

# GWYNEDD SLATE QUARRIES

REPORT NO. 154

APPENDIX 1

LIST OF QUARRIES AND FEATURES

PART 1

YMDDIRIEDOLAETH ARCHAEOLEGOL GWYNEDD  
GWYNEDD ARCHAEOLOGICAL TRUST

# GWYNEDD SLATE QUARRIES

REPORT NO. 154

APPENDIX 1

LIST OF QUARRIES AND FEATURES

YMDDIRIEDOLAETH ARCHAEOLEGOL GWYNEDD  
GWYNEDD ARCHAEOLOGICAL TRUST

HENDDOL	20366
HENDRE	20097
HENDRE DDU	20208
HENDRE DDU	20447
LLECHAN UCHAF	20138
LLECHWEDD	20300
MAENOFFEREN	20306
MAES Y GAMFA	20448
MINLLYN	20457
MOEL FABAN	20058
MOEL TRYFAN	20179
OAKELEY	20296
PANT DREINIOG	20059
PANT MAWR	20280
PARC	20259
PARC SLAB	20264
PEN Y BRYN	20037
PEN Y FFRIDD	20153
PEN YR ORSEDD	20039
PENRHYN	20061
PENRHYNGWYN	20380
POMPREN	20108
PORTHLLWYD	20149
PORTREUDDYN	20241
PRINCE OF WALES	20221
QUEENS	20360
RATGOED	20489
RHIWBACH	20313
RHIWGOCH	20131
RHOS	20110
RHOSYDD	20283
SINGRIG	20016
TAL Y FAN	20119
TAL Y SARN	20025
TAN Y BWLCH	20062
TAN YR ALLT	20020
TWLL LLWYD	20018
TY MAWR EAST	20030
TY'N Y BRYN	20122
TY'N Y CEUNANT	20465
TY'N Y FFRIDD	20063
TYDDYN AGNES	20010
VIVIAN	20087
VOTTY AND BOWYDD	20303
WRYSGAN	20289

# LIST OF QUARRIES SORTED BY PRN

20010	TYDDYN AGNES
20016	SINGRIG
20018	TWLL LLWYD
20019	COEDMADOC
20020	TAN YR ALLT
20022	CLODDFA'R COED
20025	TAL Y SARN
20027	CORNWALL (S. DOROTHEA)
20030	TY MAWR EAST
20031	BLAEN Y CAE
20032	GALLT Y FEDW
20033	DOROTHEA
20034	CILGWYN
20035	GWERNOR
20036	CLODDFA'R LON
20037	PEN Y BRYN
20039	PEN YR ORSEDD
20045	BRYN HAFOD Y WERN
20053	DOLGOCH
20058	MOEL FABAN
20059	PANT DREINIOG
20061	PENRHYN
20062	TAN Y BWLCH
20063	TY'N Y FFRIDD
20065	CHWAREL FAWR
20067	BRYNMAWR
20068	BWLCH Y GROES
20069	COOK & DDOL
20071	CAERMEINCIAU
20073	GLYNRHONWY UPPER
20075	GLYNRHONWY LOWER
20087	VIVIAN
20091	DINORWIC
20097	HENDRE
20098	CAERHUN
20099	COED MAWR (TY'N DDOL)
20100	CWM EIGIAU
20101	DULYN
20105	FOEL
20106	CEDRYN
20107	CHWAREL DDU
20108	POMPREN
20110	RHOS
20119	TAL Y FAN
20122	TY'N Y BRYN
20129	CHWAREL Y FEDW
20131	RHIWGOCH
20132	CWM MACHNO
20138	LLECHAN UCHAF
20144	CLOGWYN Y FUWCH
20149	PORTHLLWYD
20153	PEN Y FFRIDD
20156	HAFOD LAS
20165	CEFN MADOC
20166	HENBLAS
20168	GWERN BWYS
20170	CEFN COCH
20176	BRAICH RHYDD
20178	FRON
20179	MOEL TRYFAN
20181	ALEXANDRA



20182	HAFOD Y WERN
20196	GLANRAFON
20197	BWLCH CWMLLAN
20208	HENDRE DDU
20221	PRINCE OF WALES
20238	GORSEDDAU
20241	PORTREUDDYN
20255	HAFOD Y LLAN (S. SNOWDON)
20259	PARC
20262	HAFOTY
20264	PARC SLAB
20278	FRONBOETH
20279	CROESOR
20280	PANT MAWR
20283	RHOSYDD
20287	CONGLOG
20289	WRYSGAN
20296	OAKELEY
20300	LLECHWEDD
20303	VOTTY AND BOWYDD
20305	DIFFWYS (CASSON)
20306	MAENOFFEREN
20311	CWT Y BUGAIL
20312	BLAEN Y CWM
20313	RHIWBACH
20360	QUEENS
20366	HENDDOL
20367	GOLEUWERN
20376	ARTHOG
20380	PENRHYN GWYN
20428	CWM EBOL
20430	BRYNEGLWYS
20447	HENDRE DDU
20448	MAES Y GAMFA
20449	GARTHEINIOG
20456	CAE ABATY
20457	MINLLYN
20465	TYN Y CEUNANT
20467	GAEWERN
20468	ABERCWMEIDDAW
20472	ABERCORRIS
20483	CAMBERGI (WENALLT)
20487	ABERLLEFENI
20489	RATGOED
20490	CEFN DU

