneb.co.uk

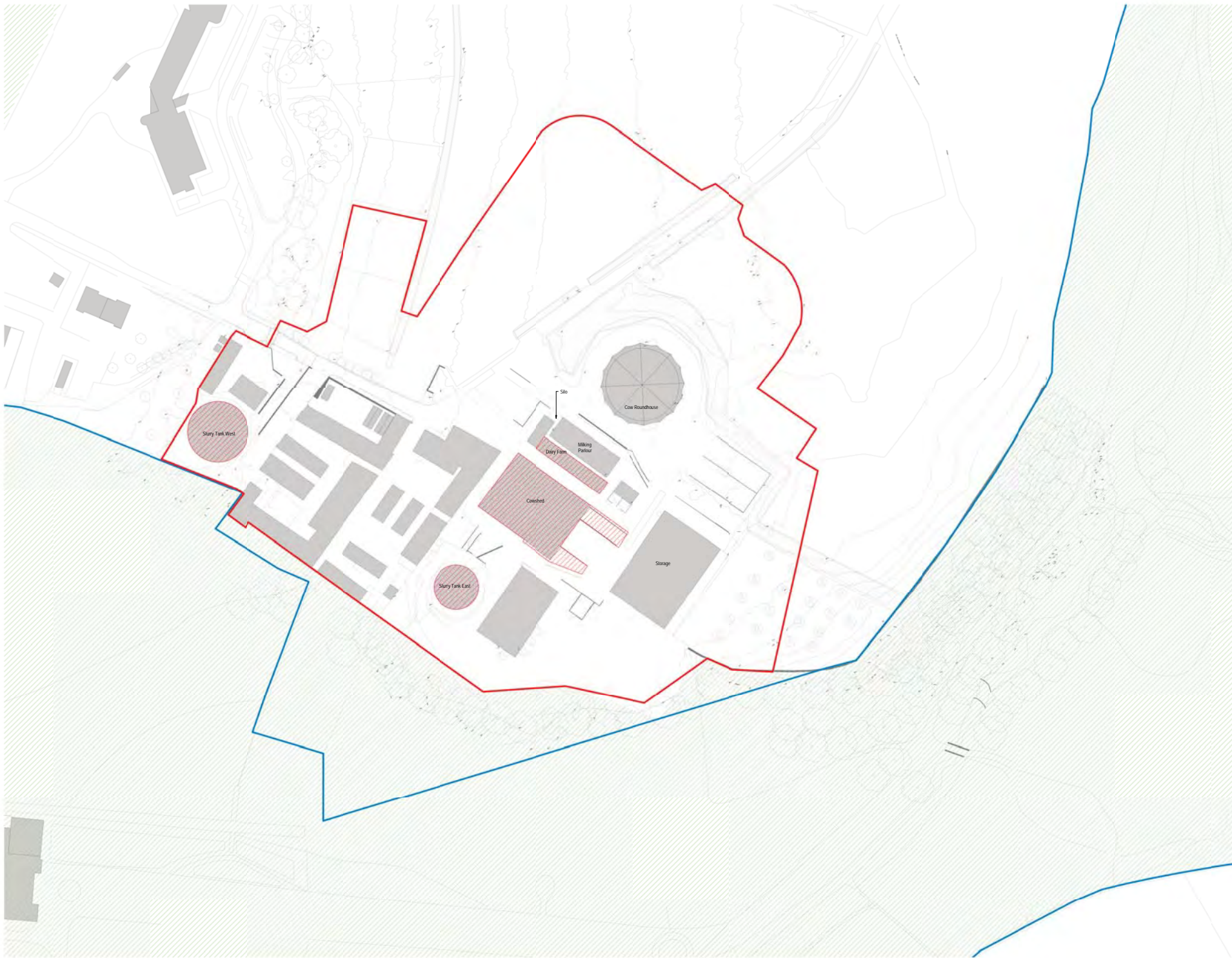
Craig Beuno,
Ffordd y Garth,
Bangor, Gwynedd
LL57 2RT

Ffon / Phone: +44 (0) 1248 352535
Ffacs / Fax: +44 (0)1248 370925
e-bost / e-mail: gat@heneb.uk

CLIENT: Grwp Llandrillo-Menai

SITE: Glynllifon College Farm,
Ffordd Clynog, Llandwrog,
Gwynedd, LL54 5DU

SCALE AT AS: 1:7,500	DATE: 13/09/22	DRAWN: NMC	CHECKED: JR
PROJECT NO: G2743	DRAWING NO: DBA/01	REVISION:	A



GENERAL NOTES

The drawings, design and construction are for the purpose of providing information only and are not to be used for any other purpose without the written consent of the design team. The design team is not responsible for any errors or omissions in the drawings or for any consequences arising from the use of the drawings for any purpose other than that for which they were prepared. The design team is not responsible for any errors or omissions in the drawings or for any consequences arising from the use of the drawings for any purpose other than that for which they were prepared. The design team is not responsible for any errors or omissions in the drawings or for any consequences arising from the use of the drawings for any purpose other than that for which they were prepared.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

There is no known or suspected contamination of the site or its surroundings. The site is not a Special Area of Conservation or a Site of Special Scientific Interest. The site is not a designated area for the purposes of the Environmental Protection Act 1990. The site is not a designated area for the purposes of the Environmental Protection Act 1990.



- Key**
- Ownership Boundary
 - Application Boundary
 - Special Area of Conservation & SSSI
 - Demolition

PD	Planning Application Issue	04.07.2022
PD	Final Issue for planning consultation	27.08.2022
Rev	Description	Drawn by Date
01	Initial Design	04.07.2022
02	Final Design	27.08.2022

D5 - Planning Approval

Confidential

Grwp Llandrillo-Menai

Dairy Development Project - Campws Glynllifon

Existing Block Plan

Scale @ A0	Drawn	Checked	Approved
As indicated	EC	AJ	EC

CS/098555-70 23.03.2022

DOP-CAP-00-ZZ-DR-A-050002_riv P02

CAPITA
Architecture

1 Existing Block Plan
1:500



GENERAL NOTES

The drawings, designs and drawings, specifications and schedules are to be used in the only when the drawings are approved.

Any work not shown on the drawings is to be done in accordance with the current practice of the industry.

The drawings are to be used in accordance with the current practice of the industry.

The drawings are to be used in accordance with the current practice of the industry.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

There is no known or suspected contamination of the site or the surrounding area.

The drawings are to be used in accordance with the current practice of the industry.

The drawings are to be used in accordance with the current practice of the industry.



- Key**
- Ownership Boundary
 - Application Boundary
 - Special Area of Conservation & SSSI
 - Proposed Courtyard Space
 - Proposed Dairy Farm Z1
 - Proposed Dry Manure Store/Silage Clamps Z2
 - Proposed Milking Parlour Z3
 - Hodgrows
 - Proposed Traffic Route
 - Proposed Driveway

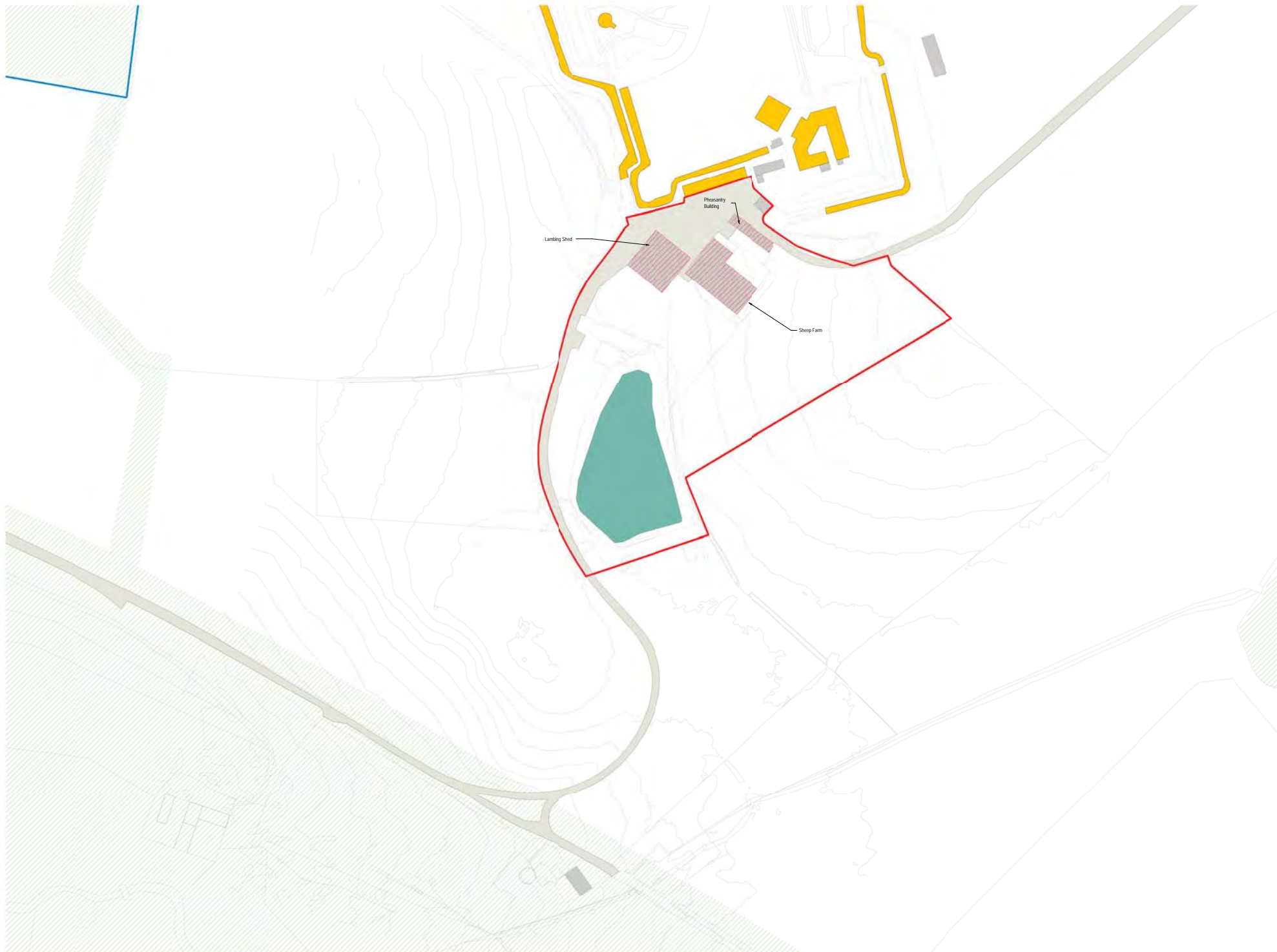
PD Planning Pre-application Issues 04.07.2022
 P10 Draft Issues for pre-application consultation 27.08.2022
 Rev Description Date
 Status
 D5 - Planning Approval
 Confidential
 Grwp Llandrillo-Menai

Project
 Dairy Development Project -
 Campws Glynllifon

Proposed Block Plan

Scale @ A0	Drawn	Checked	Approved
As indicated	EC	AJ	EC
CS/098555-70			23.03.2022
Drawing Description	Project	Drawn	Checked
DOP-CAP-00-ZZ-DR-A-050004			rev P02

1 Proposed Block Plan
 1:500



GENERAL NOTES
The drawings, designs and materials, specifications and construction details, and the use of the site only when indicated on the drawings.
The drawings are for the purpose of the design and construction of the proposed development only. The drawings are not to be used for any other purpose without the written consent of the architect.
The drawings are not to be used for any other purpose without the written consent of the architect.
The drawings are not to be used for any other purpose without the written consent of the architect.
The drawings are not to be used for any other purpose without the written consent of the architect.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION
The drawings are not to be used for any other purpose without the written consent of the architect.
The drawings are not to be used for any other purpose without the written consent of the architect.
The drawings are not to be used for any other purpose without the written consent of the architect.
The drawings are not to be used for any other purpose without the written consent of the architect.



- Key**
- Community Boundary
 - Application Area
 - Special Area of Conservation & SSSI
 - Grade II* Listed
 - Existing Access Road
 - Existing Pond
 - Proposed Development

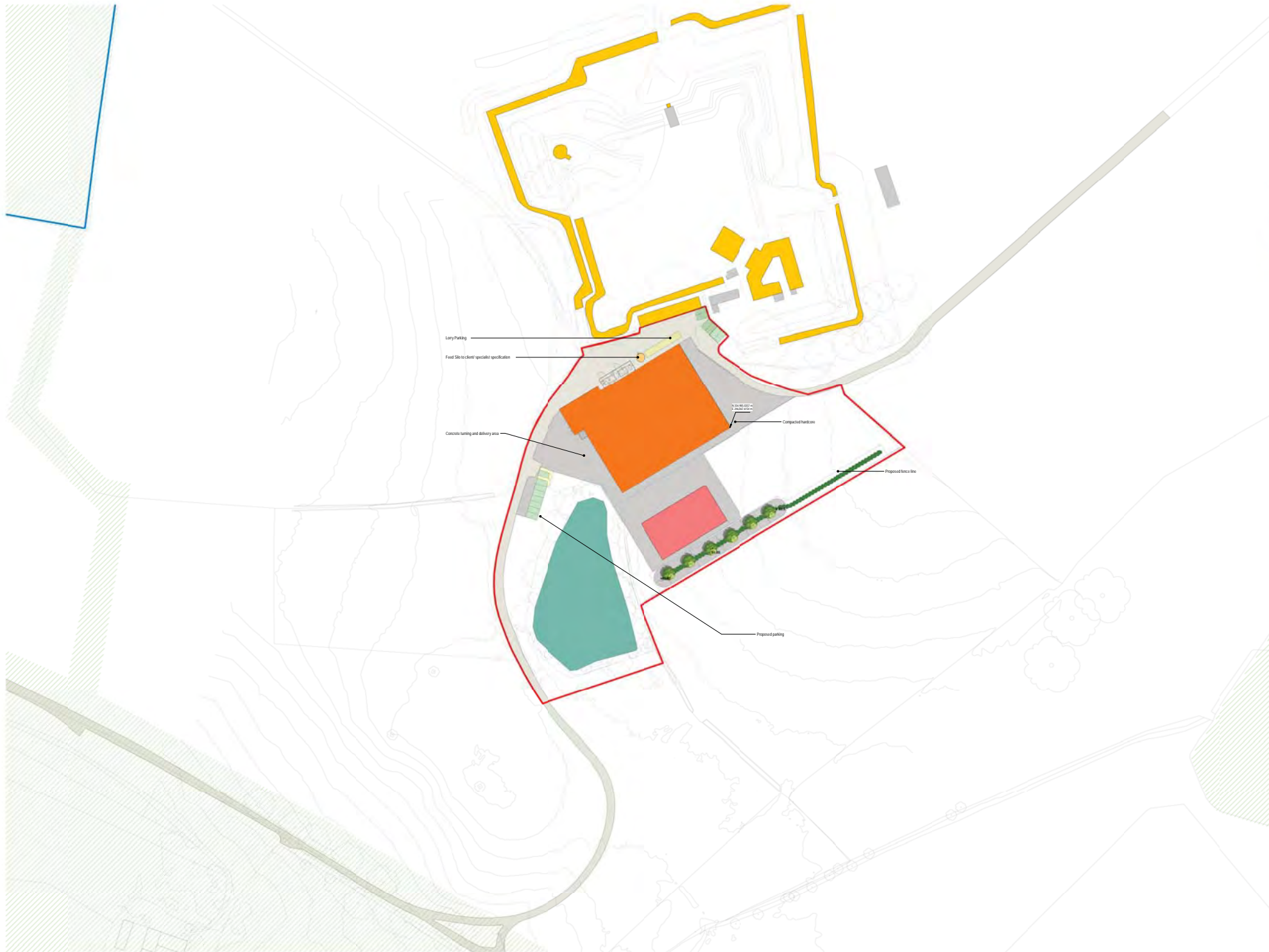
P02 Planning Pre-application Issues 04.07.2022
P01 Draft Issues for pre-application consultation 27.05.22
Rev Description Date
Status
S2 - Fit for information
Classification
Confidential
Client
Grwp Llandrillo-Menai

Project
Welsh Sheep Centre - Campws
Glynllifon

Drawing
Existing Block Plan

Scale @ A0	Drawn	Checked	Approved
As indicated	EC	MB	EC
CS/098555-39			23.03.2022
Drawing Details			
WSC-CAP - 00 - ZZ - DR - A - 050003 - rev P02			





GENERAL NOTES

The drawings, designs and materials are for the proposed development and are not to be used for any other purpose without the written consent of the author.

Any use of the drawings for any other purpose is at the user's risk. The author accepts no liability for any loss or damage arising from the use of the drawings for any other purpose.

The drawings are for the proposed development and are not to be used for any other purpose without the written consent of the author.

Any use of the drawings for any other purpose is at the user's risk. The author accepts no liability for any loss or damage arising from the use of the drawings for any other purpose.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

The drawings are for the proposed development and are not to be used for any other purpose without the written consent of the author.

Any use of the drawings for any other purpose is at the user's risk. The author accepts no liability for any loss or damage arising from the use of the drawings for any other purpose.



Key

- Ownership Boundary
- Application Area
- Special Area of Conservation & SSSI
- Existing Access Road
- Existing Pond
- Proposed Front Yard and Circulation
- Visitor's Parking
- Disabled Visitor's Parking
- Proposed Reduced Pond
- Proposed Welsh Sheep Centre
- Proposed Welsh Sheep Centre
- Proposed Domestic

P02 Planning Pre-application Issues 04.07.2022
P01 Draft Issues for pre-application consultation 27.05.22
Rev Description Date
Status

D5 - Planning Approval
Confidential
Grwp Llandrillo-Menai

Project
Welsh Sheep Centre - Campwys Glynllifon

Drawing
Proposed Block Plan

Scale @ A0	Drawn	Checked	Approved
As indicated	EC	MB	EC

CS/098555-39 03.11.21

WSC-CAP-00-ZZ-DR-A-050005_riv_P02



1 Proposed Block Plan
1:500



Figure 06: Map of Glynllifon Demesne with schedule of lands (1751) (Gwynedd Archive reference XD2A/1580)

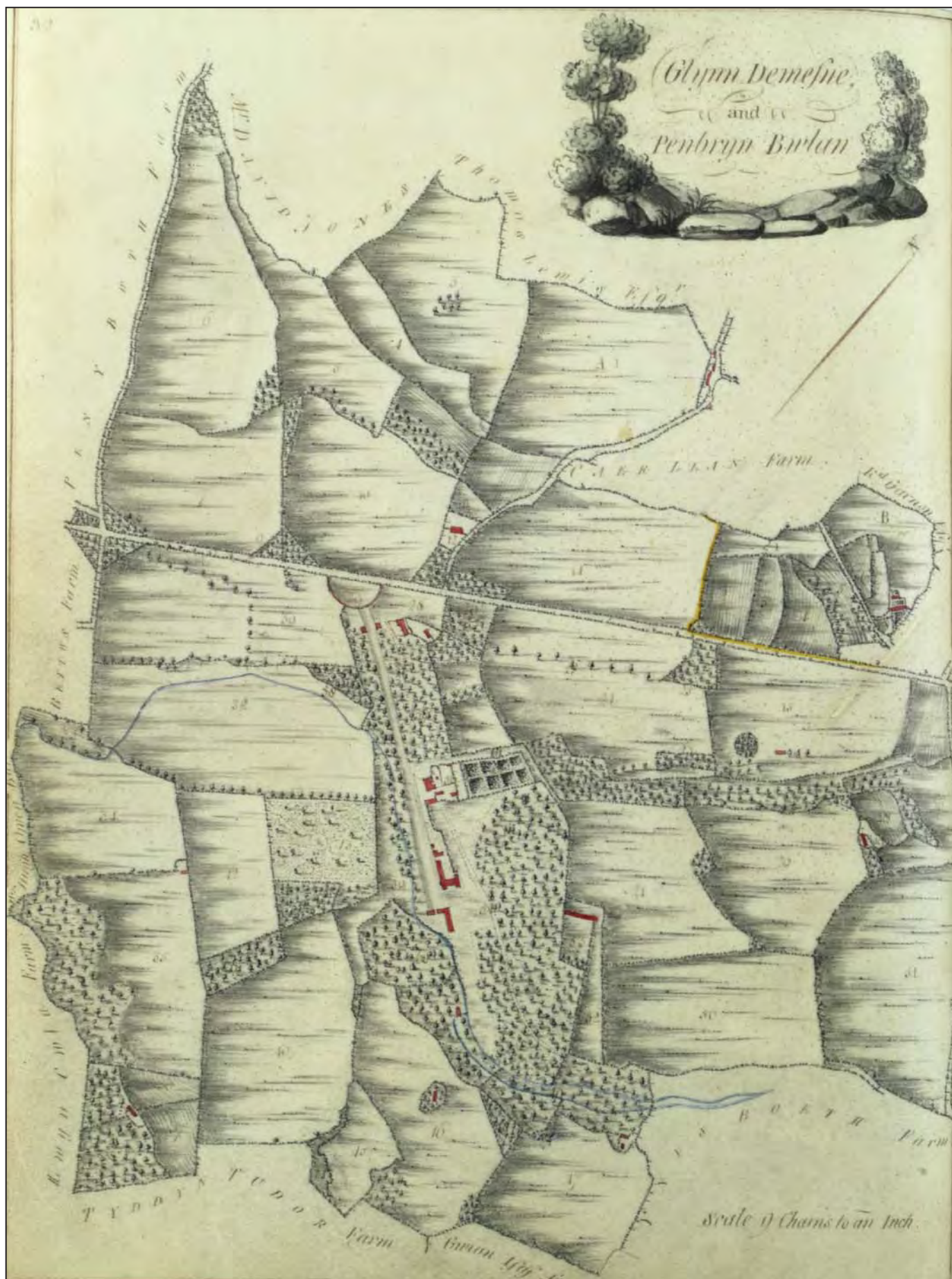


Figure 07: Glynllifon Demesne and Penbryn Bwlan (1790) (Ms Maps vol. 95 p32)



Figure 08: Map of park and demesne lands at Glynllifon (1824). (Gwynedd Archives Reference XD2A/857).



