

# AERIAL MAPPING PROJECT

## REPORT ON TWO PILOT AREAS IN MEIRIONNYDD

G1346

Report no. 205a

YMDDIRIEDOLAETH ARCHAEOLEGOL GWYNEDD

GWYNEDD ARCHAEOLOGICAL TRUST

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# AIR PHOTO MAPPING AND RECORD CREATION: 1995/96

## GWYNEDD ARCHAEOLOGICAL TRUST PROJECT REPORT

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### 1 Introduction

- 1.1 This report briefly summarises the methodologies and results of a project carried out by Gwynedd Archaeological Trust (GAT) in February and March 1996 to gain experience of, and test, the methodologies being established by RCAHM(W) in its aerial mapping and record creation work.

### 2 Background

- 2.1 The Trust put together a pilot aerial mapping project based on resources (*i.e.* aerial photographs) which were readily available. The Gwynedd SMR contained a number of fine, vertical aerial photographs of various parts of the coastal area of western Meirionnydd, obtained from the Ordnance Survey (OS) as part of a ground-based survey undertaken in the 1980s by R Kelly. The areas covered included that immediately east of Cors y Gedol, Dyffryn Ardudwy, in which RCAHM(W) had carried out its pilot mapping scheme, and an area around the hillfort of Moel Goedog to the north.
- 2.2 In all, there were two black and white photographs at c. 1:8,000 scale of Dyffryn Ardudwy and northern Ardudwy, and twelve large verticals at c. 1:2,000 scale of areas which fall largely but not entirely within those covered by the smaller scale photographs. The approximate areas of land covered by each of the 1:2,000 vertical aerial photographs was c. 1.85 sq kms.
- 2.3 It was originally intended to look at as large an area covered by these photographs as was possible within the given time-scale. After initial work on mapping the first area (Moelfre - see below) and further discussions, the project concentrated on examining two specific areas
- (i) a coastal-facing strip of western Meirionnydd on the southern slopes of Moelfre above Dyffryn Ardudwy in which RCAHM(W) had carried out its pilot mapping scheme (AP no. 289); and
- (ii) an area in north Ardudwy (centred on Moel y Gerddi) in which the Trust carried out excavation and (limited) ground survey in the 1980s (AP number 247).
- 2.4 The project was intended to map as much as possible of the archaeology visible on these vertical APs, supplemented by mapping from stereo pairs of (smaller) photographs lent by RCAHM(W), following the methodology being developed by RCAHM(W).

### 3 Equipment

- 3.1 The hardware and software used for the project was restricted to that already available within the Trust, and comprised
- (i) for mapping/plotting, a 486DX 66MHz computer (with 8Mb RAM) plus an A1 size GTCO digitiser, originally using AutoCad (release 12) and Fastcad 3D, although the latter was switched to Fastcad 2D (release 2.01) (see below): the plotter used was an Oce Graphics G1900: and
- (ii) for record creation, a 486DX4 100MHz computer (with 8Mb RAM) using Fastmap 3.2 and Foxpro 2.6. The printer used was a Hewlett Packard Desk Jet 510.

## 4 Methodology

### 4.1 General

- 4.1.1 A day was spent in the RCAHM(W) offices at the beginning of the project to familiarise Trust staff with details of the processes involved in mapping and record creation.
- 4.1.2 The working manual compiled by RCAHM(W) was consulted (and added to) throughout the project. It is hoped that this report will allow the manual to be up-dated.

### 4.2 Plotting

- 4.2.1 The relevant OS 1:10,000 map quarter sheet was set up on the digitising tablet, and the area covered by the AP was defined and the sheet co-ordinates established. The background OS information was then digitised, including the existing archaeology: during the project it was decided that a fairly high level of background detail needed to be digitised, especially in areas of significant height fluctuations, as this aids the accuracy of the plotting of the archaeological features.
- 4.2.2 When this had been completed, the AP and a clean overlay was set up on the tablet. A number of reference points on the AP were selected (*e.g.* field-wall corners, buildings, even kinks in streams) and their locations checked on the OS map quarter sheet. The relevant co-ordinates from the quarter sheet were then entered into Autocad. Again, in the more undulating areas, it was found necessary to select at least 8 reference points within, say, a 500m square area, as this significantly reduced any inaccuracies and inconsistencies between OS data and the subsequent plot.
- 4.2.3 The locations of all reference points were marked in red (and numbered) on a photocopy extract of the OS quarter sheet, and the grid references listed on the reverse (these were stored in the project file for potential future reference). They were also automatically stored in the Autocad co-ordinate files.
- 4.2.4 The AP was studied carefully in a logical sequence similar to that employed during ground-based upland survey (*i.e.* by breaking it up into areas that could be defined by obvious physical boundaries such as fields, roads or rivers). It was thus possible to keep track of which parts of the AP had been examined, so that 'blank' areas were not duplicated.
- 4.2.5 Features of (potential) archaeological significance were then plotted: use of the relevant colours for the types of feature and layers for period/class, and the use of text, was optional in Autocad at this stage. All features thus plotted were also marked on the transparent overlay to help gauge progress and check cover between areas.
- 4.2.6 When the plotting had been completed satisfactorily, the data was exported as a .DXF file to Fastcad3 (or later to Fastcad2 - see below) for editing and enhancement.