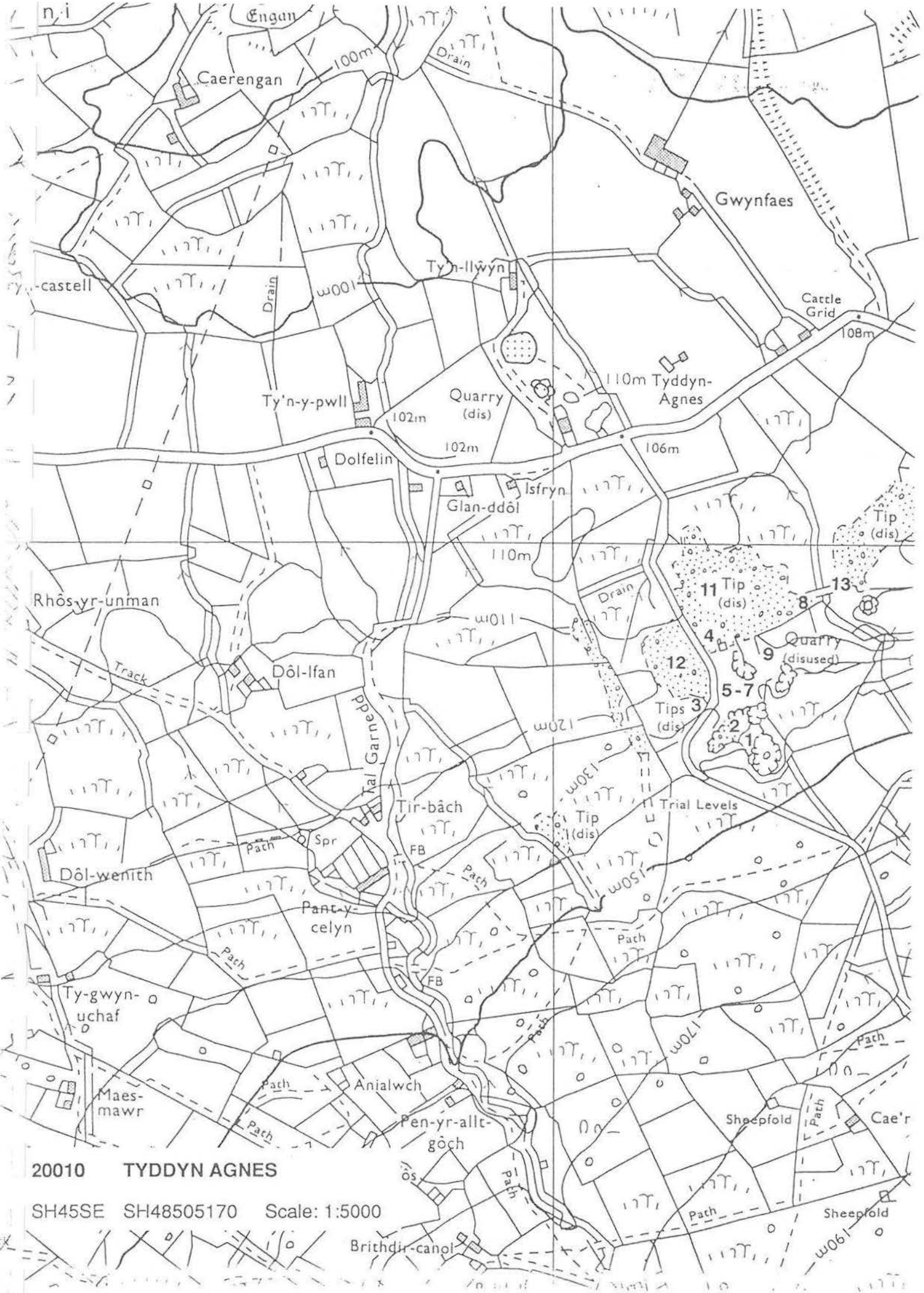
Diversity 3 Archive Val. 3 Archaeol. Record 3 Amenity Val. 3 Visual Amenity 3

## LIST OF QUARRY FEATURES

	S	C	F	V	P	R	PO	GV
1 QUARRY AREA <i>BOTH FACE AND PIT WORKINGS; IN RE-USE AS DUMP.</i>	2	2	1	1	-	-	-	-
2 QUARRY AREA <i>BOTH FACE AND PIT WORKINGS.</i>	2	2	1	1	-	-	-	-
3 STRUCTURE <i>CONTAINS FIREPLACE, POSSIBLY WEIGHBRIDGE HOUSE.</i>	2	2	1	1	-	-	-	-
4 STRUCTURE <i>HEAVILY DILAPIDATED.</i>	3	3	1	1	-	-	-	-
5 QUARRY FACE	1	1	1	1	-	-	-	-
6 RETAINING WALL	2	3	2	1	-	-	-	-
7 ADIT <i>INACCESSIBLE.</i>	-	-	-	-	-	-	-	-
8 TIPS <i>FORMS TRAMWAY EMBANKMENT.</i>	2	2	1	1	-	-	-	-
9 RAILWAY	2	2	1	1	-	-	-	-
10 QUARRY FACE	2	2	1	1	-	-	-	-
11 TIPS	1	1	1	1	-	-	-	-
12 TIPS	1	1	1	1	-	-	-	-
13 RAILWAY <i>THERE IS SUFFICIENT SPACE FOR A TURN-TABLE JUNCTION BUT THE TRACE APPEARS TO CONTINUE ON THE FAR SIDE OF THE TRAMWAY TO THE STANDARD-GAUGE BRANCH. JUNCTION OF CAERNARVONSHIRE SLATE CO RAILWAY WITH TYDDYN AGNES TRAMWAY.</i>	1	1	1	1	-	-	-	-