Figure 09: Map of Glynllifon Demesne in the parish of Llandwrog (1828-1840) (Gwynedd Archives Reference: XD2A/858).



Figure 10: Extract from the Llandwrog Parish Tithe Map of 1849. The dairy area is in plot 667, and the sheep farm is in plot 676. Not to Scale

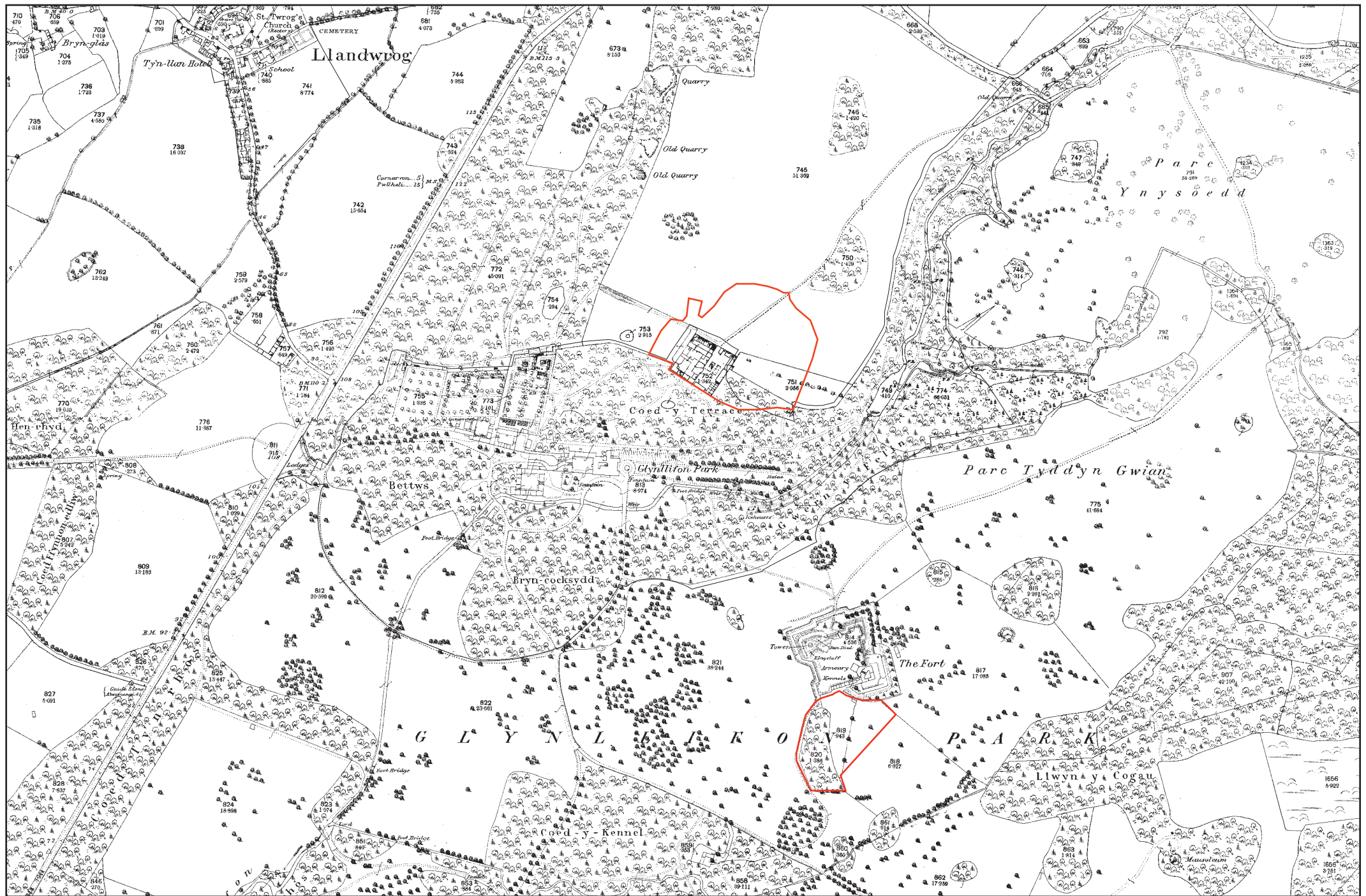


Figure 11: 1st edition Caernarvonshire County Series Ordnance Survey Map of 1889, sheets XX.03 and 07, showing Parc Glynllifon. Scale 1:7500@A4. Approximate study areas outlined in red.



Figure 12: 2nd edition Caernarvonshire County Series Ordnance Survey Map of 1900, sheets XX.03 and 07, showing Parc Glynllifon. The pheasantry (Asset 239) is shown adjacent to Fort Williamsburg. Scale 1:7500@A4. Approximate study areas shown in red.

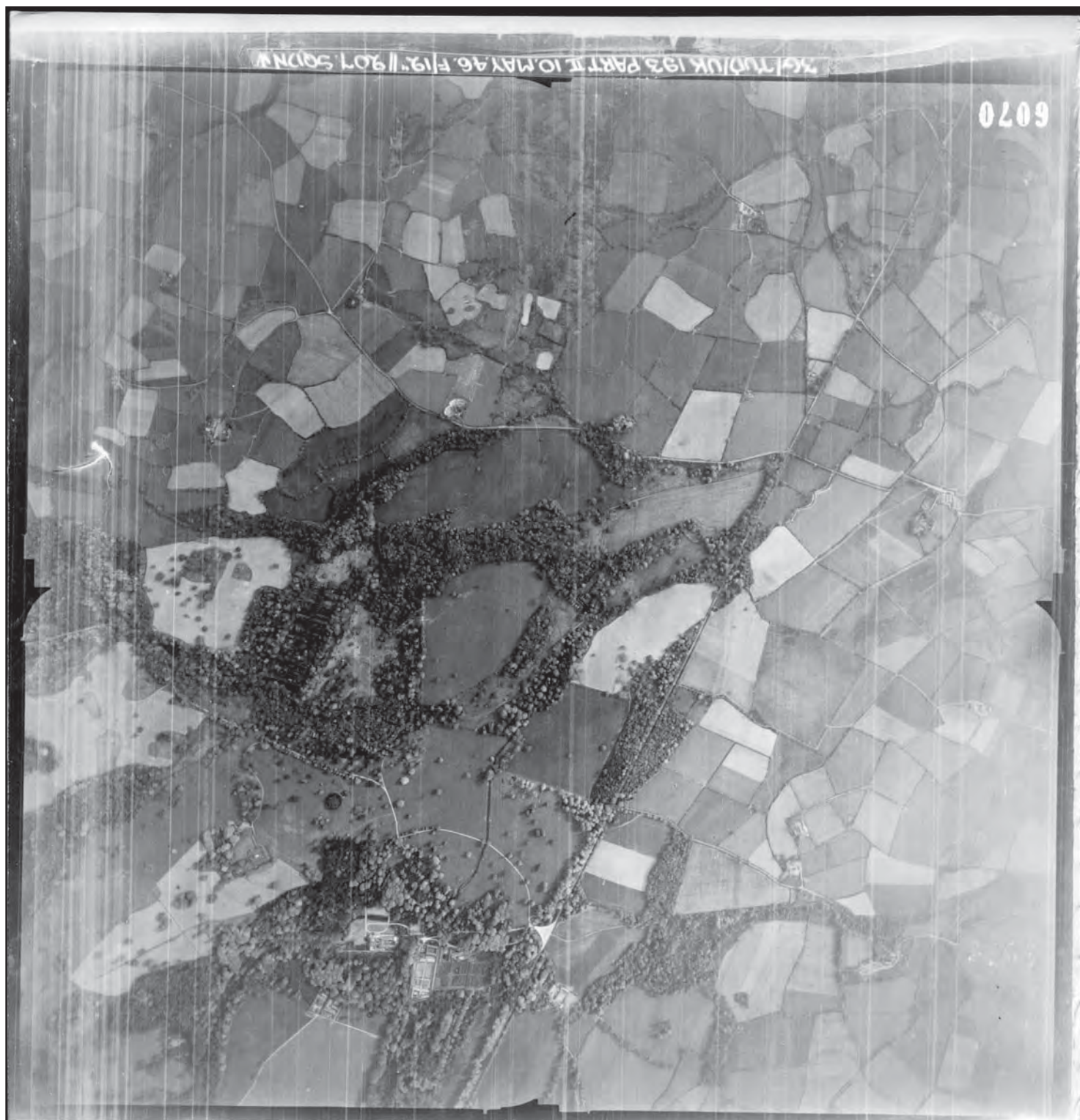
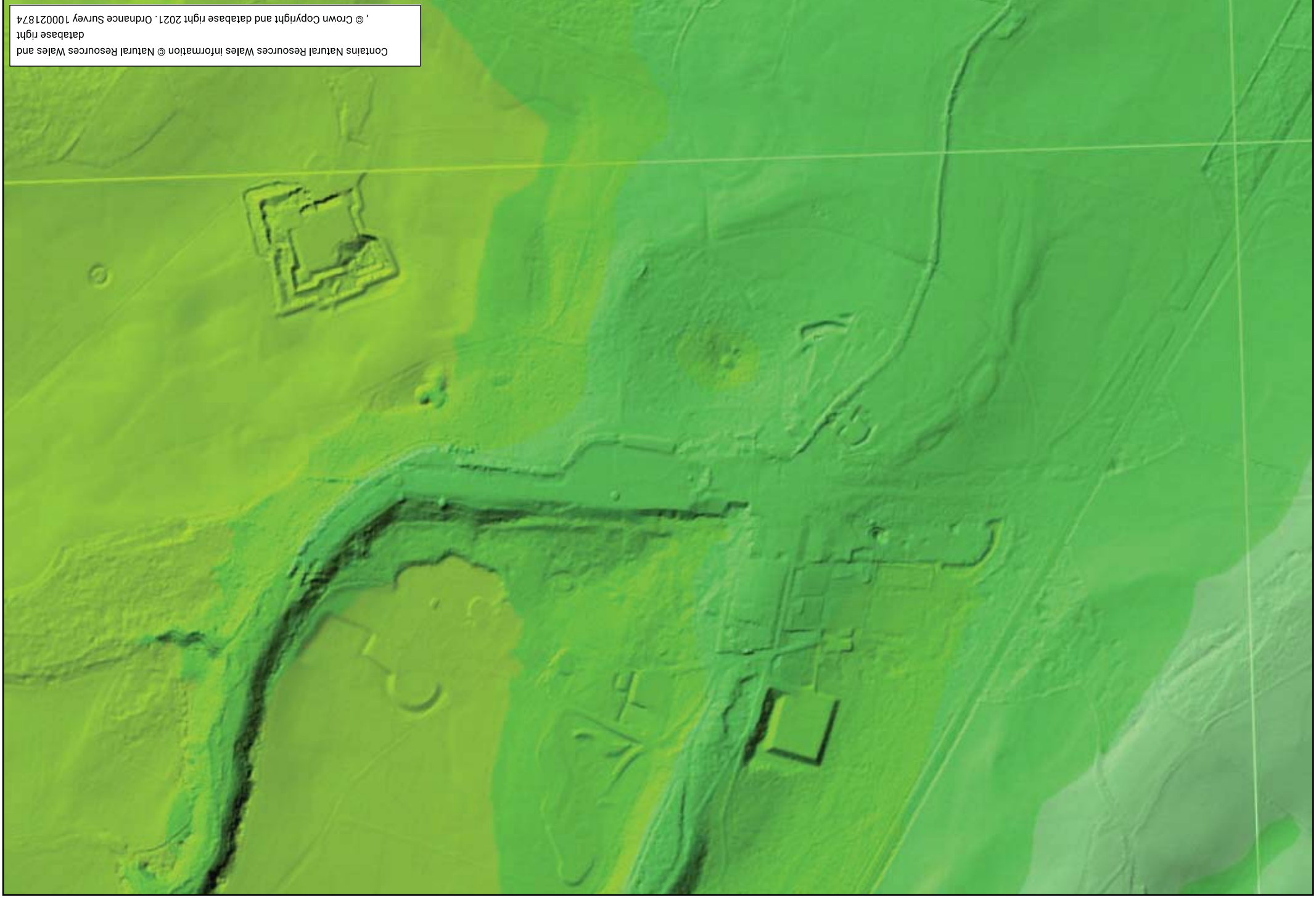


Figure 13: Reproduction of 1946 aerial photograph 4607 RAF 3G TUD UK 193 Frame 6070



Contains Natural Resources Wales information © Natural Resources Wales and
database right
, © Crown Copyright and database right 2021, Ordnance Survey 100021874

Figure 14: Reproduction of Lle Geo-Portal Light Detection and Ranging (LiDAR) digital terrain modelling (DTM) 1 m DTM composite dataset for SH4555.
Not to Scale

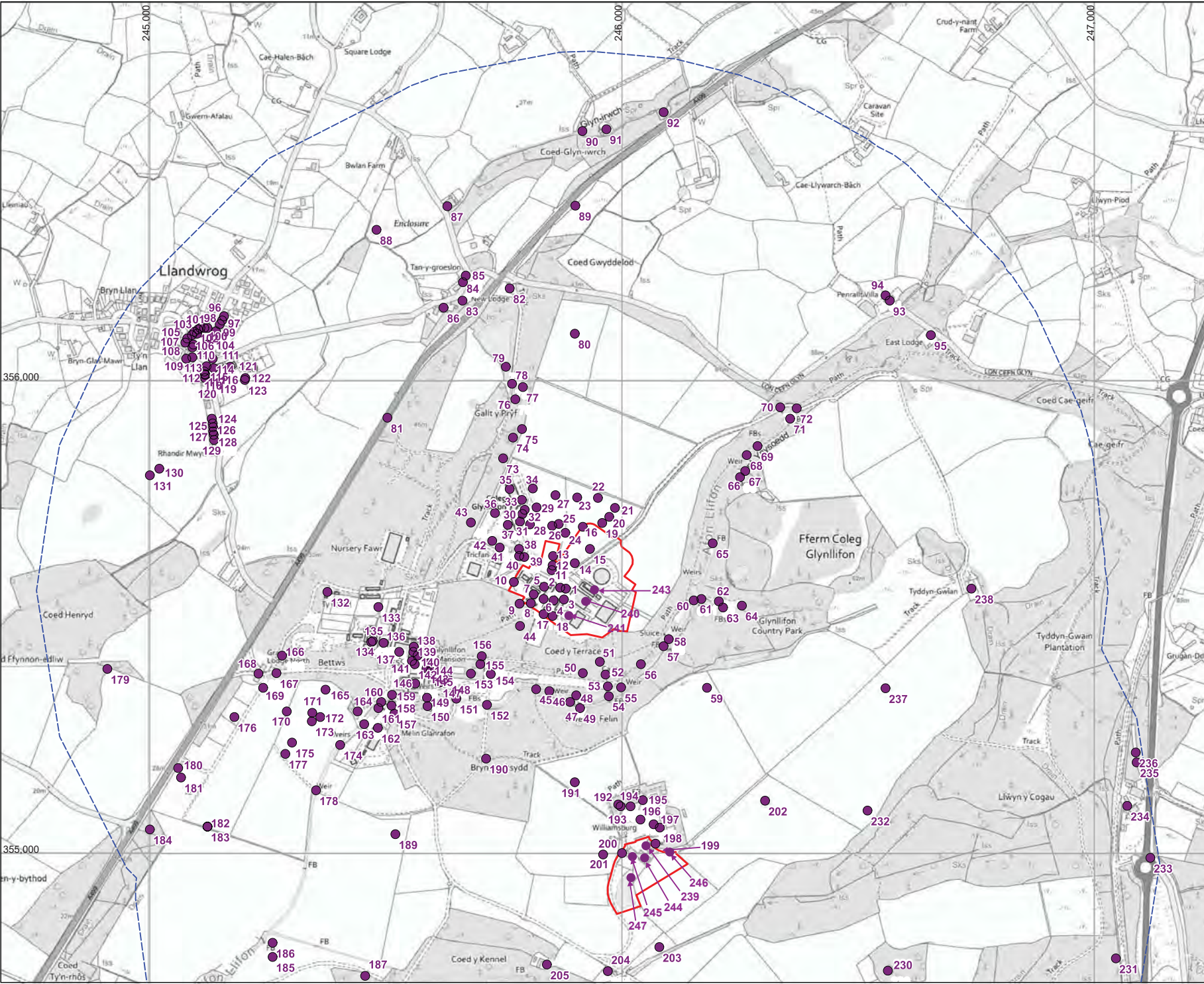
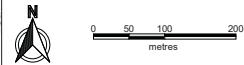


Figure 15: Historic Assets in the Study Area (North)

- 1 Historic Asset
- Proposed development areas
- 1km Study area

Co-ordinate System OSGB 1936 / British National Grid EPSG:27700
Background mapping reproduced from Ordnance Survey
VectorMap Local with the permission of H.M.S.O. © Crown Copyright
and database right 2022, License AL100020895



Ymddinedolaeth Archaeolegol Gwynedd
Gwynedd Archaeological Trust
www.heneb.co.uk

Craig Beuno,
Ffordd y Garth,
Bangor, Gwynedd
LL57 2RT

Ffon / Phone: +44 (0) 1248 352535
Ffacs / Fax: +44 (0)1248 370925
e-bost / e-mail: gat@heneb.uk