### 4.3 Record creation

- 4.3.1 For the purposes of this project, an extract from the SMR was used as the database to create the overlays: two separate databases (RCAHMW1 and RCAHMW2 - see appendices) were created for the two areas that were mapped (Dyffryn Ardudwy and Moel Goedog). It was decided that it would be preferable to use separate databases to try to minimise potential mistakes and to facilitate the extraction of information from the SMR.
- 4.3.2 The actual physical process involved in record creation was as follows -  
  
get into Fastmap directory (FM3); select 'Mainmenu'; select 'View Module':

select the relevant overlay (e.g. ap63sw, which is an overlay created from an extract of the SMR covering OS quarter sheet SH63SW):

bring in existing database points by querying on OSMAP=SH63SW (there may be an easier way, but this worked): all the database entries for SH63SW were now on screen:

import Fastcad drawing (containing newly-plotted sites) using 'ins\_fcd' and choosing, for example, AP63SW1.fcd from the FM3 directory. (N.B. This had to be done using a floppy disk in this instance as it was necessary to switch to a different computer for the record creation: see above, this was not an ideal situation.)

#### 4.3.3 The plot and existing PRNs are now on-screen:

record creation is carried out in the 'Edit Module':

zoom into an area to begin record creation:

begin by checking any existing PRNs, and updating them if necessary: add the AP number to the source field.

#### 4.3.4 For each new site -

zoom in to the site so that its dimensions can be measured using 'Calc distance' under 'Info'. It is advisable to make a note of dimensions, position in relation to other sites, alignments *etc.*

when all relevant details and information have been noted down on a sheet of paper, select 'DB-Edit' and then 'Add new record'. Position the cross-hairs over the correct location, noting the co-ordinates at the bottom of the screen. Click the left mouse button and press 'Enter' to position the record: this brings up the blank record card to be filled in. Complete this, giving the AP number as the source, and click on 'Accept' when finished.

it is possible to view, move and edit the record after creation by selecting the appropriate command in the 'DB-Edit' menu.

#### 4.3.5 Once all the new records have been created, it is possible to copy the database back into Foxpro, from where it can be printed-out, read back into the SMR *etc.*

#### 4.3.6 To print out the drawing with the PRNs marked on it (see appendix), first of all it was necessary to change printers! (the computer normally prints via a network, but Fastmap requires too much environment space to run it with the network.

to print, go into the 'Plot Module': select 'Plot' and then 'Paper size' (A4): this then gives options for grid intervals ('0' for no grid), scale, location for the plot, north arrow *etc.* this then shows the drawing as it will be printed out, with border and inset. Then select 'Plot direct' [printer] and select printer *etc.*