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 BOYD J I C, 1981[MONOGRAPH] *NARROW GAUGE RAILWAYS IN NORTH CAERNARVONSHIRE I*, P 245  
 LINDSAY J, 1974[MONOGRAPH] *A HISTORY OF THE NORTH WALES SLATE INDUSTRY*, P 332  
 RICHARDS A J, 1991[MONOGRAPH] *A GAZETEER OF THE WELSH SLATE INDUSTRY*, P 58



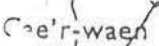
Diversity 3 Archive Val. 3 Archaeol. Record 3 Amenity Val. 3 Visual Amenity 3

## LIST OF QUARRY FEATURES

	S	C	F	V	P	R	PO	GV
1 CUTTING TO (5).	1	1	1	1	-	-	-	-
2 SHELTER	2	2	1	1	-	-	-	-
3 GWAL	3	3	1	1	-	-	-	-
4 RAILWAY EQUIPMENT RAIL SET IN TARMACADAM.	1	1	1	1	-	-	-	-
5 QUARRY PIT	1	1	1	1	-	-	-	-

## BIBLIOGRAPHIC REFERENCES

RICHARDS A J, 1991 [MONOGRAPH] *A GAZETEER OF THE WELSH SLATE INDUSTRY*, P 55



Diversity 3 Archive Val. 3 Archaeol. Record 3 Amenity Val. 3 Visual Amenity 3

## LIST OF QUARRY FEATURES

	S	C	F	V	P	R	PO	GV
1 MILL <i>LATER THAN LIMITS OF SURVEY BUT INCLUDED BECAUSE CYLLEL AND TRAFAL REMAIN IN USE.</i>	1	1	1	1	-	-	-	-
2 QUARRY AREA	1	1	1	1	-	-	-	-

## BIBLIOGRAPHIC REFERENCES

RICHARDS A J, 1991 [MONOGRAPH] *A GAZETEER OF THE WELSH SLATE INDUSTRY*, P 57





20018 TWLL LLWYD

SH45SE SH49005180 Scale: 1:5000

Diversity 3 Archive Val. 3 Archaeol. Record 3 Amenity Val. 3 Visual Amenity 3

## LIST OF QUARRY FEATURES

	S	C	F	V	P	R	PO	GV
1 OBLITERATED	3	3	3	3	-	-	-	-

## BIBLIOGRAPHIC REFERENCES

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BOYD J I C, 1981 [MONOGRAPH] *NARROW GAUGE RAILWAYS IN NORTH CAERNARVONSHIRE I*, P 68,80,233

GRIFFITH J O, 1883 [MONOGRAPH] *TRAETHAWD YMARFEROL AR LECHFEINI SIR GAERNARFON*, P 23

RICHARDS A J, 1991 [MONOGRAPH] *A GAZETEER OF THE WELSH SLATE INDUSTRY*, P 49

SKINNER, [OFFICIAL RECORDS] *SKINNERS MANUAL*, 1897,1902,1909





Diversity 2 Archive Val. 3 Archaeol. Record 3 Amenity Val. 3 Visual Amenity 3

## LIST OF QUARRY FEATURES

	S	C	F	V	P	R	PO	GV
1 ABUTMENT	1	1	1	1	-	-	-	-
2 EMBANKMENT	2	2	1	1	-	-	-	-
3 BARRACKS <i>IN RE-USE AS HOUSE.</i>	3	1	1	1	-	-	-	-
4 ABUTMENT	3	3	1	1	-	-	-	-
5 STRUCTURE <i>REMAINS ONLY BUT CONTAINS HOLDING-DOWN BOLTS.</i>	1	1	1	1	-	-	-	-
6 TIP CONTRACTORS' WORKINGS <i>CONTAINS REMAINS OF STRUCTURE AND 4-SIDED CONSTRUCTION, POSSIBLY THE REMAINS OF A PUMP- SHAFT-HEAD.</i>	2	3	1	1	-	-	-	-
7 WATERWHEEL PIT	2	2	1	1	-	-	-	Y
8 WATERWHEEL PIT	2	2	2	1	-	-	-	Y
9 TIP CONTRACTORS' WORKINGS	1	1	1	1	-	-	-	-
10 ROAD	1	1	1	1	-	-	-	-
11 TIPS	1	1	1	1	-	-	-	-
12 QUARRY PIT <i>FLOODED.</i>	3	3	1	1	-	-	-	-
13 WATERWHEEL PIT <i>FOR 15' DIAMETER WHEEL.</i>	3	2	1	1	-	-	-	Y
14 WATERWHEEL PIT <i>FOR 30' DIAMETER WHEEL. ON THE WEST SIDE OF THE PIT IS A COLLAPSED PILLAR. SUGGESTING THAT A LAUNDER MAY HAVE POWERED THE WHEEL FROM THIS DIRECTION.</i>	2	2	1	1	-	-	-	Y