CLIENT: Grwp Llandrillo-Menai

SITE: Glynllifon College Farm,
Ffordd Clynog, Llandwrog,
Gwynedd, LL54 5DU

SCALE AT A3: 1:7,500	DATE: 13/09/22	DRAWN: NMC	CHECKED: JR
PROJECT NO: G2743	DRAWING NO: DBA/01	REVISION:	A

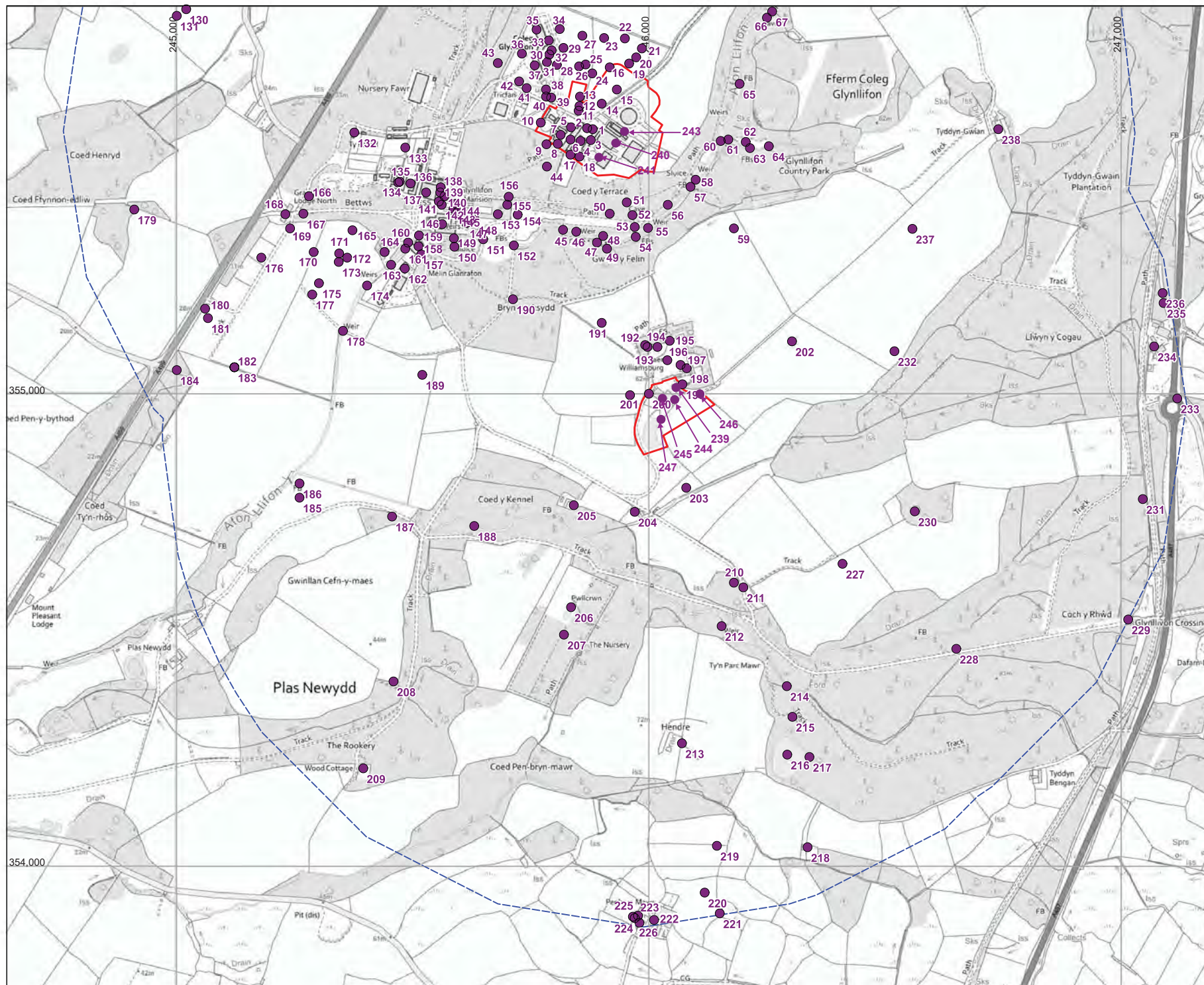
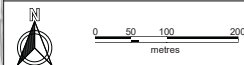


Figure 16: Historic Assets in the Study Area (South)

- 1 Historic Asset
- ▭ Proposed development areas
- - - 1km Study area

Co-ordinate System OSGB 1936 / British National Grid EPSG:27700
 Background mapping reproduced from Ordnance Survey
 VectorMap Local with the permission of H.M.S.O. © Crown Copyright
 and database right 2022, License AL100020895



Ymddinedolaeth Archaeolegol Gwynedd
 Gwynedd Archaeological Trust
www.heneb.co.uk

Craig Beuno,
 Ffordd y Garth,
 Bangor, Gwynedd
 LL57 2RT

Ffon / Phone: +44 (0) 1248 352535
 Ffacs / Fax: +44 (0)1248 370925
 e-bost / e-mail: gat@heneb.uk

CLIENT: Grwp Llandrillo-Menai

SITE: Glynllifon College Farm,
 Ffordd Clynog, Llandwrog,
 Gwynedd, LL54 5DU

SCALE AT AS: 1:7,500	DATE: 13/09/22	DRAWN: NMC	CHECKED: JR
PROJECT NO: G2743	DRAWING NO: DBA/02	REVISION:	A



Plate 1: Asset 1 (NGR SH45875553) - View of ranges (Listed Building Grade II 20488); scale 1x1m; view from N (archive reference: G2743_16).



Plate 2: Asset 1 & 2 (NGR SH45855553) - Former farm office (Listed Building Grade II 20487), with range (Listed Building Grade II 20488); scale 1x1m; view from W (archive reference: G2743_14).



Plate 3: Asset 3 (NGR SH45855553) - View of cartsheds (Listed Building Grade II 20489); scale 1x1m; view from SW (archive reference: G2743_17).



Plate 4: Asset 4 (NGR SH45885556) - View of parallel barns (Listed Building Grade II 20491); scale 1x1m; view from N (archive reference: G2743_15).



Plate 5: Asset 4 (NGR SH45835550) - View of parallel barns (Listed Building Grade II 20491); scale 1x1m; view from SW (archive reference: G2743_18).



Plate 6: Asset 1 & 3 (NGR SH45885556) - View of ranges (Listed Building Grade II 20488) and cowsheds (Listed Building Grade II 20489) located alongside building to be demolished; scale 1x1m; view from NE (archive reference: G2743_27).



Plate 7: Asset 5 (NGR SH45835556) - View of north range building and yard (Listed Building Grade II 20496); scale 1x1m; view from N (archive reference: G2743_12).



Plate 8: Asset 5 (NGR SH45555536) - View of other side of north range building and yard (Listed Building Grade II 20496); scale 1x1m; view from W (archive reference: G2743_13).



Plate 9: Asset 6 (NGR SH45835553) - View of barn (Listed Building Grade II 20493); scale 1x1m; view from SW (archive reference: G2743_10).



Plate 10: Asset 6 (NGR SH45835556) - View of rear of barn (Listed Building Grade II 20493); scale 1x1m; view from NE (archive reference: G2743_11).



Plate 11: Asset 242 (NGR SH45775557) - View of nineteenth century boundary wall within proximity to the slurry tank; scale 1x1m; view from E (archive reference: G2743_04).



Plate 12: Asset 242 (NGR SH45775557) - View of nineteenth century boundary wall from the other end with attached wooden pole in the background.; scale 1x1m; view from NE (archive reference: G2743_05).



Plate 13: Asset 7 (NGR SH45815554) - View of slate divided pens of northeast parallel range, with entrance in the background; scale 1x1m; view from N (archive reference: G2743_07).



Plate 14: Asset 7 (NGR SH45805552) - View of entrance into parallel farm ranges (Listed Building Grade II 20494); scale 1x1m; view from NE (archive reference: G2743_08).



Plate 15: Asset 8 (NGR SH45835553) - View of L-shaped range (Listed Building Grade II 20495); scale 1x1m; view from N (archive reference: G2743_09).



Plate 16: Asset 10 (NGR SH45775557) - View of Bronze Age standing stone (scheduled monument Cn356) located next to a slurry store scheduled for demolition; scale 1x1m; view from SW (archive reference: G2743_01).



Plate 17: Asset 10 (NGR SH45775557) - View of Bronze Age standing stone (scheduled monument Cn356) located to a slurry store scheduled for demolition; scale 1x1m; view from NW (archive reference: G2743_02).



Plate 18: Asset 10 (NGR SH45775557) - Close up view of Bronze Age standing stone (scheduled monument Cn356) showing close proximity to slurry store; scale not used; view from NE (archive reference: G2743_03).



Plate 19: Asset 17 (NGR SH45855550) - View of cowhouse (Listed Building Grade II 20492); scale 1x1m; view from N (archive reference: G2743_19).



Plate 20: Asset 18 (NGR SH45855550) - View of dovecote (Listed Building Grade II 20490); scale 1x1m; view from N (archive reference: G2743_20).



Plate 21: Asset 18 (NGR SH45855550) - View of graffiti of geese on northeast face gable end of dovecote (Listed Building Grade II 20490); scale not used; view from NE (archive reference: G2743_21).



Plate 22: Asset 18 (NGR SH45855550) - Close-up view of graffiti of geese on northeast face gable end of dovecote (Listed Building Grade II 20490); scale not used; view from NE (archive reference: G2743_22).



Plate 23: Asset 18 (NGR SH45855550) - View of dovecote (Listed Building Grade II 20490); scale not used; view from NW (archive reference: G2743_23).



Plate 24: Asset 18 (NGR SH45855550) - View of interior of dovecote (Listed Building Grade II 20490); scale not used; view from SE (archive reference: G2743_24).



Plate 25: Asset 18 (NGR SH45855550) - View inside roofspace of graffiti of geese on northeast face gable end of dovecote (Listed Building Grade II 20490); scale not used; view from NW (archive reference: G2743_25).



Plate 26: Asset 18 (NGR SH45855550) - View of ranges at western end of dovecote (Listed Building Grade II 20490); scale 1x1m; view from W (archive reference: G2743_26).



Plate 27: Asset 7 (NGR SH45815554) - Arched entranceway (Listed Building Grade II 20478) and farm building range (Listed Building Grade II 20494); scale 1x1m; view from NW (archive reference: G2743_06).



Plate 28: Asset 241 & 18 (NGR SH45855550) - View of proximity of slurry tank to dovecote (Listed Building Grade II 20490); scale not used; view from N (archive reference: G2743_33).



Plate 29: Asset 240 & 241 (NGR SH45915553) - View of slurry tank and barn to be demolished; located against listed buildings; scale not used; view from SE (archive reference: G2743_28).



Plate 30: Asset 240 & 241 (NGR SH45915553) - View of slurry tank and barn to be demolished; located against listed buildings; scale not used; view from S (archive reference: G2743_29).



Plate 31: Asset 240 & 243 (NGR) - View of two barns proposed for demolition; scale 1x1m; view from SE (archive reference: G2743_30).



Plate 32: Asset 199 (NGR SH45555536) - View of outer wall of Fort Williamsburg (Listed Building Grade II 20467); scale 1x1m; view from S (archive reference: G2743_35).



Plate 33: Asset 199 (NGR SH45555536) - Arched voustoir entrance into Fort Williamsburg; scale 1x1m; view from SW (archive reference: G2743_52).



Plate 34: Asset 200 (NGR SH46005500) - Approximate location of axe hammer findspot; scale 1x1m; view from S (archive reference: G2743_36).



Plate 35: Asset 239 (NGR SH46055501) - View of farm building to be demolished, including pheasantry; scale 1x1m; view from N (archive reference: G2743_37).



Plate 36: Asset 239 (NGR SH46055501) - View of pheasantry with original stonework on left and brickwork on right; scale not used; view from NW (archive reference: G2743_38).



Plate 37: Asset 239 (NGR SH46055501) - White plaster interior of pheasantry along left with bricks and windows on right; scale 1x1m; view from W (archive reference: G2743_39).



Plate 38: Asset 239 (NGR SH46055501) - Original exterior along northeast edge of pheasantry; scale 1x1m; view from N (archive reference: G2743_40).



Plate 39: Asset 239 (NGR SH46055501) - View of nineteenth century pheasantry wooden door with bolt decoration and iron handle; scale 1x1m; view from NE (archive reference: G2743_41).



Plate 40: Asset 239 (NGR SH46055501) - View of original pheasantry stone walling against twentieth century brickwork; scale 1x1m; view from S (archive reference: G2743_42).



Plate 41: Asset 239 (NGR SH46055501) - View of possible small accommodation attached to pheasantry; scale 1x1m; view from NE (archive reference: G2743_44).



Plate 42: Asset 239 (NGR SH46055501) - View of surround of former fire range in pheasantry; very overgrown; scale not used; view from N (archive reference: G2743_45).



Plate 43: Asset 239 (NGR SH46055501) - View of slate kerb stones lying in line to pheasantry entrance - 2.97m; scale 1x1m; view from NW (archive reference: G2743_46).



Plate 44: Asset 244 (NGR SH46045499) - View of sheep barns and pens to be demolished; scale 1x1m; view from E (archive reference: G2743_43).



Plate 45: Asset 246 (NGR SH46105500) - Earth mound in adjoining field for development area; possible clearance cairn; scale 1x1m; view from E (archive reference: G2743_47).



Plate 46: Asset 247 (NGR SH45555536) - Relict field boundary within development area in between south-southwest field and SSSI area; scale 1x1m; view from NE (archive reference: G2743_51).

APPENDIX I

Gwynedd Archaeological Trust Written Scheme of Investigation

GLYNLLIFON COLLEGE FARM (G2743)

WRITTEN SCHEME OF INVESTIGATION FOR DESK-
BASED ASSESSMENT

Prepared for

GRŴP LLANDRILLO MENAI

September 2022



Ymddiriedolaeth Archaeolegol Gwynedd
Gwynedd Archaeological Trust

Approvals Table				
	Role	Printed Name	Signature	Date
Originated by	Document Author			
Reviewed by	Document Reviewer			
Approved by	Principal Archaeologist			

Revision History			
Rev No.	Summary of Changes	Ref Section	Purpose of Issue

All GAT staff should sign their copy to confirm the project specification is read and understood and retain a copy of the specification for the duration of their involvement with the project. On completion, the specification should be retained with the project archive:

Name

Signature

Date

WOODLAND CREATION (G2743)

WRITTEN SCHEME OF INVESTIGATION FOR DESK-BASED ASSESSMENT

Prepared for *Grŵp Llandrillo Menai*, September 2022

1	INTRODUCTION	6
1.1	Aims and Objectives	8
1.2	Monitoring Arrangements	9
1.3	Historic Environment Record	10
3	METHODOLOGY	11
3.1	Assessment (Desktop Study)	11
3.2	Walkover Survey	13
3.3	Gazetteer of Features	14
3.4	Data Management Plan	17
3.5	Selection Strategy	20
4	PERSONNEL	21
5	HEALTH AND SAFETY	22
6	SOCIAL MEDIA	23
7	INSURANCE	24
7.1	Public/Products Liability	24
7.2	Employers Liability	24
7.3	Professional Indemnity	24
8	SOURCES CONSULTED	25
	FIGURE 01	26
	Reproduction of Capita Architecture Drawing No. DDP-CAP-00_ZZ-DR-A-050001_rev P02 with location of proposed Dairy Shed development area highlighted in red.	26
	Figure 02	27
	Dairy Farm and Shed: Existing and proposed overall site plan (Source: Source: Cadnant Planning Heritage Impact Assessment document 2019.076_04)	27
	Figure 03	28
	Reproduction of Capita Architecture Drawing No. WSC-CAP-00_ZZ-DR-A-050002_rev P02 with location of proposed Sheep Farm development area highlighted in red.	28
	Figure 04	29
	Dairy Farm and Shed: Existing and proposed overall site plan (Source: Cadnant Planning Heritage Impact Assessment document 2019.076_05)	29
	APPENDIX I	30
	Gwynedd Archaeological Trust basic recording pro-forma	30
	APPENDIX II	31
	Gwynedd Archaeological Trust photographic metadata pro-forma	31

APPENDIX III	32
Gwynedd Archaeological Trust Selection Strategy	32

1 INTRODUCTION

Gwynedd Archaeological Trust (GAT) has been commissioned by Grŵp Llandrillo Menai to undertake an archaeological desk-based assessment at Glynllifon College Farm, Ffordd Clynnog, Llandwrog, Gwynedd (NGR SH45555536; post code LL54 5DU) in advanced of two proposed developments. The proposed developments include:

- Proposed Dairy Farm and Shed: located at NGR SH45905552; works to include: demolition of the existing dairy farm building and cow shed, removal of two existing slurry tanks, erection of a new livestock shed and milking parlour, construction of a silage clamp and dry manure store, internal access road together with associated works ([Figure 01](#)). The proposed dairy farm building will be 70.5m x 47.5m, and be 9.1m to the ridge and 4.5m to the eaves; the rotary parlour shed would measure 20.5m x 50m, with a height of 6.9m to the ridge and 4m to the eaves ([Figure 02](#)). The proposed buildings will be modern purpose-built agricultural buildings that incorporate traditional materials such as stone to reflect the historic setting of the site's location on the elevation facing the historic farmyard. The development area includes eleven listed buildings (Grade II) and an adjacent Scheduled Monument; and
- Proposed Sheep Farm and Centre: located at NGR SH46045495; works to include: demolition of existing lambing and sheep sheds and erection of two livestock sheds together with associated facilities and milking parlour, creation of landscaping bund, together with associated works ([Figure 02](#)). The sheep centre would measure 43m x 56m, providing a floorspace of 2,105sqm with a height of 8.4m to the ridge and 4.7m to the eaves. The lambing/lamb rearing shed would measure 16m x 30m, providing a floorspace of 480sqm, with a height of 6.5m to the ridge and 5m to the eaves. The proposed new buildings will be modern purpose building agricultural buildings, but will incorporate traditional materials such as stone to reflect the historic setting of the application site. There are seven Grade II* Listed Buildings in proximity to the site.

The developments are located within areas that formerly belonged to the Glynllifon Estate, which was established by the Wynn family and developed extensively during the eighteenth and nineteenth century. The development areas are now part of Glynllifon College Farm, whilst Plas Glynllifon, located to the northwest, is under separate ownership.

The desk-based assessment aims to examine the archaeological potential at each location, including the buildings proposed for demolition.

The assessment will be undertaken in September 2022 and completed in accordance with the following guidance:

- Guidance for the Submission of Data to the Welsh Historic Environment Records (HERs) Version 1.1 (The Welsh Archaeological Trusts, 2018);
- Guidelines for digital archives (Royal Commission on Ancient and Historic Monuments of Wales, 2015);
- Management of Archaeological Projects (English Heritage, 1991);
- Management of Research Projects in the Historic Environment: The MoRPHE Project Managers' Guide (Historic England, 2015);
- Standard and Guidance for Historic Environment Desk-Based Assessment (Chartered Institute for Archaeologists, 2020);
- Standard and Guidance for the Collection, Documentation, Conservation and Research of Archaeological Materials (Chartered Institute for Archaeologists, 2020); and
- Standard and Guidance for the Creation, Compilation, Transfer and Deposition of Archaeological Archives (Chartered Institute for Archaeologists, 2020).

Gwynedd Archaeological Trust is certified to ISO 9001:2015 and ISO 14001:2015 (Cert. No. 74180/B/0001/UK/En) and is a Registered Organisation with the Chartered Institute for Archaeologists.

1.1 Aims and Objectives

The key aims and objectives are to undertake:

- a detailed breakdown of the known archaeology within the study area;
- an assessment of existing and previous land use compiled from an analysis of historical maps, aerial photographs and other archive materials; and
- a ranking of the potential for archaeology of each of the archaeological periods to be found within the site.

This will be delivered in the form of a desk-based study with walkover survey, with the results to include a heritage asset gazetteer.

1.2 Monitoring Arrangements

The archaeological mitigation will be monitored by the Gwynedd archaeological Planning Service (GAPS); the content of this WSI and all subsequent reporting by GAT must be approved by GAPS prior to final issue. GAPS contact details for this project are:

- Tom Fildes | tom.fildes@heneb.co.uk | 07920264232.