## 5 Results and conclusions

### 5.1 Archaeology

- 5.1.2 *Moelfre, Dyffryn Ardudwy.* The northern half of this block of sea-facing upland, centred on SH623237, is dominated by the bulk of Moelfre, which is partly afforested along its eastern flanks. Around the base of its southern slopes, north of a trackway which crosses the area from west to east, are the remains of numerous sheepfolds and other stone-built enclosures of indeterminate date. There is little in the way of post medieval settlement in the area generally, with the exception of Ty Newydd, but there is considerable evidence of apparently dense occupation during the prehistoric period in the form of numerous hut circles, many with associated enclosure complexes. Many of these, as is fairly typical of the Gwynedd uplands, exist below the more modern sheepfolds which have taken advantage of a ready supply of stone. There are also a number of 'long huts' in the area.
- 5.1.3 The southern part of the area is dominated by the massive hillfort complex of Craig y Dinas. Here, in addition to a number of stone-built enclosures on its slopes, there are a number of cairns and mounds visible, with concentrations straddling the trackway close to the standing stones west of Pont Scethin, and also on the western slopes of the hill on which the fort is situated.
- 5.1.4 *Moel y Gerddi.* This area, centred on SH613311, is an (often-steeply) undulating piece of upland which rises to the north where it is dominated by Moel y Gerddi. The higher ground is more open, and contains better pasture, than the southern part of the area which is characterised by outcropping, smaller fields and complexes of 'wandering walls'. Previously unrecorded archaeological sites were noted either in the immediate proximity of, or to have been assimilated with, later structures and enclosures, suggesting a continuity of settlement and land use over many centuries. A number of more 'isolated' sites were also identified, particularly in areas of improved pasture, typically hut circles with traces (often quite substantial) of associated field systems. Other features include burnt mounds, 'long huts', numerous undated small enclosures and areas of ridge and furrow cultivation.
- 5.1.5 It was also possible using APs to add detail to already-known sites, especially the more complex site-types such as that on Moel y Gerddi.

### 5.2 Methodology

- 5.2.1 The following points are not in any order.
- 5.2.2 Period/class layers used in aerial mapping do not seem to correspond with those agreed under END, and thus there are problems in creating records: most sites appear to fall into the 'Unknown Prehistoric' or simply 'Unknown' categories. Fieldwork would be extremely useful to supplement the information gained from the plots and to sort out any problems with identification: in fact it is impossible to assign a category to many sites without a field visit.
- 5.2.3 A major problem has been importing FCD drawings made in Fastcad3 into Fastmap: this appears to have been resolved by exporting the drawing from Fastcad3 as a .DXF file and saving the .DXF as an .FCD file once in Fastmap. The second aerial plot (Moel Goedog) was created in Fastcad2 as this is far easier. Is this because Fastmap cannot cope with data in three dimensions? If so, this is very limiting for uplands work.
- 5.2.4 Considerable time was wasted because it was not possible to use the same computer for both mapping and record creation as the Trust only has a single copy of Fastmap. This needs to be remedied if the project continues.
- 5.2.5 The main (and most time-consuming) problem as far as record creation was concerned was trying to match newly-plotted sites with existing PRNs (in the SMR) and previous RCAHM(W) plots. We know from experience that there are problems with the grid references for many of the existing sites: without actually visiting these sites on the ground, matching them up with the plots can be quite difficult. Site visits are essential if new mistakes are not to be made and 'old' ones compounded.

- 5.2.6 It was also found to be necessary to use the 'duplicate' field as sites that have already been allocated PRNs and NPRNs within the SMR have also been allocated new NPRNs by RCAHM during the course of their aerial mapping work. This is only a problem where there is almost simultaneous record creation being carried out by GAT and RCAHM(W).
- 5.2.7 A further problem is that GAT uses PRNs for everything, while RCAHM(W) are using NPRNs: it still remains to be established whether PRNs precisely match NPRNs. This problem may be more acute in areas where both RCAHM(W) and the Trusts are carrying out aerial mapping projects, but it will also be a problem whenever compatability of output is required.
- 5.2.8 Another (mechanical) difficulty with record creation is the fact that it is necessary to note down measurements and descriptions of newly-plotted sites from the screen onto paper, as this cannot be done once the record card is on screen because it physically hides the feature being recorded. This is inefficient and increases the possibility of introducing mistakes into the record.
- 5.2.9 It is envisaged that there will be problems incorporating the new information into the SMR, mainly due to the short text field that has been created for the AP database. As there is not a short text field in the SMR and because memo fields cannot be used in Fastmap, none of the of the descriptions compiled during the record creation can be transferred to the SMR: all that work will have to be duplicated.
- 5.2.10 As already stated, there are obvious limitations to the degree of interpretation of mapped features that is possible without fieldwork, especially where one is trying to match mapped sites with sites which already probably exist as SMR records. It is often impossible to determine whether a mpped site is the same as one previously recorded without a field visit.
- 5.2.11 Unfortunately there was insufficient time in the project to map from oblique aerial photographs: this exercise will have to wait.
- 5.2.12 It is still very difficult to calculate an 'average' length of time for mapping and record creation. For example, it can be done more quickly where a person and machine (and digitiser) are solely dedicated to the process: in a situation where that person and his/her equipment are doing a number of different tasks, the work rate is inevitably slower. We cannot, on our experience to date, give an average time for completing, say, an OS quarter sheet.