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BOYD J I C, 1981 [MONOGRAPH] *NARROW GAUGE RAILWAYS IN NORTH CAERNARVONSHIRE I*, P 89,90,244

JONES R M, 1974 [MONOGRAPH] *THE NORTH WALES QUARRYMEN 1874-1922*, P 297

LINDSAY J, 1974 [MONOGRAPH] *A HISTORY OF THE NORTH WALES SLATE INDUSTRY*, P 128,310,332

RICHARDS A J, 1991 [MONOGRAPH] *A GAZETEER OF THE WELSH SLATE INDUSTRY*, P 36



20020 TAN-YR-ALLT

SH45SE SH49105230 Scale: 1:5000

215m

20022 CLODDFA'R COED SH49305320

Class 4.0

Diversity 3 Archive Val. 3 Archaeol. Record 3 Amenity Val. 3 Visual Amenity 3

#### LIST OF QUARRY FEATURES

	S	C	F	V	P	R	PO	GV
1 OBLITERATED	3	3	3	3	-	-	-	-

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LEWIS M J T (ED), 1987[MONOGRAPH] *THE SLATE QUARRIES OF NORTH WALES IN 1873*, P 73

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Diversity 1 Archive Val. 2 Archaeol. Record 3 Amenity Val. 1 Visual Amenity 1

A good example of a Nantlle quarry, worked from the 1860s by John Robinson of Plas Tal y Sarn, an innovative speculator and engineer. It contains a range of features, of which those that lie between the course of the Nantlle Railway and the old road in particular exemplify the mixture of domestic, functional and even religious structures found in Gwynedd slate quarries. Recommended sites are therefore confined to this group on the south side of the quarry, where a wide variety of structures occupies a fairly small area. The possible Newcomen steam engine elsewhere on the site adds to the quarry's overall importance.