1.3 Historic Environment Record

In line with the Gwynedd Historic Environment Record (HER) requirements, the HER will be contacted at the onset of the project to ensure that any data arising is formatted in a manner suitable for accession to the HER and follows the guidance set out in *Guidance for the Submission of Data to the Welsh Historic Environment Records (HERs)* (The Welsh Archaeological Trusts, 2018). The HER will be informed of the project start date, location including grid reference, estimated timescale for the work, and further relevant information associated with the project.

The GAT HER Enquiry Number for this project is **GATHER1708** and the Event PRN is **46305**. The GAT HER will also be responsible for supplying Primary Reference Numbers (PRN) for any new assets identified and recorded.

Prior to submission of data to the HER on completion of the project, a bilingual event summary document will be prepared in *Microsoft Word* based on the format defined in section 4.2 of *Guidance for the Submission of Data to the Welsh Historic Environment Records (HERs)* (Version 1.1).

3 METHODOLOGY

3.1 Assessment (Desktop Study)

A desk-based assessment is defined as “a programme of study of the historic environment within a specified area or site on land, the inter-tidal zone or underwater that addresses agreed research and/or conservation objectives. It consists of an analysis of existing written, graphic, photographic and electronic information in order to identify the likely heritage assets, their interests and significance and the character of the study area, including appropriate consideration of the settings of heritage....Significance is to be judged in a local, regional, national or international context as appropriate” (ClfA 2020, 4).

The assessment will be centred on the two proposed development locations: at NGR SH45905552, the proposed location of a new livestock shed and milking parlour, construction of a silage clamp and dry manure store, internal access road together with associated works, and at NGR SH46045495, the proposed location of two livestock sheds together with associated facilities and milking parlour, creation of landscaping bund, together with associated works. The search area will include 1km buffers around both development areas that will capture all statutory and non-statutory designations.

The desk-based assessment will involve a study of the following resources:

- The regional Historic Environment Record (Gwynedd Archaeological Trust, Craig Beuno, Ffordd y Garth, Bangor, Gwynedd LL57 2RT) will be examined for all statutory and non-statutory designations within the assessment buffers, including statutory designations (including Scheduled Monuments and Listed Buildings) and non-statutory designations (including Primary Reference Numbers). Historic mapping will be examined, including the 25-inch County Series Ordnance Survey maps (Sheets XX.3 and XX.7, editions published in 1889, 1900 and 1918). Any secondary source information held within the HER; this will include previous GAT reporting in the area (e.g., GAT project code G2092 - reports 826, 827, 830, 834, 837 and 907). The Heritage Impact Assessments prepared for both locations by Cadnant Planning will also be consulted (documents 2019.076_04 and 2019.076_05);
- The Royal Commission on the Ancient and Historical Monuments of Wales (Plas Crug, Aberystwyth SY23 1NJ) will be checked for any will be examined for all statutory and non-statutory designations sites additional to the HER (including ;
- Aerial photographs from the National Monuments Record of Wales (Royal Commission on the Ancient and Historical Monuments of Wales, National Monuments

Record of Wales, Plas Crug, Aberystwyth SY23 1NJ) will be examined for potential features. This will include 1946 RAF vertical aerial photographs;

- The online catalogue search of the National Library of Wales (Penglais Rd, Aberystwyth SY23 3BU) will be examined;
- Archive data, including primary and secondary sources, historic maps and estate maps will be examined at the regional archives located at Caernarfon Record Office, Swyddfa'r Cyngor, Caernarfon LL55 1SH. Archive data will include historic mapping such as:
 - the map of Glynllifon Demesne with schedule of lands (1751);
 - the Glynllifon Demesne and Penbryn Bwlan map (1790);
 - the map of park and demesne lands at Glynllifon (1824);
 - Map of Glynllifon Demesne in the parish of Llandwrog (1828-1840); and
 - the Llandwrog Parish Tithe map and schedule (1849), as well as Glynllifon Estate maps.
- Light Detection and Ranging (LiDAR) data will be examined from the Lle Geo-Portal at [Lle - LiDAR Composite Dataset \(gov.wales\)](https://gov.wales/lle-geo-portal) for information on potential surface features using digital terrain modelling and digital surface modelling maps (1m and 2m resolutions are currently available via this portal).

All identified features will be mapped, described and added to a gazetteer of sites and the relative importance of any sites defined.

3.2 Walkover Survey

A walkover survey will be undertaken that will incorporate the assessment study areas, as outlined red in Figures [01](#) and [03](#). The aim will be to visit and record known archaeological assets, including any relevant statutory and non-statutory designations (including Scheduled Monument(s), Listed Buildings, PRNs and NPRNs), potential assets identified from aerial photography and LiDAR. The assets will be mapped and located in advance as part of the desk-based assessment, using a combination of historic and GIS based data; this information will then be used to geo-locate features, which will then be located and described on GAT pro-formas. The sites will then be added a gazetteer and their relative importance defined. Any newly identified assets will also be recorded. Only features that can be safely accessed will be directly recorded. A handheld GPS unit will also be used during the walkover survey. A photographic record will be maintained in RAW format using a digital SLR set to maximum resolution (Nikon D3000; resolution: 3,872 × 2,592 [10.2 effective megapixels]) and photographic metadata table will be completed and included in the report. Photographic images will be archived in TIFF format; the archive numbering system will start from G2743_001. Photographic images will be archived in TIFF format using Adobe Photoshop; the archive numbering system will start from the next sequential number available.

Following the completion of the respective assessment/evaluation stages, archiving will be completed based on following task list:

1. Pro-formas: all cross referenced and complete;
2. Photographic Metadata: completed in *Microsoft Access* and cross-referenced with all pro-formas;

All data will be processed and a report will be produced which will detail and synthesise the results.

3.3 Gazetteer of Features

A gazetteer will be compiled for any existing and newly identified sites, based on information sourced from the desk based assessment and field survey; the gazetteer will be prepared in the following format and will include

Feature Number	
Site name	
PRN number	
Grid reference	
Period	
Site type	
Assessment category	
Description	
Impact	
Recommendation for further assessment/evaluation	
Recommendation for mitigatory measures	

The following categories will be used to define the assessment category of the archaeological asset:

Category A - Sites of National Importance.

Scheduled Monuments, Listed Buildings of grade II* and above, as well as those that would meet the requirements for scheduling (ancient monuments) or listing (buildings) or both. Sites that are scheduled or listed have legal protection, and it is recommended that all Category A sites remain preserved and protected *in situ*.

Category B - Sites of regional or county importance.

Grade II listed buildings and sites which would not fulfil the criteria for scheduling or listing, but which are nevertheless of particular importance within the region. Preservation *in situ* is the preferred option for Category B sites, but if damage or destruction cannot be avoided, appropriate detailed recording might be an acceptable alternative.

Category C - Sites of district or local importance.

Sites which are not of sufficient importance to justify a recommendation for preservation if threatened. Category C sites nevertheless merit adequate recording in advance of damage or destruction.

Category D - Minor and damaged sites.

Sites that are of minor importance or are so badly damaged that too little remains to justify their inclusion in a higher category. For Category D sites, rapid recording, either in advance of or during destruction, should be sufficient.

Category E - Sites needing further investigation.

Sites, the importance of which is as yet undetermined and which will require further work before they can be allocated to categories A - D are temporarily placed in this category, with specific recommendations for further evaluation.

The impact of the proposed works on any asset will be identified using the following impact criteria, defined either as *none, slight, unlikely, likely, significant, considerable or unknown* as follows:

None:

There is no construction impact on this asset.

Slight:

This has generally been used where the impact is marginal and would not by the nature of the site cause irreversible damage to the remainder of the asset, e.g. part of a trackway or field bank.

Unlikely:

This category indicates sites that fall within the band of interest but are unlikely to be directly affected. This includes sites such as standing and occupied buildings at the margins of the band of interest.

Likely:

Sites towards the edges of the study area, which may not be directly affected, but are likely to be damaged in some way by the construction activity.

Significant:

The partial removal of an asset affecting its overall integrity. Assets falling into this category may be linear features such as roads or tramways where the removal of part of the feature could make overall interpretation problematic.

Considerable:

The total removal of an asset or its partial removal which would effectively destroy the remainder of the site.

Unknown:

This is used when the location of the asset is unknown, but thought to be in the vicinity of the proposed works.

3.4 Data Management Plan

Archiving will be completed based on following task list;

1. Pro-formas: all cross referenced and scanned for digital archiving;
2. Photographic Metadata: cross-referenced with all pro-formas and completed in *Microsoft Excel*;

This data will then be used as the basis for the physical and digital dataset archives. Information from these will be used to compile the project report. The physical archive will be stored in a designated project folder and the location confirmed in the Trust project database; the digital dataset will be stored on a dedicated Trust server, with the location confirmed in the Trust project database via a specific hyperlink. External datasets for the HER and RCAHMW are as defined in the dissemination strategy below. De-selected digital data will be confirmed in an updated digital management plan appended to the final report.

A draft report will be submitted within one month of fieldwork completion and a final report will be submitted to the regional Historic Environment Record within six months of project completion. The report will include the following:

1. Front cover;
2. Inner cover;
3. Figures and Plates List;
4. Non-technical summary (Welsh/English);
5. Introduction;
6. Methodology;
 - i. Desk-based assessment;
 - ii. Field survey;
7. Results;
 - a. Desk based assessment;
 - i. Location and geological summary;
 - ii. Statutory and non-statutory designations;
 - iii. Environmental remains and soil morphology;
 - iv. Historical and archaeological background;
 - v. Cartographic evidence;
 - vi. Artefact potential;

- vii. Aerial photographs and LiDAR;
 - b. Field survey;
 - c. Gazetteer of features;
 - 8. Conclusions and recommendations;
 - a. Conclusion;
 - b. Table of sites and recommendations;
 - 9. Acknowledgements;
 - 10. Bibliography;
 - a. Primary sources;
 - b. Secondary sources;
 - 11. Figures; inc.:
 - location plan;
 - historic mapping;
 - location plan with identified features.
 - 12. Plates; inc.
 - Illustrative examples from the field survey
 - 13. Appendix I (approved written scheme of investigation);
 - 14. Appendix II (Sites listed on GAT Historic Environment Record);
 - 15. Appendix III (Definition of mitigation terms);
 - 16. Appendix IV (Photographic metadata - field survey);
- Back cover.

Illustrations will include plans of the location of the study area and archaeological sites. Historical maps, when appropriate and if copyright permissions allow, will be included.

On final approval, the following dissemination and archiving of the report and digital dataset will apply:

- A digital report(s) will be provided to the client and GAPS (draft report then final report);
- A digital report will be provided to the regional Historic Environment Record; this will be submitted within six months of project completion (final report only), along with a digital dataset comprising an Event PRN summary. The report and dataset will be submitted in accordance with the required standards set out in *Guidance for the*

Submission of Data to the Welsh Historic Environment Records (HERs) (Version 1.1);
and

- A digital report and digital archive dataset will be provided to Royal Commission on Ancient and Historic Monuments, Wales (final report only), in accordance with the *RCAHMW Guidelines for Digital Archives Version 1*. The dataset will be prepared in the format required by RCAHMW and will include:
 - Photographic metadata (Microsoft Access);
 - Photographic archive (TIFF format);
 - Project Information form (Excel);
 - File Information form (Excel) – Microsoft Word report text final;
 - File Information form (Excel) – Photographic metadata (general);
 - File Information form (Excel) – Adobe PDF report final; and
 - File Information form (Excel) - Photographic metadata (detail).

3.5 Selection Strategy

As defined in *Standard and guidance for the creation, compilation, transfer and deposition of archaeological archives* (Chartered Institute for Archaeologists, 2020) section 3.3.1, a project specific selection strategy and data management plan should be prepared. In support of this, the Chartered Institute for Archaeologist (CIfA), have stated that it is “widely accepted that not all the records and materials collected or created during the course of an Archaeological Project require preservation in perpetuity. These records and materials constitute the Working Project Archive which will be subject to Selection, in order to establish what will be retained for long-term curation”. The aim of selection is to ensure that all the elements retained from the Working Project Archive for inclusion in the Archaeological Archive are appropriate to establish the significance of the project and support “future research, outreach, engagement, display and learning activities”. Selection should be “focused on selecting what is to be retained to support these future needs, rather than deciding what can be dispersed” and can be qualified by a selection strategy, which details the project-specific selection process, agreed by all parties (including GAPS, client and/or landowner), which will be applied to a Working Project Archive prior to its transfer into curatorial care as the Archaeological Archive.

The selection strategy will be confirmed in the assessment report and will take into account:

- The aims and objectives of the project.
- The brief and/or Written Scheme of Investigation (WSI)).
- The Collecting Institution’s collection policy and/or deposition guidelines.
- Local and regional research frameworks.
- Relevant thematic or period specific research frameworks.
- The project’s Data Management Plan (DMP).
- Internal recording and reporting policies.
- Material-specific guidance documents.

The selection strategy pro-forma is included as [Appendix IV](#).

4 PERSONNEL

The project will be managed by John Roberts, Principal Archaeologist GAT Contracts Section and undertaken by a team of project archaeologists. The project archaeologists will be responsible for the desk based assessment and field survey, as well as Gwynedd Archaeological Planning Service liaison and client liaison. The project archaeologists will be responsible for completing the field survey pro-formas and the archive itemised above. The project archaeologists will also be responsible for submitting a draft final report to the project manager for review and approval. The reports will then be submitted as per the arrangements defined in the data management plan.

5 HEALTH AND SAFETY

The GAT Project Archaeologist(s) will be CSCS certified. Copies of the site specific risk assessment will be supplied to the client prior to the start of the field survey. All GAT staff attending will be issued with required personal safety equipment, including high visibility jacket, steel toe-capped boots and hard hat.

The GAT Project Archaeologist will liaise with Binnies to gain permission to access private land and farms in advance of the site visit of the archaeological assets outlined in section 2.0 of the WSI.

6 SOCIAL MEDIA

One of the key aims in the GAT mission statement is to improve the understanding, conservation and promotion of the historic environment in our area and inform and educate the wider public. To help achieve this, GAT maintains an active social media presence and seeks all opportunities to promote our projects and results. With permission, GAT would like the opportunity to promote our work on this scheme through our social media platforms. This could include social media postings during our attendance on site as well as any postings to highlight results. In all instances, approval will be sought from client prior to any postings.

7 INSURANCE

7.1 Public/Products Liability

Limit of Indemnity- £5,000,000 any one event in respect of Public Liability

INSURER Ecclesiastical Insurance Office Plc.

POLICY TYPE Public Liability

POLICY NUMBER 24765101CHC/UN/000375

EXPIRY DATE 21/06/2023

7.2 Employers Liability

Limit of Indemnity- £10,000,000 any one occurrence.

The cover has been issued on the insurers standard policy form and is subject to their usual terms and conditions. A copy of the policy wording is available on request.

INSURER Ecclesiastical Insurance Office Plc.

POLICY TYPE Employers Liability

POLICY NUMBER 24765101 CHC / UN/000375

EXPIRY DATE 21/06/2023

7.3 Professional Indemnity

Limit of Indemnity- £5,000,000 in respect of each and every claim

INSURER Hiscox Insurance Company Limited

POLICY TYPE Professional Indemnity

POLICY NUMBER PL-PSC10002389775/00

EXPIRY DATE 22/07/2023

8 SOURCES CONSULTED

1. Cadnant Planning Heritage Impact Assessment document 2019.076_04
2. Cadnant Planning Heritage Impact Assessment document 2019.076_05
3. Chartered Institute for Archaeologists, 2014, *Standard and guidance for historic environment desk-based assessment* (Chartered Institute for Archaeologists, 2020);
4. Chartered Institute for Archaeologists, 2014, *Standard and guidance for the collection, documentation, conservation and research of archaeological materials*
5. Chartered Institute for Archaeologists, 2014, *Standard and guidance for the creation, compilation, transfer and deposition of archaeological archives*
6. Chartered Institute for Archaeologists, 2014, *Standard and guidance for the archaeological investigation and recording of standing buildings or structures*
7. English Heritage, 1991, *Management of Archaeological Projects (MAP2)*
8. *Guidance for the Submission of Data to the Welsh Historic Environment Records (HERs)* Version 1.1 (The Welsh Archaeological Trusts, 2018);
9. *Guidelines for digital archives* (Royal Commission on Ancient and Historic Monuments of Wales, 2015);
10. Historic England, 2015, *Management of Research Projects in the Historic Environment (MoRPHE)*
11. Royal Commission on Ancient and Historic Monuments of Wales, 2015, *Guidelines for digital archives*

FIGURE 01

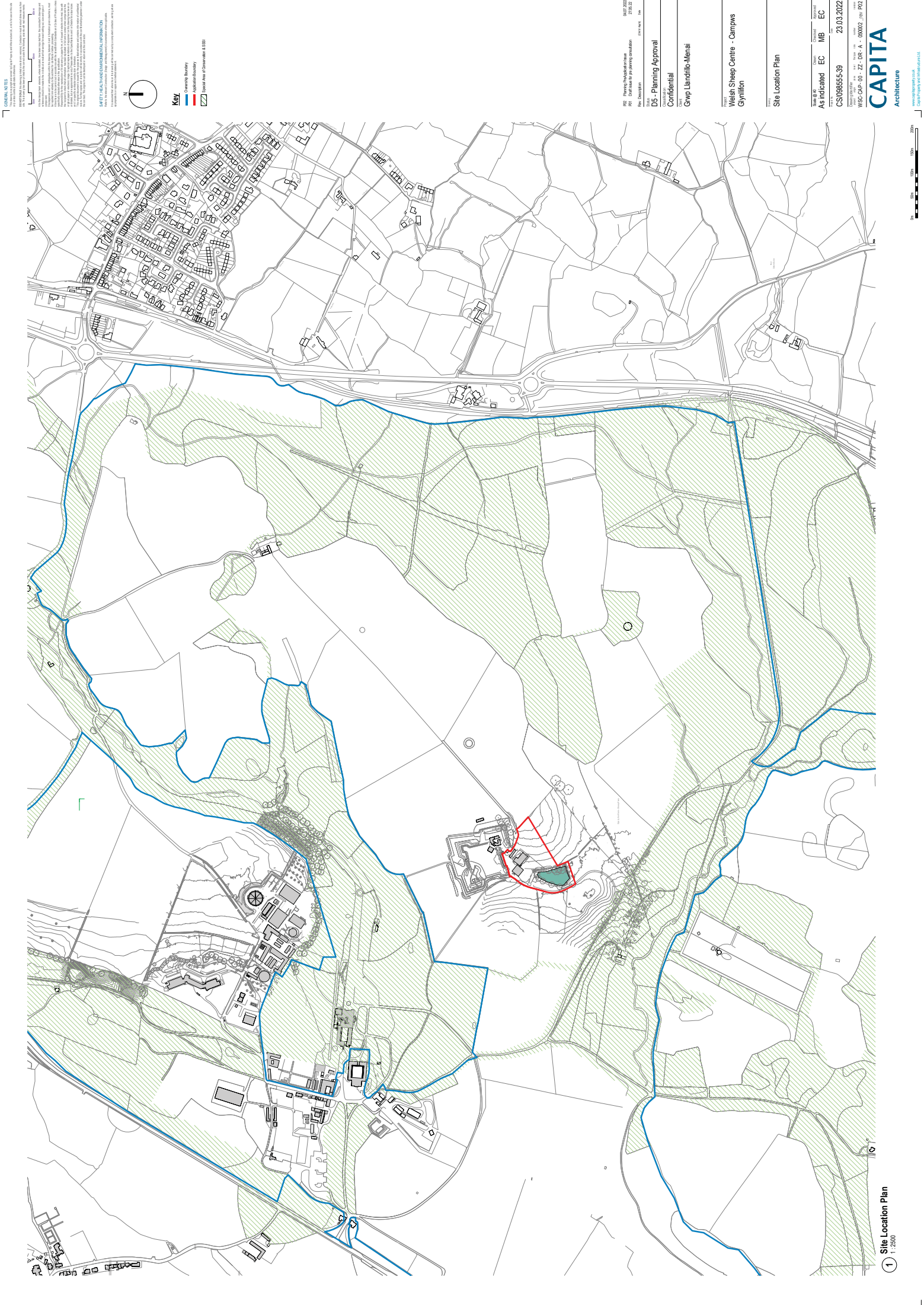
Reproduction of Capita Architecture Drawing No. DDP-CAP-00_ZZ-DR-A-050001_rev P02 with location of proposed Dairy Shed development area highlighted in red.