## APPENDICES

Structures of SMR and AP databases

Maps and site lists for pilot areas - Moelfre and Moel y Gerddi



Structure for database: C:\FPD26\WORK\SMR\ZSMR1.DBF

Number of data records: 8742

Date of last update : 24/04/96

Memo file block size : 64

Code Page : 0

Field	Field Name	Type	Width	Dec	Index	Collate
1	PRN	Numeric	5		Asc	Machine
2	NPRN	Numeric	5		Asc	Machine
3	SITENAME	Character	50		Asc	Machine
4	NGR	Character	11		Asc	Machine
5	OSMAP	Character	13		Asc	Machine
6	DISTRICT	Character	21		Asc	Machine
7	COMMOUNC	Character	50		Asc	Machine
8	STATUS_NO	Character	8		Asc	Machine
9	SITESTAT	Character	5		Asc	Machine
10	AREASTAT	Character	8		Asc	Machine
11	CLASS	Character	30		Asc	Machine
12	SITETYPE	Character	40		Asc	Machine
13	PERIOD	Character	15		Asc	Machine
14	PERIODSPEC	Character	20		Asc	Machine
15	CENTURY	Character	7		Asc	Machine
16	FORM	Character	25		Asc	Machine
17	DESCTYPE	Character	50		Asc	Machine
18	CROSSREFS	Character	30		Asc	Machine
19	NOTES	Memo	10			
20	COMPILATN	Character	25		Asc	Machine
21	UPDATE	Character	40		Asc	Machine
22	SOURCE	Character	5			
** Total **			474			

Structure of Gwynedd SMR1 database

Structure for database: C:\FPD26\WORK\AP\RCAHMW.DBF

Number of data records: 207

Date of last update : 29/03/96

Code Page : 0

Field	Field Name	Type	Width	Dec	Index	Collate
1	PRN	Numeric	5		Asc	Machine
2	NPRN	Numeric	5			
3	SITENAME	Character	50			
4	NGR	Character	11			
5	NGRQ	Numeric	1			
6	OSMAP	Character	13			
7	DISTRICT	Character	21			
8	COMMCOUNC	Character	50			
9	STATUS_NO	Character	8			
10	SITESTAT	Character	5			
11	AREASTAT	Character	8			
12	CLASS	Character	30			
13	SITETYPE	Character	40			
14	PERIOD	Character	15			
15	PERIODSPEC	Character	20			
16	CENTURY	Character	7			
17	FORM	Character	25			
18	DESCTYPE	Character	50			
19	CROSSREFS	Character	30			
20	COMPILATN	Character	25			
21	CONDITION	Character	1			
22	ALTITUDE	Numeric	4			
23	LANDUSE	Character	28			
24	CREATED	Character	21			
25	UPDATE	Character	40			
26	EAST1	Numeric	6			
27	NRTH1	Numeric	6			
28	TEXT1	Character	60			
29	TEXT2	Character	60			
30	TEXT3	Character	60			
31	TEXT4	Character	60			
32	TEXT5	Character	60			
33	SOURCE	Character	20			
** Total **			846			