## LIST OF QUARRY FEATURES

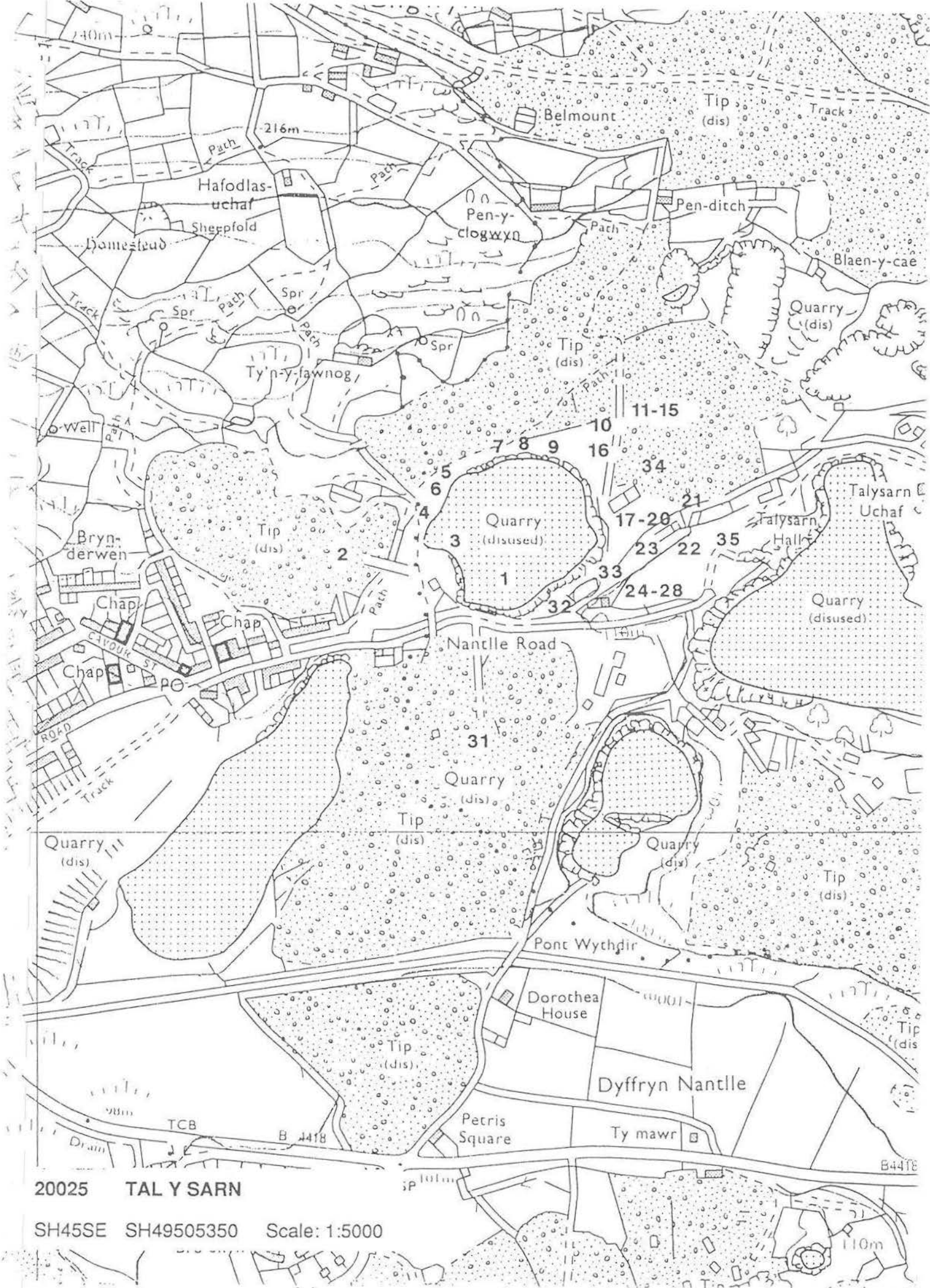
	S	C	F	V	P	R	PO	GV
1 QUARRY PIT	1	1	1	1	-	-	-	-
2 OBLITERATED	3	3	3	3	-	-	-	-
3 RETAINING WALL	1	1	1	1	-	-	-	-
4 STRUCTURE	3	3	3	3	-	-	-	-
FUNCTION OBSCURE.								
5 CHIMNEY	1	1	1	1	-	-	-	-
SQUARE PLAN. SLATE-BUILT.								
6 STRUCTURE	3	3	1	1	-	-	-	-
POSSIBLY CONNECTED WITH (5). PART OF ENGINE OR HAULAGE EQUIPMENT								
7 STRUCTURE	3	3	1	1	-	-	-	-
POSSIBLY CONNECTED WITH (5); CONTAINS HOLDING-DOWN BOLTS.								
8 ROPEWAY SYSTEM WINDING ENGINE BASE	2	2	2	2	-	-	-	-
NO ARCHAEOLOGICAL EVIDENCE FOR SITE OF ROPEWAY SYSTEM POWERED BY THIS FEATURE.								
9 STRUCTURE	3	2	1	1	-	-	-	-
?MILL								
10 INCLINE DRUMHOUSE	1	1	1	1	-	-	-	-
THROUGH DRUMHOUSE. PART OF BRAKE EQUIPMENT SURVIVES.								
11 QUARRY PIT	3	3	3	3	-	-	-	-
INFILLED WITH RUBBLE.								
12 STRUCTURE	2	1	1	1	-	-	-	-
?TIP CONTRACTORS' SHELTER								
13 STRUCTURE	3	1	1	1	-	-	-	-
?GWALLAU								
14 ADIT	3	3	2	2	-	-	-	-
COLLAPSED								
15 SHELTER	3	2	2	2	-	-	-	-
16 INCLINE COUNTERBALANCE	2	2	2	2	-	-	-	-
17 MILL LONGITUDINAL	1	1	2	2	-	-	-	-
ONE GABLE LARGELY INTACT. AXLE-BOX SITES EVIDENT.								
18 STRONGPOINT	3	2	2	2	-	-	-	-
TWO HOLDING-DOWN BOLTS PROJECT ABOVE GROUND LEVEL, REMAINS OF SLATE STRUCTURE.								
19 STRUCTURE	2	2	1	1	-	-	-	-
SLATE-BUILT LEAN-TO.								
20 STRUCTURE	3	3	2	2	-	-	-	-
FOUNDATIONS ONLY.								
21 STACKYARD	2	2	2	2	-	-	-	-
22 MILL LONGITUDINAL	3	1	1	1	-	-	-	-
ONE GABLE END LARGELY INTACT, OTHER WALLS DILAPIDATED. LEAN-TO ON ONE SIDE IS IN GOOD CONDITION.								
23 TIPS	1	1	1	1	-	-	-	-
24 SMITHY	1	1	2	2	-	-	-	Y
25 BRIDGE	1	1	2	2	-	-	-	Y
ABUTMENTS ONLY SURVIVE.								
26 PUMP-ENGINE HOUSE	1	1	1	1	-	-	Y	Y
FLAT-RODS LED TO BELLCRANKS ON EDGE OF PIT AT (32)								

					Class	2.0	
27	DWELLING	1	1	1	1	-	Y
	DWELLINGS FOR PUMPMAN AND SMITH, ALSO SMITHY. MOST EASTERLY IS A LARGE EXTERNALLY RENDERED BUILDING, WITH BRICK CHIMNEYS. PRIVY AND BRIDGE UNDER (28) SURVIVE.						
28	EMBANKMENT	1	1	1	1	-	Y
29	EMBANKMENT	1	1	1	1	-	Y
30	TIPS	1	1	1	1	-	-
	SHARED WITH BLAEN CAE.						
31	OBLITERATED	3	3	3	3	-	-
32	BELL CRANK BASE	2	2	2	1	-	Y
33	ROAD	1	1	1	1	-	Y
34	STEAM ENGINE SITE?	3	1	1	3	Y	Y
	CAST-IRON CYLINDER APPARENT AT THIS POINT, APROX. 5' ACROSS, MAY BE THE CYLINDER FOR A NEWCOMEN-TYPE ATMOSPHERIC ENGINE. BURIED IN TIP.						
35	CHURCH	1	1	2	1	-	Y
	EXTERNALLY RENDERED, LATER CONVERTED TO OTHER PURPOSE - OFFICE?						