Dairy Farm and Shed: Existing and proposed overall site plan (Source: Source: Cadnant Planning Heritage Impact Assessment document 2019.076_04)

Dairy Farm and Shed: Existing and proposed overall site plan (Source: Source: Cadnant Planning Heritage Impact Assessment document 2019.076_04)

FIGURE 03

Reproduction of Capita Architecture Drawing No. WSC-CAP-00_ZZ-DR-A-050002_rev P02 with location of proposed Sheep Farm development area highlighted in red.



GENERAL NOTES

1. This plan is a site location plan and is not a detailed site plan. It is intended to show the location of the proposed development within the context of the surrounding landscape.

2. The proposed development is shown in red on the map.

3. The map is based on Ordnance Survey data and is not a guarantee of accuracy.

4. The map is for information only and is not a legal document.

5. The map is not to be used for any other purpose without the written consent of the author.

SAFETY & HEALTH ENVIRONMENTAL INFORMATION

1. The proposed development is located in a rural area and is not expected to have any significant impact on the environment.

2. The proposed development is not expected to cause any significant noise or vibration.

3. The proposed development is not expected to cause any significant air pollution.

4. The proposed development is not expected to cause any significant water pollution.

5. The proposed development is not expected to cause any significant impact on the local community.

Key

- Proposed Development
- Existing Buildings
- Proposed Access
- Proposed Boundary
- Proposed Area of Contamination & SSI

Site Location Plan

1:2500

Project Information

Project Name: Welsh Sheep Centre - Campws Gynliffon

Project Location: Gwynedd, North Wales

Project Status: Planning Approval

Project Date: 23.03.2022

Client Information

Client Name: CAPITA Architecture

Client Address: 100 High Street, London, UK

Client Contact: 020 7123 4567

Document Information

Document Title: Site Location Plan

Document Number: CS098555-39

Document Date: 23.03.2022

Document Version: 1.0

Other Information

WSD-04P-00-ZZ-DR-A-00002 - Rev. P02

WSD-04P-00-ZZ-DR-A-00002 - Rev. P02

Page Information

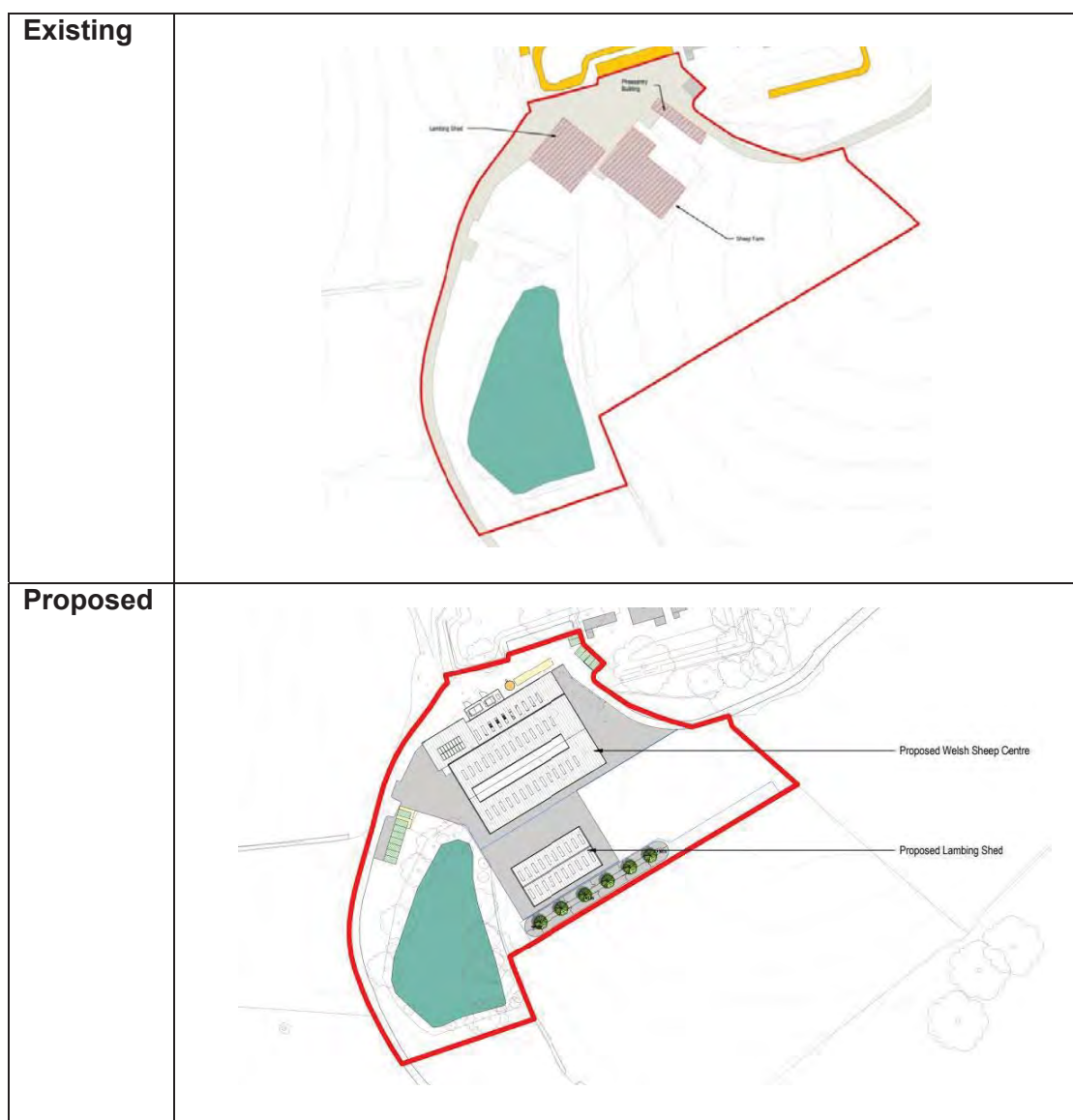
Page Number: 1

Page Title: Site Location Plan

Page Date: 23.03.2022

FIGURE 04

Dairy Farm and Shed: Existing and proposed overall site plan (Source: Cadnant Planning Heritage Impact Assessment document 2019.076_05)



APPENDIX I

Gwynedd Archaeological Trust basic recording pro-forma

YMDDIRIEDOLAETH ARCHAEOLEGOL GWYNEDD ARCHAEOLOGICAL TRUST		
BASIC RECORDING FORM	Project name	Project number
Feature name		Feature Number
NGR		
Description		
<div></div>		
Recommendations for further assessment		
<div></div>		
Photographic record numbers		
Digital		
	Visit date	Visit by

APPENDIX II

Gwynedd Archaeological Trust photographic metadata pro-forma

Digital Photographic Record

Include main context numbers for each shot, drawing numbers for sections and any other relevant numbers for cross referencing. Delete any unwanted photos **immediately** from the camera. Regularly upload photographs to computer.

[illegible]

APPENDIX III

Gwynedd Archaeological Trust Selection Strategy

G2743_Glynllifon

12/09/2022 v1.0

Selection Strategy

Project Information

Project Management

Project Manager	John Roberts john.roberts@heneb.co.uk	
Archaeological Archive Manager	John Roberts john.roberts@heneb.co.uk	
Organisation	Gwynedd Archaeological Trust	
Stakeholders		Date Contacted
Collecting Institution(s)	GAT Historic Environment Record	07/09/2022
	RCAHMW	On completion of Project Archive
Project Assurance	Tom Fildes, Gwynedd Archaeological Planning Service	05/09/2022
Landowner / Developer	Glynllifon College Farm	n/a

Resources

Resources required

Describe the resources required to implement this Selection Strategy, particularly if unusual resources are required.

No unusual resources required outside of GAT normal operating equipment and personnel.

Context

Describe below the context of this Selection Strategy. You should refer to:

- The aims and objectives of the project;
- Local Authority guidance (including the brief);
- Research Frameworks;
- The repository collection development policy and/or deposition policy;
- Material-specific guidance documents.

Note: This section may be copied from your Project Design/WSI to ensure all Stakeholders receive this

context information.

The full aims and objectives of this project are detailed in the project specific WSI.

Gwynedd Archaeological Trust (GAT) has been commissioned by Grŵp Llandrillo Menai to undertake an archaeological desk-based assessment at Glynllifon College Farm, Ffordd Clynnog, Llandwrog, Gwynedd (NGR SH45555536; post code LL54 5DU) in advanced of two proposed developments. The proposed developments include:

- Proposed Dairy Farm and Shed: located at NGR SH45905552; works to include: demolition of the existing dairy farm building and cow shed, removal of two existing slurry tanks, erection of a new livestock shed and milking parlour, construction of a silage clamp and dry manure store, internal access road together with associated works (WSI Figure 01). The proposed dairy farm building will be 70.5m x 47.5m, and be 9.1m to the ridge and 4.5m to the eaves; the rotary parlour shed would measure 20.5m x 50m, with a height of 6.9m to the ridge and 4m to the eaves (WSI Figure 02). The proposed buildings will be modern purpose-built agricultural buildings that incorporate traditional materials such as stone to reflect the historic setting of the site's location on the elevation facing the historic farmyard. The development area includes eleven listed buildings (Grade II) and an adjacent Scheduled Monument; and
- Proposed Sheep Farm and Centre: located at NGR SH46045495; works to include: demolition of existing lambing and sheep sheds and erection of two livestock sheds together with associated facilities and milking parlour, creation of landscaping bund, together with associated works (WSI Figure 02). The sheep centre would measure 43m x 56m, providing a floorspace of 2,105sqm with a height of 8.4m to the ridge and 4.7m to the eaves. The lambing/lamb rearing shed would measure 16m x 30m, providing a floorspace of 480sqm, with a height of 6.5m to the ridge and 5m to the eaves. The proposed new buildings will be modern purpose building agricultural buildings, but will incorporate traditional materials such as stone to reflect the historic setting of the application site. There are seven Grade II* Listed Buildings in proximity to the site.

The developments are located within areas that formerly belonged to the Glynllifon Estate, which was established by the Wynn family and developed extensively during the eighteenth and nineteenth century. The development areas are now part of Glynllifon College Farm, whilst Plas Glynllifon, located to the northwest, is under separate ownership. The desk-based assessment aims to examine the archaeological potential at each location, including the buildings proposed for demolition.

Gwynedd Archaeological Trust. 2022. Tywyn Aberffraw, Ynys Mon: Written Scheme of Investigation for Archaeological Watching Brief. Project (G2742).

1 – Digital Data

Stakeholders

Name the individual(s) responsible for the Digital Data Selection decisions (i.e. Archaeological Archive Manager, Project Manager, Collections Curator).

John Roberts (GAT Principal Archaeologist)

Selection

Location of Data Management Plan (DMP)

Selection of digital data elements should be considered in your project's DMP. For the purpose of the Selection Strategy, you can either copy the selection section of your DMP below, or attach it as an appendix to this document. Please indicate here if the DMP is attached.

All digital data will be collected, stored and selected in lines with the Gwynedd Archaeological Trust (GAT) Data Management Plan located on GAT's servers (available on request).

The selection strategy in your DMP should:

- 1.1 Define what digital data will be selected for inclusion in the archaeological archive, how this will be done, and why. Do not forget to consider that specialists may have digital data that should be included in the archaeological archive.
- 1.2 Identify the selection review points during the project (i.e. project planning, data gathering, analysis and reporting and archive compilation).
- 1.3 Reference all relevant standards, policies or guidelines (e.g. digital repository deposition requirements) and specialist advice sought.
- 1.4 Identify any selection decisions that differ from standard guidelines and explain why.

Following the completion of the fieldwork, a working project archive will be created based on following task list;

1. Pro-formas: all cross referenced and complete;
2. Photographic Metadata: completed in *Microsoft Access* and cross-referenced with all pro-formas;

All relevant site archive data will be added to a digital project register specific to this project, which will be prepared in *Microsoft Excel*.

This data will then be used as the basis for the physical and digital dataset archives. Information from these will be used to compile the project report. The physical archive will be stored in a designated project folder and the location confirmed in the Trust project database; the digital dataset will be stored on a dedicated Trust server, with the location confirmed in the Trust project database via a specific hyperlink. External datasets for the HER and RCAHMW are as defined in the dissemination strategy below. De-selected digital data will be confirmed in an updated digital management plan appended to the final report

De-Selected Digital Data

The procedure for dealing with De-selected digital data and what specialist advice informed this process should be recorded in your DMP. Please copy this information here or attach your DMP as an appendix to this document.

It is envisaged that the de-selected material will be retained on the GAT servers for 2 years

following the completion of the project at which point they will be reviewed and deleted as necessary in line with the GAT DMP.

Amendments

Detail any amendments to the above selection strategy here.

Date	Amendment	Rationale	Stakeholders

2 – Documents

Stakeholders

Name the individual(s) responsible for the Documents Selection decisions (i.e. Archaeological Archive Manager, Project Manager, Repository Representative).

John Roberts – Principal Archaeologist, Gwynedd Archaeological Trust;
Sean Derby – Historic Environment Record, Gwynedd Archaeological Trust;
Gareth Edwards, *Head of Knowledge and Understanding, RCAHMW*

Selection

Describe your Selection Strategy for the Documents elements of the archaeological archive. To do this you must:

- 2.1 Define which documents will be selected for inclusion in the archaeological archive, how this will be done, and why. Do not forget to consider that specialists may have documents that should be included in the archaeological archive.
- 2.2 Identify the selection review points during the project (e.g. project planning, data gathering, analysis and reporting and archive compilation).
- 2.3 Reference all relevant standards, policies or guidelines (e.g. digital repository deposition requirements) and specialist advice sought.
- 2.4 Identify any selection decisions that differ from standard guidelines and explain why.

- A digital report will be provided to the regional Historic Environment Record; this will be submitted within six months of project completion (final report only), along with a digital dataset comprising an Event PRN summary. The report and dataset will be submitted in accordance with the required standards set out in *Guidance for the Submission of Data to the Welsh Historic Environment Records (HERs)* (Version 1.1); and
- A digital report and digital archive dataset will be provided to Royal Commission on Ancient and Historic Monuments, Wales (final report only), in accordance with the *RCAHMW Guidelines for Digital Archives Version 1*. The dataset will be prepared in the format required by RCAHMW and will include:
 - Photographic metadata (Microsoft Access);
 - Photographic archive (TIFF format);
 - Project Information form (Excel);
 - File Information form (Excel) – Microsoft Word report text final;
 - File Information form (Excel) – Photographic metadata (general);
 - File Information form (Excel) – Adobe PDF report final; and
 - File Information form (Excel) - Photographic metadata (detail).

De-Selected Documents

Describe the procedure for dealing with De-selected material and what specialist advice has informed this procedure.

It is envisaged that the material de-selected from inclusion in the preserved archive will be duplicates or reproductions created during the analysis phase of the project. De-selected material will therefore either be retained to supplement GAT's research files or recycled.

Amendments

Detail any amendments to the above selection strategy here.

Date	Amendment	Rationale	Stakeholders

APPENDIX II

Gwynedd Archaeological Trust Photographic Archive

PHOTO RECORD NUMBER	PRN	ASSET NUMBER	NGR	SITE SUB-DIVISION	DESCRIPTION	VIEW FROM	SCALE	CREATOR OF DIGITAL PHOTO	DATE OF CREATION OF DIGITAL PHOTO	ORIGINATING ORGANISATION	PLATE
G2743_01	12904	10	SH45775557	Dairy Farm	View of Bronze Age standing stone (scheduled monument Cn356) located to a slurry store scheduled for demolition	SW	1x1m	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	16
G2743_02	12904	10	SH45775557	Dairy Farm	View of Bronze Age standing stone (scheduled monument Cn356) located to a slurry store scheduled for demolition	NW	1x1m	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	17
G2743_03	12904	10	SH45775557	Dairy Farm	Close up view of Bronze Age standing stone (scheduled monument Cn356) showing close proximity to slurry stone tra	NE	not used	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	18
G2743_04	not assigned	7	SH45555536	Dairy Farm	View of nineteenth century boundary wall within proximity to the slurry tank	E	1x1m	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	11
G2743_05	68982	7	SH45815554	Dairy Farm	View of nineteenth century boundary wall from the other end with attached wooden pole in the background.	NE	1x1m	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	12

PHOTO RECORD NUMBER	PRN	ASSET NUMBER	NGR	SITE SUB-DIVISION	DESCRIPTION	VIEW FROM	SCALE	CREATOR OF DIGITAL PHOTO	DATE OF CREATION OF DIGITAL PHOTO	ORIGINATING ORGANISATION	PLATE
G2743_06	68982	7 & 168	SH45815554	Dairy Farm	Arched entranceway (Listed Building Grade II 20478) and farm building range (Listed Building Grade II 20494)	NW	1x1m	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	27
G2743_07	68982	7	SH45815554	Dairy Farm	View of slate divided pens of northeast parallel range, with entrance in the background	N	1x1m	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	13
G2743_08	68981	7	SH45805552	Dairy Farm	View of entrance into parallel farm ranges (Listed Building Grade II 20494)	NE	1x1m	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	14
G2743_09	11362	8	SH45835553	Dairy Farm	View of L-shaped range (Listed Building Grade II 20495)	N	1x1m	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	15
G2743_10	11362	6	SH45835553	Dairy Farm	View of barn (Listed Building Grade II 20493)	SW	1x1m	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	9
G2743_11	68983	6	SH45835556	Dairy Farm	View of rear of barn (Listed Building Grade II 20493)	NE	1x1m	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	10
G2743_12	68983	5	SH45835556	Dairy Farm	View of north range building and yard (Listed Building Grade II 20496)	N	1x1m	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	7
G2743_13	68984 & 63985	5	SH4555536	Dairy Farm	View of other side of north range building and yard (Listed Building Grade II 20496)	W	1x1m	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	8

PHOTO RECORD NUMBER	PRN	ASSET NUMBER	NGR	SITE SUB-DIVISION	DESCRIPTION	VIEW FROM	SCALE	CREATOR OF DIGITAL PHOTO	DATE OF CREATION OF DIGITAL PHOTO	ORIGINATING ORGANISATION	PLATE
G2743_14	68987	1 & 2	SH45855553	Dairy Farm	Former farm office (Listed Building Grade II 20487), with range (Listed Building Grade II 20488)	W	1x1m	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	2
G2743_15	68985	4	SH45885556	Dairy Farm	View of parallel barns (Listed Building Grade II 20491)	N	1x1m	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	4
G2743_16	68986	1	SH45875553	Dairy Farm	View of ranges (Listed Building Grade II 20488)	N	1x1m	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	1
G2743_17	68987	3	SH45855553	Dairy Farm	View of cartsheds (Listed Building Grade II 20489)	SW	1x1m	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	3
G2743_18	68980	4	SH45835550	Dairy Farm	View of parallel barns (Listed Building Grade II 20491)	SW	1x1m	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	5
G2743_19	68979	17	SH45855550	Dairy Farm	View of cowhouse (Listed Building Grade II 20492)	N	1x1m	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	19
G2743_20	68979	18	SH45855550	Dairy Farm	View of dovecote (Listed Building Grade II 20490)	N	1x1m	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	20
G2743_21	68979	18	SH45855550	Dairy Farm	View of graffiti of geese on northeast face gable end of dovecote (Listed Building Grade II 20490)	NE	not used	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	21