Structure of database used for record creation within this project

Map and site list for **Moelfre** area

PRN	NPRN	NAME	NGR	PERIOD
840	58187	?HOMESTEAD, LLYN BODLYN	SH63972421	ROMANO BRITISH
841	58188	?HOMESTEAD, EITHIN-FYNYDD	SH60022165	ROMANO BRITISH
842	58189	?CAIRN	SH61102180	PREHISTORIC
853	58194	?HOMESTEAD, LOWER SLOPES OF MOELFRE	SH62092389	ROMANO BRITISH
854	58195	LYNCHET OR BOUNDARY	SH62842367C	ROMANO BRITISH
855	58196	?FIELD WALL	SH62772354C	ROMANO BRITISH
861	58202	?HOMESTEAD, FOOT OF MOELFRE	SH62142377	ROMANO BRITISH
870	55123	POSSIBLE MEGALITHIC TOMB	SH61772338	PREHISTORIC
894	58210	?CAIRN BETWEEN CRAIG-Y-DDINAS & MOELFRE	SH62672368	PREHISTORIC
895	58211	?CAIRN BETWEEN CRAIG-Y-DDINAS & MOELFRE	SH62672371	PREHISTORIC
1090	55851	TWO CAIRNS	SH62612360	UNDETERMINED
1091	55852	CLEARANCE CAIRNPART OF OLD BOUNDARY	SH62742364	PREHISTORIC
1092	55853	ROUND CAIRN(UNLOCATED) + EARTH MOUNDS	SH62752373	UNDETERMINED
1093	55854	DOUBLE CAIRN	SH62902386	UNDETERMINED
1107	55991	CRAIG Y DINAS HILLFORT, ABOVE DYFFRYN ARDUDWY	SH62432300	PREHISTORIC
1108	55992	HUT GROUP + FIELD SYSTEM, SW SLOPES OF MOELFRE	SH62002390	PREHISTORIC/RB
1109	55993	CRAIG Y DINAS - SETTLEMENT	SH62542301	PREHISTORIC
1113	55997	HUT CIRCLE + ENCLOSURE (UNLOCATED)	SH62652387	UNDETERMINED
1160	56003	ENCLOSURE\CLEARANCE CAIRN	SH62052343	UNDETERMINED
1161	56004	POST MEDIEVAL SETTLEMENT	SH62102340	POST MEDIEVAL
1170	56011	HOMESTEAD WITH ENCLOSURE	SH62262418	UNDETERMINED
2919	56134	PADDOCK ASSOCIATED WITH P.R.N. 1108	SH62022392	PREHISTORIC/RB
2933	56148	POST MEDIEVAL SETTLEMENT	SH62302406	POST MEDIEVAL
2934	56149	MEDIEVAL SETTLEMENT, CRAIG Y DINAS	SH62612320	MEDIEVAL
2935	56150	MED\POST MED SHEEPFOLD	SH62842443	MEDIEVAL
2936	56151	SHEEPFOLD\MED-POST MED	SH63052440	MEDIEVAL
5162	58215	TUMULUS CEMETERY, LLANDDWYWE-IS-Y-GRAIG	SH61952332	PREHISTORIC
5723	63159	?HUT CIRCLE, W. OF MOELFRE	SH61722358	PREHISTORIC
5987	0	MULTI-CELLULAR SHEEPFOLD, MOELFRE	SH61882427	POST MEDIEVAL
5988	0	ENCLOSURE, MOELFRE	SH61942426	UNDETERMINED
5989	0	SHEEPFOLDS, MOELFRE	SH61872421	POST MEDIEVAL
5990	0	POSS. HUT CIRCLE & SHEEPFOLDS, MOELFRE	SH61892413	PREHISTORIC
5991	0	SHEEPFOLDS AND ENCLOSURES, MOELFRE	SH61932411	POST MEDIEVAL
5992	0	?MOUND, MOELFRE	SH61642407	PREHISTORIC
5993	0	?MOUND, MOELFRE	SH61752404	PREHISTORIC
5994	0	POSSIBLE MOUND, MOELFRE	SH61792399	PREHISTORIC
5995	0	2 POSSIBLE HUT CIRCLES AND ENCLOSURE	SH61692402	PREHISTORIC
5996	0	HUT CIRCLE, MOELFRE	SH61982398	PREHISTORIC
5997	0	SHEEPFOLD, MOELFRE	SH61992397	POST MEDIEVAL
5998	0	ENCLOSURES, MOELFRE	SH62252419	PREHISTORIC
5999	0	SHEEPFOLD, MOELFRE	SH62202438	POST MEDIEVAL
6000	0	BOUNDARY BANK, MOELFRE	SH62042431	POST MEDIEVAL
6187	60961	?PEAT STACK, PONT SCETHIN	SH62792391	UNDETERMINED
6400	0	CAIRN, MOELFRE	SH62302409	PREHISTORIC
6401	0	ENCLOSURE,MOELFRE	SH62262405	UNDETERMINED
6402	0	SHEEPFOLD, MOELFRE	SH62332404	POST MEDIEVAL
6403	0	SHEEPFOLDS, MOELFRE	SH63072420	POST MEDIEVAL
6404	0	SHEEPFOLD COMPLEX, MOELFRE	SH63042406	POST MEDIEVAL
6405	0	SHEEPFOLD	SH62852402	POST MEDIEVAL
6406	0	CAIRN OR MOUND	SH62852400	PREHISTORIC
6407	0	ENCLOSURE	SH63022400	UNDETERMINED
6408	0	HUT CIRCLE/CAIRN	SH62952396	PREHISTORIC
6409	0	CAIRNS/MOUNDS	SH62902397	PREHISTORIC