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 LINDSAY J, 1974[MONOGRAPH] *A HISTORY OF THE NORTH WALES SLATE INDUSTRY*. PASSIM  
 PIERCE JONES G, 1970[ARTICLE] A PANORAMIC VIEW OF SLATE QUARRIES ... NANTLLE *CAERNARFONSHIRE RECORDS OFFICE BULLETIN 4*, P  
 PIERCE JONES G, 1985[ARTICLE] THE SLATE QUARRIES OF THE NANTLLE VALLEY *STATIONARY POWER 2*. PASSIM  
 RICHARDS A J, 1991[MONOGRAPH] *A GAZETEER OF THE WELSH SLATE INDUSTRY*, P 56  
 WILLIAMS M C, 1991[MONOGRAPH] *THE SLATE INDUSTRY*, P 6







Diversity 3: Archive Val. 3 Archaeol. Record 3 Amenity Val. 1 Visual Amenity 1

## LIST OF QUARRY FEATURES

	S	C	F	V	P	R	PO	GV
1 OBLITERATED	3	3	3	3	-	-	-	-
2 MILL	3	3	1	1	-	-	-	-
FOUNDATIONS ONLY.								
3 QUARRY PIT	1	1	1	1	-	-	-	-
4 ROPEWAY SYSTEM WINDING HOUSE	3	3	1	1	-	-	-	-
FOUNDATIONS AND GABLE END ONLY.								
5 ROAD	1	1	3	1	-	-	-	-
THIS FEATURE IS IN IMMINENT DANGER OF COLLAPSING INTO (3) AT SEVERAL POINTS.								

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BOARD OF TRADE 31 18246/95290C OFFICIAL RECORDS PRO KEW

BOYD J I C, 1981 [MONOGRAPH] *NARROW GAUGE RAILWAYS IN NORTH CAERNARVONSHIRE I,*RICHARDS A J, 1991 [MONOGRAPH] *A GAZETEER OF THE WELSH SLATE INDUSTRY*, p 49



20027 CORNWALL

SH45SE SH49605310 Scale: 1:5000

Diversity 2 Archive Val. 3 Archaeol. Record 3 Amenity Val. 3 Visual Amenity 2

The shaft winding-engine house at this small south-side Nantlle quarry was chosen as best illustrating a feature found in a number of pit-quarries. The slate tips of this quarry are currently being removed, although the engine house is outside the immediate area under threat.

## LIST OF QUARRY FEATURES

	S	C	F	V	P	R	PO	GV
1 SHAFT WINDING ENGINE HOUSE STEAM	3	3	2	3	-	Y	-	Y
2 CHIMNEY SQUARE SECTION.	1	1	2	1	-	-	-	Y
3 HAULAGE SHAFT-HEAD SITE BARELY VISIBLE.	3	3	2	3	-	-	-	Y
4 ADIT	2	3	3	3	-	-	-	-
5 CHIMNEY SQUARE PLAN.	1	1	2	1	-	-	-	-
6 STRUCTURE ALTERED BY LATER ADDITION OF (7). POSSIBLY A WINDING-DRUM BASE, POSSIBLY ORIGINALLY A WATER- POWERED BEAM ENGINE.	1	1	2	3	-	Y	-	-
7 ROPEWAY SYSTEM WINDING ENGINE BASE BOILER SURVIVES AS EXHIBIT ON NEARBY FARM: SINGLE CYLINDER OVERHEAD TYPE.	1	1	2	3	-	-	-	-
8 GWALIAU POSSIBLY AN EXAMPLE OF CLWYDIAN PRACTICE, WHEREBY GWALIAU ON ONE SIDE ARE USED FOR BRASHOLLI AND OPPOSITE ONES FOR MANHOLLI.	3	1	2	2	-	Y	-	-
9 OFFICE	3	2	2	2	-	-	-	-
10 ROPEWAY SYSTEM STRONGPOINT ONLY SURVIVES.	1	1	2	1	-	-	-	-
11 STRONGPOINT	1	1	2	1	-	-	-	-
12 OBLITERATED	3	3	3	3	-	-	-	-

## BIBLIOGRAPHIC REFERENCES

- BOYD J I C, 1981 [MONOGRAPH] *NARROW GAUGE RAILWAYS IN NORTH CAERNARVONSHIRE I*, PP 91. 245  
 RICHARDS A J, 1991 [MONOGRAPH] *A GAZETEER OF THE WELSH SLATE INDUSTRY*, P 58