PHOTO RECORD NUMBER	PRN	ASSET NUMBER	NGR	SITE SUB-DIVISION	DESCRIPTION	VIEW FROM	SCALE	CREATOR OF DIGITAL PHOTO	DATE OF CREATION OF DIGITAL PHOTO	ORIGINATING ORGANISATION	PLATE
G2743_22	68979	18	SH45855550	Dairy Farm	Close-up view of graffiti of geese on northeast face gable end of dovecote (Listed Building Grade II 20490)	NE	not used	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	22
G2743_23	68979	18	SH45855550	Dairy Farm	View of dovecote (Listed Building Grade II 20490)	NW	not used	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	23
G2743_24	68979	18	SH45855550	Dairy Farm	View of interior of dovecote (Listed Building Grade II 20490)	SE	not used	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	24
G2743_25	68979	18	SH45855550	Dairy Farm	View inside roofspace of graffiti of geese on northeast face gable end of dovecote (Listed Building Grade II 20490)	NW	not used	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	25
G2743_26	68979	18	SH45855550	Dairy Farm	View of ranges at western end of dovecote (Listed Building Grade II 20490)	W	1x1m	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	26
G2743_27	68985	1 & 3	SH45885556	Dairy Farm	View of ranges (Listed Building Grade II 20488) and cowsheds (Listed Building Grade II 20489) located alongside building to be demolished	NE	1x1m	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	6
G2743_28	not assigned	240 & 241	SH45915553	Dairy Farm	View of slurry tank and barn to be demolished; located against listed buildings	SE	not used	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	29

PHOTO RECORD NUMBER	PRN	ASSET NUMBER	NGR	SITE SUB-DIVISION	DESCRIPTION	VIEW FROM	SCALE	CREATOR OF DIGITAL PHOTO	DATE OF CREATION OF DIGITAL PHOTO	ORIGINATING ORGANISATION	PLATE
G2743_29	not assigned	240 & 241	SH45915553	Dairy Farm	View of slurry tank and barn to be demolished; located against listed buildings	S	not used	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	30
G2743_30	not assigned	240 & 243	SH45915553	Dairy Farm	View of two barns proposed for demolition	SE	1x1m	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	31
G2743_31	not assigned	n/a	SH45555536	Dairy Farm	Overgrown field in southeast area of development; unable to ascertain if any archaeological features are present due to overgrowth	SW	1x1m	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	
G2743_32	not assigned	n/a	SH46005560	Dairy Farm	Field at north point of development area	N	not used	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	
G2743_33	68979	241 & 18	SH45855550	Dairy Farm	View of proximity of slurry tank to dovecote (Listed Building Grade II 20490)	N	not used	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	28
G2743_34	not assigned	n/a	SH45555536	Dairy Farm	Field where trial trenching was conducted in 2010	S	1x1m	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	
G2743_35	not assigned	199	SH45555536	Sheep Farm	View of outer wall of Fort Williamsburg (Listed Building Grade II 20467)	S	1x1m	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	32
G2743_36	5768	200	SH46005500	Sheep Farm	Approximate location of axe hammer findspot (NGR SH4655)	S	1x1m	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	34

PHOTO RECORD NUMBER	PRN	ASSET NUMBER	NGR	SITE SUB-DIVISION	DESCRIPTION	VIEW FROM	SCALE	CREATOR OF DIGITAL PHOTO	DATE OF CREATION OF DIGITAL PHOTO	ORIGINATING ORGANISATION	PLATE
G2743_37	not assigned	239	SH46055501	Sheep Farm	View of farm building to be demolished, including pheasantry	N	1x1m	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	35
G2743_38	not assigned	239	SH46055501	Sheep Farm	View of pheasantry with original stonework on left and brickwork on right	NW	not used	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	36
G2743_39	not assigned	239	SH46055501	Sheep Farm	White plaster interior of pheasantry along left with bricks and windows on right	W	1x1m	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	37
G2743_40	not assigned	239	SH46055501	Sheep Farm	Original exterior along northeast edge of pheasantry	N	1x1m	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	38
G2743_41	not assigned	239	SH46055501	Sheep Farm	View of nineteenth century pheasantry wooden door with bolt decoration and iron handle	NE	1x1m	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	39
G2743_42	not assigned	239	SH46055501	Sheep Farm	View of original pheasantry stone walling against twentieth century brickwork	S	1x1m	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	40
G2743_43	not assigned	244	SH46045499	Sheep Farm	Further view of sheep barns and pens to be demolished	E	1x1m	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	44
G2743_44	not assigned	239	SH46055501	Sheep Farm	View of possible small accommodation attached to pheasantry	NE	1x1m	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	41

PHOTO RECORD NUMBER	PRN	ASSET NUMBER	NGR	SITE SUB-DIVISION	DESCRIPTION	VIEW FROM	SCALE	CREATOR OF DIGITAL PHOTO	DATE OF CREATION OF DIGITAL PHOTO	ORIGINATING ORGANISATION	PLATE
G2743_45	not assigned	239	SH46055501	Sheep Farm	View of surround of former fire range in pheasantry; very overgrown	N	not used	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	42
G2743_46	not assigned	239	SH46055501	Sheep Farm	View of slate kerb stones lying in line to pheasantry entrance - 2.97m	NW	1x1m	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	43
G2743_47	not assigned	246	SH46105500	Sheep Farm	Earth mound in adjoining field for development area; possible clearance cairn	E	1x1m	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	45
G2743_48	not assigned	n/a	SH46105300	Sheep Farm	Gravelled trackway with stone possibly used for gate/fencing	SW	1x1m	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	
G2743_49	not assigned	n/a	SH46105300	Sheep Farm	Close-up view of stone with circular depression for possible gate	SW	1x1m	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	
G2743_50	not assigned	n/a	SH46105300	Sheep Farm	View of field within development area; at south end	S	1x1m	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	
G2743_51	not assigned	247	SH45555536	Sheep Farm	Relict field boundary within development area in between south-southwest field and SSSI area	NE	1x1m	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	46
G2743_52	not assigned	199	SH45555536	Sheep Farm	Arched voussoir entrance into Fort Williamsburg	SW	1x1m	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	33

PHOTO RECORD NUMBER	PRN	ASSET NUMBER	NGR	SITE SUB- DIVISION	DESCRIPTION	VIEW FROM	SCALE	CREATOR OF DIGITAL PHOTO	DATE OF CREATION OF DIGITAL PHOTO	ORIGINATING ORGANISATION	PLATE
G2743_53	not assigned	n/a	SH4555536	Sheep Farm	Potential cover photograph	W	not used	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	
G2743_54	not assigned	n/a	SH4555536	Sheep Farm	View of entrance into development area for sheep farm	N	1x1m	Bethan Jones	16/09/2022	Gwynedd Archaeological Trust	

APPENDIX III

Statutory Archaeological Assets and Non-Statutory Archaeological Assets Located Within The 1km Search Area

Asset Number	PRN	NPRN	Sitename	NGR	Status	Status Reference	Status Grade	Class	Site type	Period	Evidence	Summary
1	68985	0	Ranges, College Farm, Glynllifon	SH4588155560	Listed Building	20488	II	Agriculture & Subsistence	Farm Building	Post Medieval	Building	Probable mid-19th century parallel ranges.
2	68984	0	Farm Office, Former, College Farm, Glynllifon	SH4586955562	Listed Building	20487	II	Agriculture & Subsistence	Office	Post Medieval	Building	A probable mid-19th century former farm office.
3	68986	0	Cartsheds, College Farm, Glynllifon	SH4587755537	Listed Building	20489	II	Agriculture & Subsistence	Cart Shed; Farm Building	Post Medieval	Building	Probable mid-19th century cart sheds with attached ranges.
4	68987	0	Barns, College Farm, Glynllifon	SH4585555535	Listed Building	20491	II	Agriculture & Subsistence	Hay Barn	Post Medieval	Building	Probable 19th century barns.
5	68983	0	North Range, College Farm, Glynllifon	SH4583555564	Listed Building	20496	II	Agriculture & Subsistence	Farm Building	Post Medieval	Building	A probable mid-19th century range.
6	11362	0	Barn, College Farm, Glynllifon	SH4583455538	Listed Building	20493	II	Agriculture & Subsistence	Farm	Post Medieval	Building	Grade II Listed Tall Barn at College Farm. Dated to possibly 1852 though may be older. Included with other buildings in group value at College Farm.
7	68982	0	Ranges, College Farm, Glynllifon	SH4581355548	Listed Building	20494	II	Agriculture & Subsistence	Farm Building	Post Medieval	Building	Probable mid-19th century parallel ranges.
8	68981	0	Range, College Farm, Glynllifon	SH4580755529	Listed Building	20495	II	Agriculture & Subsistence	Farm Building	Post Medieval	Building	A probable mid-19th century range.
9	62490	0	Glynllifon, Conservation Area	SH4578355528	Conservation Area	GLYNLLIFON		Unassigned	Landscape	Multiperiod		Glynllifon - designated a Conservation Area by Gwynedd Council
10	12904	309943	Standing Stone, Glynllifon	SH4577155574	Scheduled Monument	CN356		Religious, Ritual & Funerary	Standing Stone	Bronze Age	Structure	
11	97041	0	Tree Boles / Pits, Glynllifon	SH4585155599	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Unassigned	Pit	Post Medieval	Earthwork; Geophysical Evidence	Tree boles & pits associated with a field boundary.
12	97040	0	Field Boundary, Possible, Glynllifon	SH4585355609	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Monument (By Form)	Field Boundary	Post Medieval	Geophysical Evidence	A possible field boundary of early 18th century date.
13	97050	0	Pits, Possible, Glynllifon	SH4585455629	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Monument (By Form); Unassigned	Natural Feature; Pit	Unknown	Geophysical Evidence	Possible pits or natural features.
14	97034	0	Field Boundary, Glynllifon	SH4590055614	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Monument (By Form)	Field Boundary	Post Medieval	Geophysical Evidence	An early 18th century field boundary.
15	97054	0	Oval Features, Glynllifon	SH4593255644	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Unassigned	Archaeological Feature	Unknown	Geophysical Evidence	Small oval features of unknown date or origin.
16	97032	0	Field Boundary, Glynllifon	SH4591755691	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Monument (By Form)	Field Boundary	Post Medieval	Geophysical Evidence	An early 18th century field boundary.
17	68980	0	Cowhouse, Former, College Farm, Glynllifon	SH4583455506	Listed Building	20492	II	Agriculture & Subsistence	Cow House	Post Medieval	Building	A probable mid-19th century cowhouse.
18	68979	0	Dovecote & Range, College Farm, Glynllifon	SH4585355502	Listed Building	20490	II	Agriculture & Subsistence	Farm Building	Post Medieval	Building	A 19th century dovecote & range.
19	97042	0	Ditch, Glynllifon	SH4595855699	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Monument (By Form)	Ditch	Post Medieval	Geophysical Evidence	A ditch of early 18th century date.
20	97033	0	Field Boundary, Glynllifon	SH4597355712	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Monument (By Form)	Field Boundary	Post Medieval	Geophysical Evidence	An early 18th century field boundary.
21	97052	0	Oval Feature, Glynllifon	SH4598555731	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Unassigned	Archaeological Feature	Unknown	Geophysical Evidence	A small oval feature of unknown date or origin.
22	97051	0	Oval Feature, Glynllifon	SH4594955752	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Unassigned	Archaeological Feature	Unknown	Geophysical Evidence	A small oval feature of unknown date or origin.

Asset Number	PRN	NPRN	Sitename	NGR	Status	Status Reference	Status Grade	Class	Site type	Period	Evidence	Summary
23	97035	0	Field Boundary, Glynllifon	SH4590555753	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Monument (By Form)	Field Boundary	Post Medieval	Geophysical Evidence	An early 18th century field boundary.
24	97053	0	Oval Feature, Glynllifon	SH4588055678	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Unassigned	Archaeological Feature	Unknown	Geophysical Evidence	A small oval feature of unknown date or origin.
25	97049	0	Pits, Possible, Glynllifon	SH4586655697	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Monument (By Form); Unassigned	Natural Feature; Pit	Unknown	Geophysical Evidence	Possible pits or natural features.
26	97036	0	Field Boundary, Glynllifon	SH4585255693	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Monument (By Form)	Field Boundary	Post Medieval	Earthwork; Geophysical Evidence	An early 18th century field boundary.
27	97046	0	Ditch, Glynllifon	SH4585955758	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Monument (By Form)	Feature	Unknown	Earthwork; Geophysical Evidence	A drainage ditch.
28	97045	0	Field Drains, Glynllifon	SH4580555696	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Monument (By Form)	Ditch	Post Medieval	Earthwork; Geophysical Evidence	Two field drains.
29	97059	0	Drainage ditches, Glynllifon	SH4581955732	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Water Supply & Drainage	Drainage Ditch	Unknown	Earthwork	Drainage ditches.
30	97043	0	Ditch, Possible, Glynllifon	SH4578455702	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Monument (By Form)	Ditch	Unknown	Geophysical Evidence	A possible ditch of uncertain date.
31	97060	0	Field Drains, Glynllifon	SH4578955718	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Water Supply & Drainage	Field Drain	Unknown	Earthwork	Field drains.
32	97037	0	Field Boundary, Glynllifon	SH4579455727	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Monument (By Form)	Field Boundary	Post Medieval	Geophysical Evidence	An early 18th century field boundary.
33	97058	0	Field Drains, Glynllifon	SH4578855748	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Water Supply & Drainage	Field Drain	Unknown	Earthwork	Field drains.
34	97056	0	Tree bole, Glynllifon	SH4581155772	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Unassigned	Pit	Unknown	Earthwork	A tree bole.
35	97057	0	Drainage Ditch, Glynllifon	SH4576255771	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Water Supply & Drainage	Drainage Ditch	Unknown	Earthwork	A drainage ditch.
36	97048	0	Pits, Possible, Glynllifon	SH4573155720	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Monument (By Form); Unassigned	Natural Feature; Pit	Unknown	Geophysical Evidence	Possible pits or natural features.
37	97038	0	Field Boundary, Possible, Glynllifon	SH4575855695	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Monument (By Form)	Field Boundary	Post Medieval	Geophysical Evidence	A possible field boundary of early 18th century date.
38	97055	0	Field Drain, Glynllifon	SH4578255644	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Water Supply & Drainage	Drain	Post Medieval	Structure	A post medieval field drain.
39	97039	0	Field Boundary, Possible, Glynllifon	SH4579355627	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Monument (By Form)	Field Boundary	Post Medieval	Geophysical Evidence	A possible field boundary of early 18th century date.
40	97061	0	Field Drain, Glynllifon	SH4578255629	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Water Supply & Drainage	Field Drain	Unknown	Earthwork	Field drain.
41	97044	0	Ditch, Possible, Glynllifon	SH4574155647	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Monument (By Form)	Ditch	Unknown	Geophysical Evidence	A possible ditch of uncertain date.
42	97047	0	Pits, Possible, Glynllifon	SH4572555661	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Monument (By Form); Unassigned	Natural Feature; Pit	Unknown	Geophysical Evidence	Possible pits or natural features.
43	31006	0	Plantation, Glynllifon	SH45685570	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Agriculture & Subsistence	Plantation	Modern	Landscape	

Asset Number	PRN	NPRN	Sitename	NGR	Status	Status Reference	Status Grade	Class	Site type	Period	Evidence	Summary
44	64093	0	Fountain pool including iron pipe in Coed y Terrace wood south-west of the Farm	SH4578455481	Listed Building	20503	II	Gardens, Parks & Urban Spaces	Fountain	Post Medieval		A post medieval fountain pool.
45	64140	0	Footbridge over Afon Llifon to east of house	SH4581855347	Listed Building	20471	II	Transport	Bridge	Post Medieval		A footbridge dated 1826.
46	25825	0	Weir III, Glynllifon	SH45845534	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I		Weir			
47	11173	0	Mill Folly Grotto, Glynllifon	SH4589055320	Listed Building	20472	II	Gardens, Parks & Urban Spaces	Grotto	Post Medieval	Structure	
48	25826	0	Weir IV, Glynllifon	SH45905533	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I		Weir			
49	25828	405556	Icehouses, Glynllifon	SH4591155307	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Gardens, Parks & Urban Spaces	Icehouse			
50	64100	0	Western Cavern north of the path near main east vista fountain	SH4591755381	Listed Building	20486	II	Monument	Cave	Post Medieval		An early 19th century garden feature.
51	64109	0	Ionic Column on former East Drive	SH4595355405	Listed Building	20499	II	Gardens, Parks & Urban Spaces	Column	Post Medieval		A 19th century garden feature.
52	64154	0	Eastern Cavern north of the path near main east vista fountain	SH4596555378	Listed Building	20485	II	Monument	Cave	Post Medieval		A garden feature.
53	64102	0	Fountain at end of east vista	SH4597055353	Listed Building	20476	II	Gardens, Parks & Urban Spaces	Fountain	Post Medieval		A 19th century garden feature.
54	64115	0	Cascade at Glynllifon	SH4597255332	Listed Building	20474	II	Water Supply & Drainage	Cascade	Post Medieval		An early 19th century garden feature.
55	25827	0	Weir V, Glynllifon	SH45995535	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I		Weir			
56	11380	0	Pleasure Grounds, Glynllifon	SH46045540	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Gardens, Parks & Urban Spaces	Pleasure Garden	Post Medieval	Structure	
57	64166	0	Stone Footbridge to north-east of the Fountain at the end of the vista	SH4608855438	Listed Building	20475	II	Transport	Footbridge	Post Medieval		A post medieval bridge.
58	25829	0	Weir VI, Glynllifon	SH46095545	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I		Weir			
59	11189	0	P&y & Leats, Glynllifon	SH46185535	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Industrial	Fulling Mill	Post Medieval	Ruined Building	
60	64131	0	Iron Footbridge over Afon Llifon	SH4615255535	Listed Building	20477	II	Transport	Bridge	Post Medieval		A footbridge dated 1840.
61	64163	0	Pair of Stone Bridges beside Iron Bridge & below Hermitage	SH4616855538	Listed Building	20500	II	Transport	Bridge	Post Medieval		A pair of post medieval bridges.
62	64111	0	Hermitage	SH4620555533	Listed Building	20480	II	Gardens, Parks & Urban Spaces	Folly	Post Medieval		An early 19th century folly.
63	64136	0	Rubble Footbridge below the Hermitage	SH4621455520	Listed Building	20479	II	Transport	Footbridge	Post Medieval		A post medieval bridge.
64	64146	0	Rubble Footbridge uphill from Hermitage	SH4625455524	Listed Building	20501	II	Transport	Footbridge	Post Medieval		A post medieval bridge.