PRN	NPRN	NAME	NGR	PERIOD
6410	0	MOUND/CAIRN	SH62962388	PREHISTORIC
6411	0	HUT CIRCLE & RECTANGULAR HUT/ENCLOSURE	SH61642386	PREHISTORIC
6412	0	STONE CIRCLE/ENCLOSURE	SH61932378	PREHISTORIC
6413	0	ENCLOSURES AND WALLS	SH61632368	POST MEDIEVAL
6414	0	?HUT CIRCLE & SUB-RECTANGULAR ENCLOSURE	SH61812378	UNDETERMINED
6415	0	IA/RB SETTLEMENT, MOELFRE	SH61672359	PREHISTORIC, RB
6416	0	ENCLOSURE, MOELFRE	SH61712353	PREHISTORIC
6417	0	HUT CIRCLE, MOELFRE	SH61662349	PREHISTORIC
6418	0	TRACKWAY	SH61912349	UNDETERMINED
6419	0	HUT CIRCLE	SH62102338	PREHISTORIC
6420	0	HUT CIRCLE	SH62102338	PREHISTORIC
6421	0	POSS. BURNT MOUND	SH61912359	PREHISTORIC
6422	0	SHEEPFOLD	SH62302333	POST MEDIEVAL
6423	0	ENCLOSURE AND SHEEPFOLDS	SH62302337	POST MEDIEVAL
6424	0	ENCLOSURE	SH62282334	UNDETERMINED
6425	0	LARGE SHEEPFOLD/ENCLOSURE	SH62102386	POST MEDIEVAL
6426	0	HUT CIRCLES AND ENCLOSURES	SH62092377	PREHISTORIC
6427	0	TWO CAIRNS	SH62092361	PREHISTORIC
6428	0	HUT CIRCLE AND ENCLOSURES	SH62172366	PREHISTORIC
6429	0	CAIRN	SH62222365	PREHISTORIC
6430	0	SUB-RECTANGULAR ENCLOSURE	SH62242365	UNDETERMINED
6431	0	HUT CIRCLE	SH62332378	PREHISTORIC
6432	0	HUT CIRCLE AND ENCLOSURE	SH62382373	PREHISTORIC
6433	0	ENCLOSURE	SH62362373	UNDETERMINED
6434	0	CIRCULAR FEATURES	SH62352374	UNDETERMINED
6435	0	RECTANGULAR STRUCTURE	SH62132378	UNDETERMINED
6436	0	ENCLOSURE/MOUND	SH62362356	UNDETERMINED
6437	0	CONCENTRIC CIRCLE ENCLOSURE	SH62622306	PREHISTORIC
6438	0	SHEEPFOLD	SH62612323	POST MEDIEVAL
6439	0	ENCLOSURE AND SHEEPFOLDS	SH62652325	POST MEDIEVAL
6440	0	HUT CIRCLE/CAIRN	SH62722325	PREHISTORIC
6441	0	SUB-CIRCULAR FEATURE	SH62632344	UNDETERMINED
6442	0	GROUP OF CAIRNS	SH62662352	PREHISTORIC
6443	0	HOLLOW WAY	SH62632371	UNDETERMINED
6444	0	TRACKWAY	SH62622373	UNDETERMINED
6445	0	CAIRN	SH62662373	PREHISTORIC
6446	0	STANDING STONE	SH62782367	PREHISTORIC
6447	0	CAIRN	SH62712379	PREHISTORIC
6448	0	CAIRN/MOUND	SH62742376	PREHISTORIC
6449	0	CAIRNS/MOUNDS	SH62782376	PREHISTORIC
6450	0	MOUND	SH62522377	UNDETERMINED
6451	0	HUT CIRCLE/CAIRN	SH62552377	PREHISTORIC
6452	0	HUT CIRCLE	SH62572379	PREHISTORIC
6453	0	?MOUND	SH62542381	UNDETERMINED
6454	0	?MOUND/CAIRN	SH62612381	UNDETERMINED
6454	0	ENCLOSURES	SH61712383	UNDETERMINED
6455	0	AREA OF FIELDS/DRAINAGE DITCHES	SH63022331	UNDETERMINED
6456	0	TRACKWAY	SH62802348	UNDETERMINED
6457	0	TRACKWAY	SH62712337	UNDETERMINED