20030 TY MAWR EAST

SH45SE SH49705240 Scale: 1:5000



Diversity 1 Archive Val. 3 Archaeol. Record 3 Amenity Val. 3 Visual Amenity 2

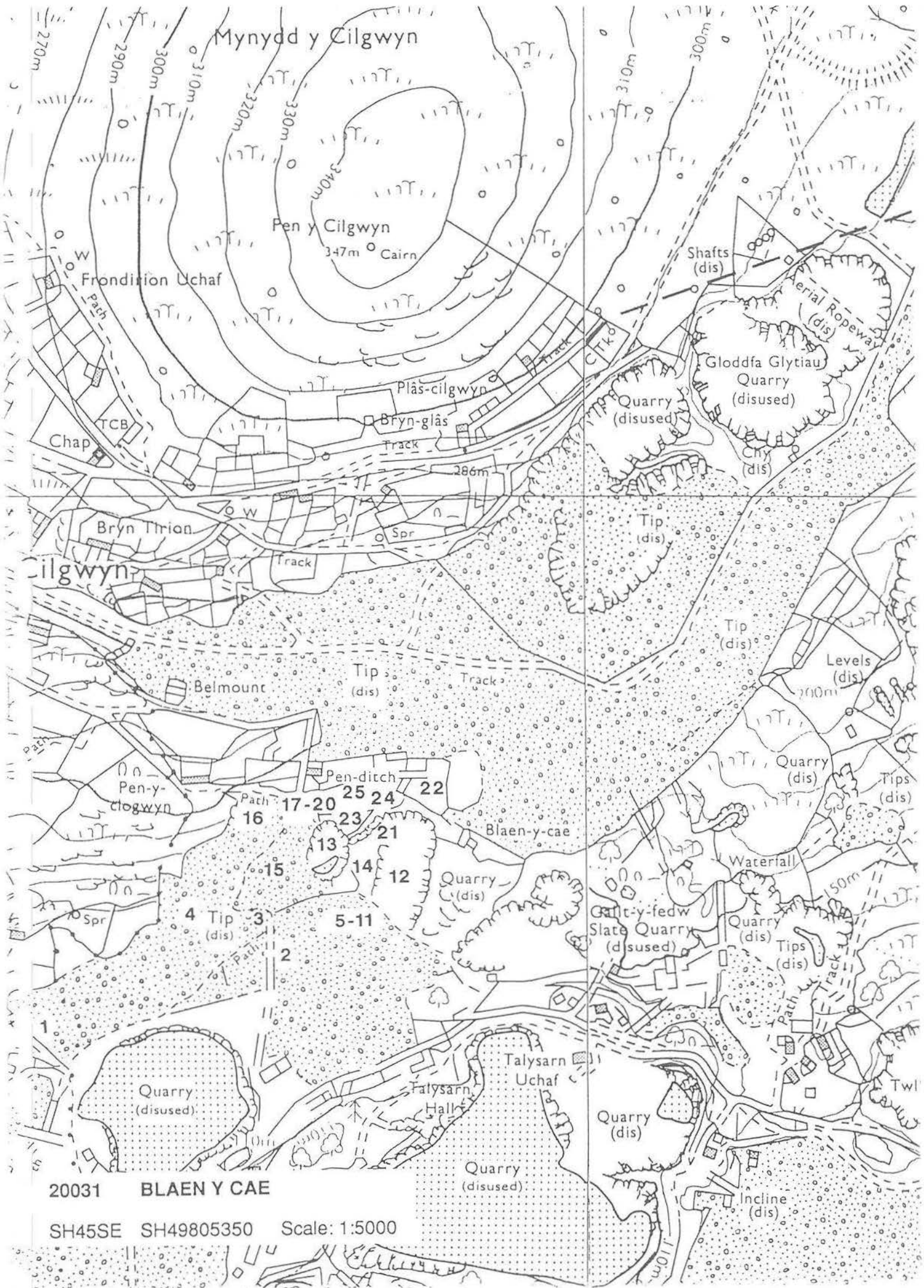
A small pit quarry worked at one time in conjunction with Tal y Sarn, and connected to it by an incline. The steam-powered winding engine at the top of the site, and its associated ropeway system, is the best survival of its type, and exemplifies the development of ropeway haulage from its water-powered origins as revealed at Bryneglwys to the more sophisticated systems at Dinorwic and Pen yr Orsedd. The tip contractors' workings of the 1930-50s are an excellent example of this typical Nantlle practice.