Asset Number	PRN	NPRN	Sitename	NGR	Status	Status Reference	Status Grade	Class	Site type	Period	Evidence	Summary
65	25830	0	Two Footbridges, Glynllifon	SH46195565	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I		Footbridges			
66	64161	0	Cave on south-east side of Afon Llifon approximately 190m south-west of the bridge over East Drive	SH4625055796	Listed Building	20484	II	Monument	Cave	Post Medieval		An early 19th century garden feature.
67	64135	0	Rubble Footbridge between Iron footbridge & Cave	SH4626155809	Listed Building	20502	II	Transport	Footbridge	Post Medieval		A post medieval bridge.
68	64130	0	Iron Footbridge approximately 150m south-west of the high bridge over the East Drive	SH4626455843	Listed Building	20481	II	Transport	Bridge	Post Medieval		A footbridge dated 1840.
69	64175	0	Stone Bridge carrying East Drive over Afon Llifon immediately north of one of the iron footbridges	SH4628755862	Listed Building	20482	II	Transport	Bridge	Post Medieval		A post medieval bridge.
70	25824	0	Old Quarry, Glynllifon	SH46335594	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I		Quarry			
71	25831	0	Footbridge II, Glynllifon	SH46355592	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I		Footbridge			
72	64122	0	High Bridge carrying road over East Drive & Afon Llifon	SH4637055942	Listed Building	20483	II	Transport	Bridge	Post Medieval		A 19th century bridge.
73	31013	0	Small Quarry, Glynllifon	SH4574855836	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Industrial	Quarry	Post Medieval	Earthwork	
74	25834	0	Quarry, Glynllifon	SH4576955880	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Industrial	Quarry	Post Medieval	Documentary Evidence; Earthwork	
75	31008	0	Drain, Glynllifon	SH4578855898	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Water Supply & Drainage	Drain	Post Medieval	Earthwork	
76	31012	0	Trackway, Glynllifon	SH4577455961	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Transport	Trackway	Post Medieval	Earthwork	
77	31011	0	Quarry, Glynllifon	SH4579055987	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Industrial	Quarry	Post Medieval	Earthwork	
78	31010	0	Stone Bridge, Glynllifon	SH4576755994	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Transport	Bridge	Post Medieval	Structure	
79	31009	0	Boat House, Glynllifon	SH4575456030	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Gardens, Parks & Urban Spaces	Boat House	Post Medieval	Building	
80	24118	0	Agricultural Medal, Findspot, Glynllifon	SH459561	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Object	Findspot	Post Medieval	Find	
81	17823	0	Roman Road, Proposed, Segontium to Nefyn	SH4550355922	Historic Landscape of Wales	HLW (Gw) 9 / HLCA 36		Transport	Road	Roman	Documentary Evidence	
82	64176	0	North Lodge	SH4576256196	Listed Building	22446	II	Domestic	Lodge	Post Medieval		A mid-19th century lodge.

Asset Number	PRN	NPRN	Sitename	NGR	Status	Status Reference	Status Grade	Class	Site type	Period	Evidence	Summary
83	56962	0	Pond, E of Hen Efail	SH4566256170	Historic Landscape of Wales	HLW (Gw) 9 / HLCA 36		Water Supply & Drainage	Pond	Post Medieval		
84	64123	0	Cottage/outbuilding at Tan-y-groeslon	SH4566356209	Listed Building	22426	II	Domestic	Cottage	Post Medieval		A cottage shown on the 1840 Tithe Map.
85	64097	303832	Tan-y-groeslon	SH4566956223	Listed Building	22424	II	Domestic	House	Post Medieval		A farmhouse built between 1860 & 1870.
86	64134	0	Nos.3 & 4 Ffrwd	SH4562256155	Listed Building	22425	II	Domestic	House	Post Medieval		A post medieval cottage.
87	0	6918	BWLAN WELSH CALVINISTIC METHODIST CHAPEL, LLANDWROG	SH45635637	Historic Landscape of Wales	HLW (Gw) 9 / HLCA 36		Religious Ritual & Funerary	Chapel	Post Medieval		
88	5530	302391	Enclosure, Bwlan Farm, NE of Llandwrog	SH45485632	Historic Landscape of Wales	HLW (Gw) 9 / HLCA 36		Monument	Enclosure	Prehistoric	Earthwork	
89	15735	0	Arfon Plateau, Landscape	SH4590156371	Historic Landscape of Wales	HLW (Gw) 9 / HLCA 36		Unassigned	Landscape	Multiperiod		
90	56972	0	Building, W of Glyn-irwch	SH4591656529	Historic Landscape of Wales	HLW (Gw) 9 / HLCA 36		Unassigned	Building	Post Medieval		
91	56971	0	Glyn-irwch Farmstead, Glyn-irwch, SE of Cae-fridd	SH4596756533	Historic Landscape of Wales	HLW (Gw) 9 / HLCA 36		Agriculture & Subsistence	Farmstead	Post Medieval		
92	56973	0	Enclosure, E of Glyn-irwch	SH4608856569	Historic Landscape of Wales	HLW (Gw) 9 / HLCA 36		Monument	Enclosure	Post Medieval		
93	64145	301955	Nos. 1 & 2 Penrallt	SH4656756170	Listed Building	22433	II	Domestic	House	Post Medieval		Cottages dating to the 1870s.
94	64133	0	Washouses to Nos. 1 & 2 Penrallt	SH4655856181	Listed Building	22438	II	Domestic	House	Post Medieval		A wash house.
95	64155	0	East Lodge	SH4665456097	Listed Building	22445	II	Domestic	Lodge	Post Medieval		A post medieval lodge.
96	64116	301426	No.1 (Sea View)	SH4515756137	Listed Building	22420	II	Domestic	House	Post Medieval		A post medieval house.
97	64113	301428	No.3	SH4515356128	Listed Building	22422	II	Domestic	House	Post Medieval		A post medieval house.
98	64105	301427	No.2 (Tir Iarll)	SH4514856120	Listed Building	22421	II	Domestic	House	Post Medieval		A post medieval house.
99	64120	304816	Vestry Cottage & Former Vestry	SH4514056105	Listed Building	22423	II	Domestic	House	Post Medieval		A post medieval cottage.
100	64117	32595	Horse Drinking Trough	SH4512256112	Listed Building	22428	II	Agriculture & Subsistence	Trough	Post Medieval		A 19th century drinking trough.
101	68977	26353	No. 5 The Crescent, Llandwrog	SH4511556112	Listed Building	3778	II	Domestic	House	Post Medieval	Building	A mid-19th century house.
102	68976	26353	No. 4 The Crescent, Llandwrog	SH4510756112	Listed Building	3777	II	Domestic	House	Post Medieval	Building	A mid-19th century house.
103	68975	26353	No. 3 The Crescent, Llandwrog	SH4510256109	Listed Building	3776	II	Domestic	House	Post Medieval	Building	A mid-19th century house.
104	15704	401152	Llandwrog Landscape, Llandwrog	SH451561	Historic Landscape of Wales	HLW (Gw) 9 / HLCA 5		Unassigned	Landscape	Multiperiod	Landscape	
105	68974	26353	No. 2 The Crescent, Llandwrog	SH4509456104	Listed Building	3775	II	Domestic	House	Post Medieval	Building	A mid-19th century house.
106	12097	404759	No. 1 The Crescent, Llandwrog	SH4508956097	Listed Building	3774	II	Domestic	House	Post Medieval	Building	Grade II Listed House in Llandwrog. Listed as a striking piece of estate village.
107	68978	26263	No. 2 Church Cottage, Llandwrog	SH4507956090	Listed Building	3773	II	Domestic	Cottage	Post Medieval	Building	A cottage built in 1850.

Asset Number	PRN	NPRN	Sitename	NGR	Status	Status Reference	Status Grade	Class	Site type	Period	Evidence	Summary
108	12043	26263	No. 1 Church Cottage, Llandwrog	SH4507556081	Listed Building	3772	II	Domestic	Cottage	Post Medieval	Building	Grade II Listed Cottage built in 1850 with extensive C20 additions. Listed for their important part in the Victorian Estate Village.
109	64165	0	Lych-gate & churchyard wall at the Church of St Twrog	SH4509056071	Listed Building	22418	II*	Religious, Ritual & Funerary	Lych Gate	Post Medieval		A post medieval lych gate & churchyard wall.
110	64151	0	Sundial at the Church of St Twrog	SH4509256077	Listed Building	22416	II	Gardens, Parks & Urban Spaces	Sundial	Post Medieval		A 18th century sundial.
111	6966	301810	St. Twrog's Church, Llandwrog	SH4512256077	Listed Building	22417	II*	Religious, Ritual & Funerary	Church	Post Medieval	Building	Llandwrog parish church is dedicated to St Twrog & located in the diocese of Bangor. The present church was constructed between 1858 & 1864 on the site of the medieval church it replaced. The stone-walled churchyard is curvilinear in form & is
112	97577	0	Pigsty, TyGŏŏn Llan	SH4507756047	Conservation Area	LLANDWROG		Agriculture & Subsistence	Pigsty	Post Medieval	Building	Former pigsty at the rear of TyGŏŏn Llan.
113	12201	26595	Harp Inn, Llandwrog	SH4509056050	Listed Building	3685	II	Commercial	Building	Post Medieval	Building	
114	11990	26170	Cae'r Eglwys, Llandwrog	SH4513356047	Listed Building	3779	II	Domestic	Building	Post Medieval	Building	
115	12646	32221	Llandwrog, Water Trough	SH4512056031	Listed Building	22427	II	Water Supply & Drainage	Conduit	Medieval	Structure	
116	11450	16810	Rose Cottage, Llandwrog	SH4513556027	Listed Building	3780	II	Domestic	Building	Post Medieval	Building	
117	80266	0	No. 3, Tai'r Ysgol, Llandwrog	SH4511556020	Listed Building	3783	II	Domestic	Cottage	Post Medieval	Building	A grade II listed cottage.
118	0	16830	1-3 SCHOOL COTTAGES, LLANDWROG	SH4511756013	Conservation Area	LLANDWROG		Domestic	Estate Cottage	Post Medieval		
119	80265	0	No. 2, Tai'r Ysgol, Llandwrog	SH4511756014	Listed Building	3782	II	Domestic	Cottage	Post Medieval	Building	A grade II listed cottage.
120	11463	0	No. 1, Tai'r Ysgol, Llandwrog	SH4511756006	Listed Building	3781	II	Domestic	Building	Post Medieval	Building	
121	64096	301410	Ysgol Llandwrog	SH4517056030	Listed Building	22406	II	Domestic	House	Post Medieval		A school built in the 1850s.
122	62489	0	Llandwrog, Conservation Area	SH4520256006	Conservation Area	LLANDWROG		Unassigned	Landscape	Multiperiod		Llandwrog - designated a Conservation Area by Gwynedd Council
123	64126	0	Cemetery Walls & Gates, Llandwrog	SH4520156002	Listed Building	22408	II	Religious, Ritual & Funerary	Wall	Post Medieval		Mid-19th century walls & gates .
124	68973	26173	6 Caer Llwyn Cottages, Llandwrog	SH4513155920	Listed Building	3789	II	Domestic	Cottage	Post Medieval	Building	A cottage built in the 1830s.
125	68972	26173	5 Caer Llwyn Cottages, Llandwrog	SH4513355910	Listed Building	3788	II	Domestic	Cottage	Post Medieval	Building	A cottage built in the 1830s.
126	68971	26173	4 Caer Llwyn Cottages, Llandwrog	SH4513455902	Listed Building	3787	II	Domestic	Cottage	Post Medieval	Building	A cottage built in the 1830s.
127	68970	26173	3 Caer Llwyn Cottages, Llandwrog	SH4513455893	Listed Building	3786	II	Domestic	Cottage	Post Medieval	Building	A cottage shown on the 1840 Tithe map.
128	68969	26173	2 Caer Llwyn Cottages, Llandwrog	SH4513555886	Listed Building	3785	II	Domestic	Cottage	Post Medieval	Building	A cottage shown on the 1840 Tithe map.

Asset Number	PRN	NPRN	Sitename	NGR	Status	Status Reference	Status Grade	Class	Site type	Period	Evidence	Summary
129	11991	26173	1 Caer Llwyn Cottages, Llandwrog	SH4513655875	Listed Building	3784	II	Domestic	Cottage	Post Medieval	Building	A Grade II Listed Cottage. An early example of estate rural housing. An important part of the estate village.
130	96633	0	Various Objects, Findspot, Llandwrog	SH4502055814	Historic Landscape of Wales	HLW (Gw) 9 / HLCA 36		Monument (By Form)	Findspot	Post Medieval	Unstratified Find	A collection of post medieval - modern finds.
131	0	409101	LLANDWROG, DEFENDED ENCLOSURE	SH450558	Historic Landscape of Wales	HLW (Gw) 9 / HLCA 36		Defence	Defended Enclosure	Prehistoric		
132	64107	404152	Ty Rardd	SH4537655553	Listed Building	20461	II	Domestic	House	Post Medieval		A post medieval house.
133	64099	0	Western pair of walled former Kitchen Gardens at Glynllifon	SH4548455521	Listed Building	20458	II	Gardens, Parks & Urban Spaces	Kitchen Garden	Post Medieval		A 19th century pair of kitchen gardens.
134	12577	31381	Workshops, Parc Glynllifon	SH4546955447	Listed Building	20459	II	Industrial	Workshop	Post Medieval		
135	64157	0	Engine House & Chimney adjoining Workshops	SH4547255449	Listed Building	20460	II	Industrial	Engine House	Post Medieval		A post medieval engine house & chimney.
136	5499	0	Former Gas Works & Smithy, Parc Glynllifon	SH4549555445	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Domestic	Gas Works	Post Medieval	Building	
137	64137	0	Machinery Workshops to north-west of Stables at Glynllifon	SH4552855426	Listed Building	20456	II	Industrial	Workshop	Post Medieval		A post medieval workshop.
138	64094	0	Gardener's Cottage & attached archway to south of Kitchen Gardens	SH4555955437	Listed Building	20455	II	Domestic	House	Post Medieval		A post medieval cottage.
139	64160	0	Eastern Walled Kitchen Garden	SH4555855426	Listed Building	20457	II	Gardens, Parks & Urban Spaces	Wall	Post Medieval		An early 19th century walled garden.
140	64177	0	Palm House including former Eagle House	SH4556755418	Listed Building	20454	II	Domestic	House	Post Medieval		A post medieval house.
141	64124	0	Inner arched entrance to courtyard between Palm House & Workshops	SH4555555407	Listed Building	20453	II	Domestic	Arch	Post Medieval		A post medieval arched entrance.
142	64171	0	L-shaped screen wall adjoining stables & workshops at west end of service drive to kitchen court	SH4556155400	Listed Building	20448	II	Domestic	Wall	Post Medieval		A mid-19th century screen wall.
143	64139	0	Footbridge over service drive to west of Glynllifon House	SH4558655391	Listed Building	20450	II	Transport	Bridge	Post Medieval		A footbridge dated 1840.
144	64178	0	Rubble-walled trackway to north of service drive to west of Glynllifon House	SH4559155402	Listed Building	20452	II	Transport	Trackway	Post Medieval		A probable mid-19th century trackway.
145	64174	0	Rubble-walled rear service drive to west of Glynllifon House	SH4559555385	Listed Building	20449	II	Transport	Drive	Post Medieval		A post medieval drive.
146	12576	31380	Glynllifon Courtyard, Stables	SH4556255359	Listed Building	20447	II*	Agriculture & Subsistence	Stable	Post Medieval		A post medieval stable.

Asset Number	PRN	NPRN	Sitename	NGR	Status	Status Reference	Status Grade	Class	Site type	Period	Evidence	Summary
147	64127	0	Fountain Pool to east of Stable Courtyard	SH4561355361	Listed Building	20451	II	Gardens, Parks & Urban Spaces	Fountain	Post Medieval		A mid-19th century fountain.
148	64091	0	Fountain near south-west corner of Glynllifon House	SH4563255368	Listed Building	20498	II	Gardens, Parks & Urban Spaces	Fountain	Post Medieval		A post medieval fountain.
149	64164	0	Sluice, two sluice houses & linking footbridge adjacent to Children's Mill	SH4558755329	Listed Building	20441	II	Domestic	Sluice	Post Medieval		Mid-19th century sluice, sluice houses & linking footbridge.
150	64132	0	Children's Mill or Boat House	SH4558855311	Listed Building	20440	II	Domestic	Boat House	Post Medieval		A 19th century house.
151	64103	23774	Bridge over Afon Llifon to south of Glynllifon House	SH4564955327	Listed Building	20438	II	Transport	Bridge	Post Medieval		A bridge over the Afon Llifon.
152	64106	23774	Bridge over Afon Llifon to south-east of Glynllifon House	SH4571455314	Listed Building	3790	II	Transport	Bridge	Post Medieval		A bridge over the Afon Llifon.
153	1436	26526	Plas Glynllifon, Llandwrog	SH45685538	Listed Building	3684	I	Domestic	House	Post Medieval	Building	Glynllifon lies towards the west coast of Gwynedd in a 19th-century park. The house is listed grade I & other features in the park are also listed: the stables, entrance arch & two lodges & Fort Williamsburg are grade II* while there are many oth
154	64110	0	Fountain Pool adjacent to east side of house	SH4572255379	Listed Building	20439	II	Gardens, Parks & Urban Spaces	Fountain	Post Medieval		A 19th century garden feature.
155	5769	0	Axe-hammer, Findspot, Nr. Glynllifon	SH457554	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Object	Findspot	Prehistoric	Find	
156	64170	0	Sundial to rear of Glynllifon House	SH4570355417	Listed Building	20463	II	Gardens, Parks & Urban Spaces	Sundial	Post Medieval		A 19th century sundial.
157	64173	0	Stone-walled leat adjoining north-east side of Watermill at Glynllifon	SH4551855295	Listed Building	20444	II	Water Supply & Drainage	Leat	Post Medieval		A leat.
158	64125	406301	Watermill, Melin Glanyrafon	SH4551255312	Listed Building	20443	II	Industrial	Water Mill	Post Medieval		A 19th century watermill.
159	30330	0	Stone Bridge E of Watermill, Glynllifon	SH4551355335	Listed Building	20442	II	Transport	Bridge	Post Medieval	Structure	
160	30482	0	Part of Afon Llifon, Glynllifon	SH45495532	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Water Supply & Drainage	Watercourse	Post Medieval	Landscape	
161	30481	0	Stone Bridge W of Watermill, Glynllifon	SH4548455307	Listed Building	20445	II	Transport	Bridge	Post Medieval	Structure	
162	64101	403747	Hay-barn to south of Watermill	SH4548355265	Listed Building	20446	II	Agriculture & Subsistence	Hay Barn	Post Medieval		A mid to late 19th century barn shown on the Ordnance Survey 1st Edition map.
163	30483	0	Footbridge, Glynllifon	SH4545455273	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Transport	Footbridge	Post Medieval	Structure	
164	5529	0	Standing Stone (Possible), Glynllifon Park	SH454445530	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Agriculture & Subsistence; Religious, Ritual &	Rubbing Stone; Standing Stone	Post Medieval; Prehistoric	Structure	
165	30491	0	Drainage Channel, Glynllifon	SH4537255346	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Water Supply & Drainage	Drainage Channel	Unknown	Earthwork	

Asset Number	PRN	NPRN	Sitename	NGR	Status	Status Reference	Status Grade	Class	Site type	Period	Evidence	Summary
166	30494	0	Bettws, Former Site Of, Glynllifon	SH4528055418	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Domestic	House	Post Medieval	Documentary Evidence	
167	30493	0	Lodge, Former Site Of, Glynllifon	SH4526855381	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Gardens, Parks & Urban Spaces	Gate Lodge	Post Medieval	Documentary Evidence	
168	12575	31379	Glynllifon, Entrance Arch & Lodge	SH4523055380	Listed Building	20478	II*	Gardens, Parks & Urban Spaces	Gate Lodge	Post Medieval	Building	
169	30486	0	Curved Driveway, Glynllifon	SH45245535	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Transport	Drive	Post Medieval	Earthwork	
170	30495	0	Mature Trees, Glynllifon	SH45295530	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Gardens, Parks & Urban Spaces	Tree	Post Medieval	Botanical Feature	
171	30490	0	Drainage Channel, Glynllifon	SH4534455297	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Water Supply & Drainage	Drainage Channel	Unknown	Earthwork	
172	30492	0	Channel, Glynllifon	SH4536155288	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Water Supply & Drainage	Water Channel	Unknown	Earthwork	
173	30424	0	Path, Possible, Glynllifon	SH4534355279	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Transport	Path	Unknown	Earthwork	
174	30484	0	Weir, Glynllifon	SH4540355229	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Water Supply & Drainage	Weir	Post Medieval	Structure	
175	30488	0	Pond, Possible, Glynllifon	SH4530155234	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Gardens, Parks & Urban Spaces	Pond	Unknown	Earthwork	
176	31001	0	Paddocks, Glynllifon	SH4517955288	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Agriculture & Subsistence	Paddock	Modern	Structure	
177	30487	0	Scarp, Glynllifon	SH4528755210	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Gardens, Parks & Urban Spaces	Bank (Earthwork)	Post Medieval	Earthwork	
178	30485	0	Bridge, Glynllifon	SH4535255133	Listed Building	20462	II	Transport	Bridge	Post Medieval	Structure	
179	2266	32202	Ffynnon Edliw Holy Well, SE of Bodfan	SH44915539	Historic Landscape of Wales	HLW (Gw) 9 / HLCA 36		Religious, Ritual & Funerary	Holy Well	Unknown	Structure	
180	11262	0	Estate Wall, Glynllifon	SH4506055180	Listed Building	22898	II	Gardens, Parks & Urban Spaces	Estate Wall	Post Medieval	Structure	A post medieval boundary wall.
181	31002	0	Trackway, Glynllifon	SH4506655160	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Transport	Trackway	Post Medieval	Earthwork	
182	31004	0	Ditch, Glynllifon	SH4512255056	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Monument	Ditch	Unknown	Earthwork	
183	31003	0	Paddocks, Glynllifon	SH4512255056	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Agriculture & Subsistence	Paddock	Post Medieval	Structure	
184	31005	0	Plantation, Glynllifon	SH45005505	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Agriculture & Subsistence	Plantation	Post Medieval	Landscape	
185	0	408655	PLAS NEWYDD, EARTHWORKS TO NORTH OF	SH45265478	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Agriculture & Subsistence	Earthwork, Trackway	Unknown		
186	11228	0	Building Foundations, Glynllifon	SH45265481	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Unassigned	Building	Unknown	Ruined Building	
187	25833	0	Fountain II, Glynllifon	SH45455474	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I		Fountain			