Records printed: 102



Map and site list for **Moel y Gerddi** area

**Moel Goedog area: AP Sites.**

<u>PRN</u>	<u>NPRN</u>	<u>NAME</u>	<u>NGR</u>	<u>PERIOD</u>
1003	56801	HUT CIRCLE AND CONCENTRIC ENCLOSURE	SH61663170	PREHISTORIC
1007	56804	RING CAIRN BEDD GURFAL	SH61293113	PREHISTORIC
1181	57428	SETTLEMENT SITE	SH61853174	UNDETERMINED
2960	57845	HOUSE - GERDDI BLUOG (C16AD + LATER)	SH61943085	POST MEDIEVAL
5900	0	CAIRN	SH62003177	PREHISTORIC
5903	0	CIRCULAR ENCLOSURE, MOEL Y GERDDI	SH61763174	UNDETERMINED
5904	0	CIRCULAR ENCLOSURE, MOEL Y GERDDI	SH61553176	UNDETERMINED
5905	0	ENCLOSURE/WALLS, MOEL Y GERDDI	SH61003100	PREHISTORIC
5906	0	CULTIVATION TERRACES/LYNCHETS, MOEL Y GERDDI	SH61643160	UNDETERMINED
5907	0	BEUDY AND ENCLOSURE, NW MOEL Y GERDDI	SH61173158	POST MEDIEVAL
5908	0	TRACKWAY	SH61913143	UNDETERMINED
5909	0	SHEEPFOLD	SH61983132	POST MEDIEVAL
5910	0	ENCLOSURE/WALLS	SH61963133	POST MEDIEVAL
5911	0	ENCLOSURE AND BANKS	SH61903130	UNDETERMINED
5912	0	SHEEPFOLD	SH61793128	POST MEDIEVAL
5913	0	RECTANGULAR BUILDING AND ENCLOSURE	SH61963126	POST MEDIEVAL
5914	0	ENCLOSURE	SH61983121	UNDETERMINED
5915	0	RECTANGULAR ENCLOSURE	SH61983118	UNDETERMINED
5916	0	2 ENCLOSURES	SH61873125	UNDETERMINED
5917	0	WANDERING WALLS	SH61803117	UNDETERMINED
5918	0	SUB-CIRCULAR ENCLOSURE	SH61343120	UNDETERMINED
5919	0	HUT CIRCLE AND ENCLOSURE	SH61393116	PREHISTORIC
5920	0	WALL AND TERRACED FIELDS	SH61413118	PREHISTORIC
5921	0	SUB-RECTANGULAR ENCLOSURE	SH61483124	UNDETERMINED
5922	0	SUB-OVAL ENCLOSURE	SH61523131	UNDETERMINED
5923	0	FARM BUILDINGS AND ENCLOSURE	SH61603128	POST MEDIEVAL
5924	0	HAFOD AND ENCLOSURE	SH61603104	POST MEDIEVAL
5925	0	HUT CIRCLE AND ENCLOSURE	SH61763120	PREHISTORIC
5926	0	SHEEPFOLD	SH61702115	POST MEDIEVAL
5927	0	ENCLOSURES/BANKS	SH61753106	UNDETERMINED
5928	0	SUB-CIRCULAR & RECTANGULAR ENCLOSURES	SH61863110	UNDETERMINED
5929	0	ENCLOSURE/FOLD	SH62003115	UNDETERMINED
5930	0	RECTANGULAR ENCLOSURE	SH61923115	POST MEDIEVAL
5931	0	RECTANGULAR STRUCTURE & ENCLOSURE	SH61943104	UNDETERMINED
5932	0	ENCLOSURES AND WALLS	SH62013105	UNDETERMINED
5933	0	AREA OF CULTIVATION RIDGES	SH61663115	UNDETERMINED
5934	0	CAIRN/MOUND	SH60703109	PREHISTORIC
5935	0	CAIRN/MOUND	SH60743111	PREHISTORIC
5936	0	RECTANGULAR BUILDING	SH60783111	POST MEDIEVAL
5937	0	HUT CIRCLE/ENCLOSURE	SH60743111	PREHISTORIC
5938	0	CAIRN/MOUND	SH60783106	PREHISTORIC
5939	0	CAIRN/MOUND	SH60873311	PREHISTORIC
5940	0	POSS LONGHUT/ENCLOSURE	SH60783096	?MEDIEVAL
5941	0	CIRCULAR ENCLOSURE	SH60623089	UNDETERMINED
5942	0	CIRCULAR ENCLOSURE	SH60623085	UNDETERMINED
5943	0	BURNT MOUND	SH60693086	PREHISTORIC
5944	0	CAIRN/MOUND	SH60653059	PREHISTORIC
5945	0	CIRCULAR ENCLOSURE	SH60653058	UNDETERMINED
5946	0	BANKS/WALLS	SH6069305	UNDETERMINED
5947	0	LARGE SUB-OVAL ENCLOSURE	SH60866039	UNDETERMINED
5948	0	POSS. LONG HUT AND WALL	SH61003081	MEDIEVAL



<u>PRN</u>	<u>NPRN</u>	<u>NAME</u>	<u>NGR</u>	<u>PERIOD</u>
5949	0	POSS. HUT CIRCLE	SH61203091	#PREHISTORIC
5950	0	TERRACE	SH61153091	PREHISTORIC
5952	0	SUB-RECTANGULAR ENCLOSURE	SH61503098	UNDETERMINED
5953	0	FARM BUILDINGS	SH61163061	POST MEDIEVAL
5954	0	2 LONGHUTS/ENCLOSURES	SJ61173061	MEDIEVAL
5956	0	TRACKWAY	SH61103050	MEDIEVAL
5957	0	TRACKWAY	SH61103080	UNDETERMINED
5957	0	RECTANGULAR BUILDING	SH61253054	POST MEDIEVAL
5958	0	THREE SHEEPFOLDS	SH61293075	UNDETERMINED
5959	0	LONG HUT	SH61323066	MEDIEVAL
5960	0	CAIRN/MOUND	SH61333065	PREHISTORIC
5961	0	WANDERING WALL	SH61313070	UNDETERMINED
5962	0	2 HUT CIRCLES AND ENCLOSURE	SH61383069	PREHISTORIC
5963	0	HUT CIRCLE	SH61403073	PREHISTORIC
5964	0	FIELD SYSTEM	SH61403070	PREHISTORIC
5965	0	IRREGULAR ENCLOSURE	SH61733096	UNDETERMINED
5966	0	CONCENTRIC SUB-CIRCULAR ENCLOSURE	SH61663088	PREHISTORIC
5967	0	FARM BUILDING AND ENCLOSURE	SH61753089	POST MEDIEVAL
5968	0	ENCLOSURE	SH61913095	UNDETERMINED
5969	0	SUB-RECTANGULAR ENCLOSURE	SH61653068	POST MEDIEVAL
5970	0	ENCLOSURES	SH61633069	UNDETERMINED
5971	0	SUB-RECTANGULAR ENCLOSURE/FOLD	SH61683081	POST MEDIEVAL
5972	0	SUB-CIRCULAR ENCLOSURE AND BANK	SH61753069	UNDETERMINED
5973	0	SUB-RECTANGULAR HUT PLATFORM	SH61723073	MEDIEVAL
5974	0	CIRCULAR ENCLOSURE	SH61743076	PREHISTORIC
5975	0	CIRCULAR ENCLOSURE	SH61783083	PREHISTORIC
5976	0	FIELD SYSTEM	SH61703080	UNDETERMINED
5977	0	POSS. RECTANGULAR HUT/ENCLOSURE	SH61773081	MEDIEVAL
5978	0	ENCLOSURE/SHEEPFOLD	SH61903087	POST MEDIEVAL
5979	0	FIELD SYSTEM	SH61983094	UNDETERMINED
5980	0	HUT CIRCLE/RING CAIRN	SH62073093	PREHISTORIC
5981	0	CIRCULAR ENCLOSURE	SH61843060	UNDETERMINED
5981	0	ENCLOSURE/STRIP FIELDS	SH61903069	UNDETERMINED
5982	0	RECTANGULAR ENCLOSURE	SH61883066	POST MEDIEVAL
5983	0	LARGE CIRCULAR ENCLOSURE	SH61913065	UNDETERMINED
5984	0	3 SMALL ENCLOSURES/FOLDS	SH61933064	POST MEDIEVAL
5984	0	HUT CIRCLE AND ENCLOSURE	SH61963070	PREHISTORIC
5985	0	RECTANGULAR BUILDING/ENCLOSURE	SH61973067	POST MEDIEVAL
5986	0	RECTANGULAR ENCLOSURE/FOLD AND WALLING	SH62023077	UNDETERMINED

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