Asset Number	PRN	NPRN	Sitename	NGR	Status	Status Reference	Status Grade	Class	Site type	Period	Evidence	Summary
188	11232	0	Bridge, Glynllifon	SH45635472	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Transport	Bridge	Post Medieval	Structure	
189	81710	408656	Relict Field System, Glynllifon	SH45525504	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Agriculture & Subsistence	Field System	Unknown	Earthwork	Relict field system visible on modern aerial photographs.
190	64167	0	Cromlech	SH4571255200	Listed Building	20497	II	Gardens, Parks & Urban Spaces	Folly	Post Medieval		A post medieval cromlech.
191	15709	86377	Glynllifon Demesne, Landscape	SH45905515	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Unassigned	Landscape	Multiperiod		
192	68989	0	Magazine, Fort Williamsburg, Glynllifon	SH4599255103	Listed Building	20465	II*	Defence	Magazine	Post Medieval	Building	A magazine at Fort Williamsburg. Part of an 18th century private fortification in Britain.
193	68988	0	Tower, Fort Williamsburg, Glynllifon	SH4599755099	Listed Building	3791	II*	Defence	Tower	Post Medieval	Building	A tower at Fort Williamsburg. Part of an 18th century private fortification in Britain.
194	68990	0	Tunnel Passage, Fort Williamsburg, Glynllifon	SH4601855099	Listed Building	20466	II*	Defence	Tunnel	Post Medieval	Building	A tunnel passage at Fort Williamsburg. Part of an 18th century private fortification in Britain.
195	68991	0	Gatehouse, Fort Williamsburg, Glynllifon	SH4604455112	Listed Building	20468	II*	Defence	Gatehouse	Post Medieval	Building	A gatehouse at Fort Williamsburg. Part of an 18th century private fortification in Britain.
196	954	26460	Fort Williamsburg, Glynllifon	SH4603955071	Listed Building	Multiple	II*	Defence	Fort	Post Medieval	Building	Grade II* Listed Fort. Built by Sir Thomas John Wynn in 1761. Roughley Two Storey Horse shoe shaped Barracks. Listed in Group Value with rest of the Fort as an example of C18 private fortification.
197	68992	0	Armoury, Fort Williamsburg, Glynllifon	SH4606755061	Listed Building	20469	II*	Defence	Armoury	Post Medieval	Building	An armoury at Fort Williamsburg. Part of an 18th century private fortification in Britain.
198	81798	0	Barracks, Fort Williamsburg, Glynllifon	SH4608055054	Listed Building	20470	II*	Domestic	Barracks	Post Medieval	Building	Two Storey Horse shoe shaped Barracks.
199	0	0	Outer Defensive Wall to Fort Williamsburg	SH4607155020	Listed Building	20467	II*	Defence	Wall	Post Medieval	Extant Structure	
200	5768	0	Axe Hammer, Findspot, Glynllifon Park	SH4655	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Object	Findspot	Prehistoric	Find	
201	4412	700294	Parc Glynllifon, Penygroes	SH4596054997	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Gardens, Parks & Urban Spaces	Garden	Post Medieval	Landscape	
202	32599	308973	Glynllifon Reservoir	SH46295512	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Water Supply & Drainage	Reservoir	Post-Medieval		
203	0	401184	EARTHWORKS OF TREE-CLUMPS IN GLYNLLIFON PARK	SH4607954801	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Gardens Parks & Urban Spaces	Tree Ring	Post Medieval		
204	11227	0	Barn, Waun Y Gorlan, Glynllifon	SH45975475	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Agriculture & Subsistence	Barn	Post Medieval	Building	
205	80852	0	Coed-y-Kennel, Caernarfon	SH4584154764	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Domestic	House	Unknown	Documentary Evidence	Coed-y-Kennel is marked on the Ordnance Survey first edition map of 1889.

Asset Number	PRN	NPRN	Sitename	NGR	Status	Status Reference	Status Grade	Class	Site type	Period	Evidence	Summary
206	0	400537	PWLL CRWN; SUMMERHOUSE IN THE NURSERY, GLYNLLIFON PARK	SH4583554548	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Gardens Parks & Urban Spaces	Summerhouse	Post Medieval		
207	64112	0	The Nursery	SH4582054490	Listed Building	22444	II	Gardens, Parks & Urban Spaces	Nursery Garden	Post Medieval		A 19th century tree nursery.
208	26238	0	Sheepfold, N of Wood Cottage	SH4545954391	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Agriculture & Subsistence	Sheepfold	Modern	Documentary Evidence	
209	64104	0	Wood Cottage	SH4539554207	Listed Building	22443	II	Domestic	House	Post Medieval		A cottage built around 1850.
210	11217	0	Remains of Building/Sheepfold, Glynllifon	SH46185460	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Agriculture & Subsistence	Building	Unknown	Structure	
211	11230	0	Gate, Glynllifon	SH46205459	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Monument	Gate	Post Medieval	Structure	
212	25820	0	Weir & Pond, Ty'n y Parc-mawr	SH4615454508	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Water Supply & Drainage	Pond	Unknown	Documentary Evidence	
213	11249	401379	Hendre, Glynllifon	SH46075426	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Domestic	Cottage	Post Medieval	Building	
214	25821	0	Weir II, Glynllifon	SH46295438	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I		Weir			
215	25822	0	Gravel Pit, Glynllifon	SH46305431	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I		Gravel Pit			
216	90297	0	Tomb, near, Glynllifon Park	SH4629354236	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Religious Ritual & Funerary	Tomb	Not Known	Documentary Evidence	The approximate site of a tomb.
217	25823	0	Boathouse, Glynllifon	SH4634054231	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Gardens, Parks & Urban Spaces	Boat House	Post Medieval	Documentary Evidence	
218	92293	0	Building & Enclosure, North-East of Penbryn Mawr	SH4633654040	Historic Landscape of Wales	HLW (Gw) 9 / HLCA 34		Monument (By Form); Unassigned	Building; Enclosure	Unknown	Documentary Evidence	A building & enclosure.
219	15733	0	Lleuar, Landscape	SH4614454043	Historic Landscape of Wales	HLW (Gw) 9 / HLCA 34		Unassigned	Landscape	Multiperiod		
220	93579	0	Coin & Ring, Findspot, Llanllyfni	SH4611853944	Historic Landscape of Wales	HLW (Gw) 9 / HLCA 34		Monument (By Form)	Findspot	Medieval; Modern	Unstratified Find	The findspot of a medieval coin & modern ring.
221	581	15160	Hut Group, E of Penbryn-Mawr	SH46155390	Historic Landscape of Wales	HLW (Gw) 9 / HLCA 34		Domestic	Hut Circle Settlement	Unknown	Earthwork	
222	92287	0	Barn/Stable, Penbryn Mawr	SH4601153886	Listed Building	23716	II	Agriculture & Subsistence	Barn	Post Medieval	Documentary Evidence	A barn/stable shown on the 1840 Tithe Map.
223	92289	0	Penbryn Mawr, Llanllyfni	SH4597753895	Listed Building	23715	II	Domestic	House	Post Medieval	Building	A farmhouse shown on the 1840 Tithe Map.
224	2353	0	Grooved Stone Maul, Findspot, Penbryn-mawr	SH45975389	Historic Landscape of Wales	HLW (Gw) 9 / HLCA 34		Object	Findspot	Prehistoric	Find	
225	92291	0	Horse-Gin, Possible, Site of, Llanllyfni	SH4596653893	Historic Landscape of Wales	HLW (Gw) 9 / HLCA 34		Industrial	Horse Engine	Post Medieval	Documentary Evidence	A possible horse gin.
226	12906	400844	Standing Stone, Penbryn Mawr	SH45985388	Scheduled Monument	CN373		Religious, Ritual & Funerary	Standing Stone	Bronze Age	Structure	

Asset Number	PRN	NPRN	Sitename	NGR	Status	Status Reference	Status Grade	Class	Site type	Period	Evidence	Summary
227	0	408654	GLYNLLIFON PARK, EARTHWORKS OF RELICT FIELD SYSTEM WEST OF NEWBOROUGH MAUSOLEUM	SH46415464	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Agriculture & Subsistence	Field System	Medieval, Prehistoric		
228	31239	0	Tree Avenue, Glynllifon	SH4665154460	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Gardens, Parks & Urban Spaces	Tree Avenue	Post Medieval	Documentary Evidence	Tree avenue marked on the Ordnance Survey first edition map of 1889.
229	25832	0	Lodge & Gate, Glynllifon	SH4701554522	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Domestic	Gate Lodge	Post Medieval	Building	
230	983	23010	The Newborough Mausoleum, Glynllifon	SH4656354751	Listed Building	20464	II	Religious, Ritual & Funerary	Mausoleum	Post Medieval	Building	
231	64159	0	Boundary Wall, Glynllifon Park	SH4704654777	Listed Building	5924	II	Domestic	Boundary Wall	Post Medieval		A post medieval boundary wall.
232	0	308976	LLWYN-Y-COGAU, SETTLEMENT	SH46525509	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Unassigned	Settlement	Unknown		
233	17555	0	Part of Roman Road, Segontium to Pen Llystyn to Tomen y Mur	SH4711954990	Historic Landscape of Wales	HLW (Gw) 9 / HLCA 34		Transport	Road	Roman	Documentary Evidence	
234	20005	308071	Inigo Jones Slate Works, Groeslon	SH47075510	Historic Landscape of Wales	HLW (Gw) 9 / HLCA 34		Industrial	Slate Quarry	Post Medieval		
235	58793	0	Turnpike Road from Llanwnda to Llanllyfni	SH4709055192	Historic Landscape of Wales	HLW (Gw) 9 / HLCA 34		Transport	Toll Road	Post Medieval	Documentary Evidence	Turnpike Road from Llanwnda to Llanllyfni created following an extension of the Caernarvonshire Turnpike Trust powers by an Act of Parliament of 1810.
236	17554	0	Part of Roman Road, Segontium to Pen Llystyn to Tomen y Mur	SH4708855213	Historic Landscape of Wales	HLW (Gw) 9 / HLCA 34		Transport	Road	Roman	Documentary Evidence	
237	64168	308974	Former reservoir on hill to north-east of Fort Williamsburg	SH4655855349	Listed Building	20473	II	Water Supply & Drainage	Reservoir	Post Medieval		A post medieval former reservoir.
238	11195	0	Tyddyn Gwion, Glynllifon	SH46745556	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Agriculture & Subsistence	Farm	Post Medieval	Building	
239	0	0	Pheasantry (Sheep Farm)	SH46055501	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Agriculture & Subsistence	Farm	Post Medieval	Building	Stone and brick built rectangular building
240	0	0	Agricultural Barn Large (Dairy Farm)	SH45915553	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Agriculture & Subsistence	Farm	Post Medieval	Building	Modern corrugated iron structure
241	0	0	Slurry Tank small (Dairy Farm)	SH45885550	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Agriculture & Subsistence	Farm	Post Medieval	Building	Modern structure
242	0	0	Slurry Tank large (Dairy Farm)	SH45795556	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Agriculture & Subsistence	Farm	Post Medieval	Building	Modern structure
243	0	0	Agricultural Barn Small (Dairy Farm)	SH45935556	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Agriculture & Subsistence	Farm	Post Medieval	Building	Modern structure
244	0	0	Sheep Farm (Sheep Farm)	SH46045499	Registered Parks & Gardens	PGW (Gd) 39 (GWY)	I	Agriculture & Subsistence	Farm	Post Medieval	Building	Modern corrugated iron structure

Asset Number	PRN	NPRN	Sitename	NGR	Status	Status Reference	Status Grade	Class	Site type	Period	Evidence	Summary
245	0	0	Lambing Shed (Sheep Farm)	SH46015499	Registered Parks And Gardens	PGW (Gd) 39 (GWY)	I	Agriculture & Subsistence	Farm	Post Medieval	Building	Modern corrugated iron structure
246	0	0	Mound (Sheep Farm)	SH46105500	Registered Parks And Gardens	PGW (Gd) 39 (GWY)	I	Unknown	Farm	Unknown	Feature	
247	0	0	Field Boundary (Sheep Farm)	SH46005490	Registered Parks And Gardens	PGW (Gd) 39 (GWY)	I	Agriculture & Subsistence	Farm	Post Medieval	Boundary	

APPENDIX IV

Gwynedd Archaeological Trust Selection Strategy

G2743_Glynllifon

06/10/2022 v2.0

Selection Strategy

Project Information

Project Management

Project Manager	John Roberts john.roberts @heneb.co.uk	
Archaeological Archive Manager	John Roberts john.roberts @heneb.co.uk	
Organisation	Gwynedd Archaeological Trust	
Stakeholders		Date Contacted
Collecting Institution(s)	GAT Historic Environment Record	07/09/2022
	RCAHMW	On completion of Project Archive
Project Assurance	Tom Fildes, Gwynedd Archaeological Planning Service	05/09/2022
Landowner / Developer	Glynllifon College Farm	n/a

Resources

Resources required

Describe the resources required to implement this Selection Strategy, particularly if unusual resources are required.

No unusual resources required outside of GAT normal operating equipment and personnel.

Context

The full aims and objectives of this project are detailed in the project specific WSI.

Gwynedd Archaeological Trust (GAT) has been commissioned by Grŵp Llandrillo Menai to undertake an archaeological desk-based assessment at Glynllifon College Farm, Ffordd Clynnog, Llandwrog, Gwynedd (NGR SH45555536; post code LL54 5DU) in advanced of two proposed developments. The proposed developments include:

- Proposed Dairy Farm and Shed: located at NGR SH45905552; works to include: demolition of the existing dairy farm building and cow shed, removal of two existing slurry tanks, erection of a new

livestock shed and milking parlour, construction of a silage clamp and dry manure store, internal access road together with associated works (WSI Figure 01). The proposed dairy farm building has been 70.5m x 47.5m, and be 9.1m to the ridge and 4.5m to the eaves; the rotary parlour shed would measure 20.5m x 50m, with a height of 6.9m to the ridge and 4m to the eaves (WSI Figure 02). The proposed buildings has been modern purpose-built agricultural buildings that incorporate traditional materials such as stone to reflect the historic setting of the site's location on the elevation facing the historic farmyard. The development area includes eleven listed buildings (Grade II) and an adjacent Scheduled Monument; and

- Proposed Sheep Farm and Centre: located at NGR SH46045495; works to include: demolition of existing lambing and sheep sheds and erection of two livestock sheds together with associated facilities and milking parlour, creation of landscaping bund, together with associated works (WSI Figure 02). The sheep centre would measure 43m x 56m, providing a floorspace of 2,105sqm with a height of 8.4m to the ridge and 4.7m to the eaves. The lambing/lamb rearing shed would measure 16m x 30m, providing a floorspace of 480sqm, with a height of 6.5m to the ridge and 5m to the eaves. The proposed new buildings has been modern purpose building agricultural buildings, but will incorporate traditional materials such as stone to reflect the historic setting of the application site. There are seven Grade II* Listed Buildings in proximity to the site.

The developments are located within areas that formerly belonged to the Glynllifon Estate, which was established by the Wynn family and developed extensively during the eighteenth and nineteenth century. The development areas are now part of Glynllifon College Farm, whilst Plas Glynllifon, located to the northwest, is under separate ownership. The desk-based assessment aims to examine the archaeological potential at each location, including the buildings proposed for demolition.

Gwynedd Archaeological Trust. 2022. Tywyn Aberffraw, Ynys Mon: Writen Scheme of Investigation for Archaeological Watching Brief. Project (G2742).

1 – Digital Data

Stakeholders

John Roberts (GAT Principal Archaeologist)

Selection

All digital data has been collected, stored and selected in lines with the Gwynedd Archaeological Trust (GAT) Data Management Plan located on GAT's servers (available on request).

Following the completion of the fieldwork, a working project archive has been created based on following task list;

1. Pro-formas: all cross referenced and complete;
2. Photographic Metadata: completed in *Microsoft Access* and cross-referenced with all pro-formas;

All relevant site archive data has been added to a digital project register specific to this project, which has been prepared in *Microsoft Excel*.

This data has been used as the basis for the physical and digital dataset archives. Information from these has been used to compile the project report. The physical archive has been stored in a designated project folder and the location confirmed in the Trust project database; the digital dataset has been stored on a dedicated Trust server, with the location confirmed in the Trust project database via a specific hyperlink. External datasets for the HER and RCAHMW are as defined in the dissemination strategy below. De-selected digital data has been confirmed in an updated digital management plan appended to the final report

De-Selected Digital Data

It is envisaged that the de-selected material will be retained on the GAT servers for 2 years following the completion of the project at which point they has been reviewed and deleted as necessary in line with the GAT DMP.

2 – Documents

Stakeholders

John Roberts – Principal Archaeologist, Gwynedd Archaeological Trust;
Sean Derby – Historic Environment Record, Gwynedd Archaeological Trust;
Gareth Edwards, *Head of Knowledge and Understanding, RCAHMW*

Selection

- A digital report has been provided to the regional Historic Environment Record; this has been submitted within six months of project completion (final report only), along with a digital dataset comprising an Event PRN summary. The report and dataset has been submitted in accordance with the required standards set out in *Guidance for the Submission of Data to the Welsh Historic Environment Records (HERs)* (Version 1.1); and
- A digital report and digital archive dataset has been provided to Royal Commission on Ancient and Historic Monuments, Wales (final report only), in accordance with the *RCAHMW Guidelines for Digital Archives Version 1*. The dataset has been prepared in the format required by RCAHMW and will include:
 - Photographic metadata (Microsoft Access);
 - Photographic archive (TIFF format);
 - Project Information form (Excel);
 - File Information form (Excel) – Microsoft Word report text final;
 - File Information form (Excel) – Photographic metadata (general);
 - File Information form (Excel) – Adobe PDF report final; and
 - File Information form (Excel) - Photographic metadata (detail).

De-Selected Documents

It is envisaged that the material de-selected from inclusion in the preserved archive has been duplicates or reproductions created during the analysis phase of the project. De-selected material will therefore either be retained to supplement GAT's research files or recycled.



Gwynedd Archaeological Trust
Ymddiriedolaeth Archaeolegol Gwynedd

Craig Beuno, Ffordd y Garth, Bangor, Gwynedd. LL57 2RT
Ffon: 01248 352535. Ffacs: 01248 370925. email: gat@heneb.co.uk