## LIST OF QUARRY FEATURES

	S	C	F	V	P	R	PO	GV
1 TIPS <i>SHARED WITH TAL Y SARN, Q.V.</i>	-	-	-	-	-	-	-	-
2 INCLINE COUNTERBALANCE	1	2	1	1	-	-	-	-
3 INCLINE DRUMHOUSE <i>THROUGH DRUMHOUSE. CONTAINS SOME BRAKE GEAR.</i>	1	3	1	1	-	-	-	-
4 TIP CONTRACTORS' WORKINGS	1	1	1	1	-	-	-	-
5 ROPEWAY SYSTEM <i>COMPRISES STRONGPOINT, PART OF CEFFYL AND LENGTH OF ROPE.</i>	1	3	1	1	-	-	-	-
6 TIP CONTRACTORS' WORKINGS	1	1	1	1	-	-	-	-
7 GWAL	1	1	1	1	-	-	-	-
8 ROPEWAY SYSTEM WINDING ENGINE BASE	3	3	1	1	-	-	-	-
9 STRUCTURE	3	3	3	3	-	-	-	-
10 STRUCTURE	3	3	3	3	-	-	-	-
11 MILL <i>SITE ONLY: FEATURE OBLITERATED.</i>	3	3	3	3	-	-	-	-
12 QUARRY PIT	1	1	1	1	-	-	-	-
13 QUARRY FACE	1	1	1	1	-	-	-	-
14 CUTTING <i>ACCESS TO (13).</i>	2	2	1	1	-	-	-	-
15 INCLINE COUNTERBALANCE	2	3	1	1	-	-	-	-
16 TIP CONTRACTORS' WORKINGS	1	1	1	1	-	-	-	Y
17 ROPEWAY SYSTEM <i>STRONGPOINT, HOLDING-DOWN BOLTS EVIDENT.</i>	3	3	1	1	-	-	-	Y
18 ROPEWAY SYSTEM WINDING HOUSE <i>HOLDING-DOWN BOLTS SURVIVE.</i>	3	3	1	1	-	-	-	Y
19 ROPEWAY SYSTEM WINDING HOUSE <i>HOLDING-DOWN BOLTS SURVIVE.</i>	3	3	1	1	-	-	-	Y
20 ROPEWAY SYSTEM WINDING ENGINE <i>WINDING ENGINE BY HENDERSON'S OF ABERDEEN SURVIVES: WINCH-TYPE ENGINE. IN GOOD CONDITION. PRACTICALLY COMPLETE. DRUM SURVIVES AS INTEGRAL PART OF MACHINE. ROPE CHANNEL AND SHEAVE BASE EVIDENT BETWEEN FEATURE AND (22).</i>	1	1	1	1	-	Y	-	Y
21 STRONGPOINT	3	3	1	1	-	-	-	Y
22 ROPEWAY SYSTEM <i>A COLLAPSED BLONDIN MAST SURVIVES ON A STRONGPOINT HERE, WITH MACHINERY AND PULLEYS.</i>	3	3	1	1	-	-	-	Y
25 EMBANKMENT	1	1	1	1	-	-	-	Y

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20031 BLAEN Y CAE

SH45SE SH49805350 Scale: 1:5000

Diversity 1 Archive Val. 3 Archaeol. Record 3 Amenity Val. 2 Visual Amenity 1

*This compact and well-preserved site best exemplifies the Nantlle method of pit-quarrying and Nantlle processing methods. The whole quarry is therefore considered to be of national importance, and is the only quarry in Gwynedd which has been included in its entirety in the recommendations.*

## LIST OF QUARRY FEATURES

	S	C	F	V	P	R	PO	GV
1 INCLINE COUNTERBALANCE	1	1	1	1	-	-	-	Y
2 RETAINING WALL	1	3	1	1	-	-	-	Y
3 INCLINE DRUMHOUSE THROUGH DRUMHOUSE.	2	1	1	1	-	-	-	Y
4 MILL LONGITUDINAL CRUSHER HERE.	3	1	1	1	-	-	-	Y
5 MILL ENGINE HOUSE COMPLEX FEATURE, CONTAINS WOODEN CYLINDER BLOCK.	3	1	1	1	-	-	-	Y
6 PILLARS HOLDING-DOWN BOLTS ON TOP OF EACH SUGGEST THAT THEY SUPPORTED LINE SHAFING AND THAT MACHINES STOOD IN THE OPEN AT (7)	1	1	1	1	-	-	-	Y
7 MILL MILL NEVER ROOFED.	1	1	1	1	-	-	-	Y
8 MILL DRESSING ALCOVES	1	1	1	1	-	-	-	Y
9 RAMP	1	1	1	1	-	-	-	Y
10 MACHINE BASE HOLDING-DOWN BOLTS.	1	1	1	1	-	-	-	Y
12 INCLINE COUNTERBALANCE	1	1	1	1	-	-	-	Y
13 RETAINING WALL	1	1	1	1	-	-	-	Y
14 RETAINING WALL	1	3	1	1	-	-	-	Y
15 STRUCTURE	1	1	1	1	-	-	-	Y
16 LAUNDER SYSTEM PILLARS.	1	1	1	1	-	-	-	Y
17 INCLINE DRUMHOUSE REMOTE.	1	1	1	1	-	-	-	Y
18 QUARRY FACE	1	1	1	1	-	-	-	Y
19 WATERWHEEL PIT FOR BACKSHOT WHEEL.	1	1	1	1	-	-	-	Y
20 WATER CHANNEL FOR BURIED WATER-COURSE. CORBELLED OPENING.	1	1	1	1	-	-	-	Y
21 SHELTER	3	2	1	1	-	-	-	Y
22 STRUCTURE CONTAINED VARIOUSLY STORE, SMITHY, CARPENTER'S SHOP, SAW TABLES, DRESSING AREA.	2	1	3	1	-	-	-	Y
23 OFFICE PATTERNED SLATE ROOF; BUILDING IN DANGER OF COLLAPSE -- FOUNDATIONS WEAKENING.	1	1	3	1	-	-	-	Y
24 PILLARS	2	1	1	1	-	-	-	Y
25 ROPEWAY SYSTEM SHEAVE BASE ONLY.	1	1	1	1	-	-	-	Y
26 SHELTER ?PRIVY	1	1	1	1	-	-	-	Y
27 ROPE CHANNEL?	2	2	1	1	-	-	-	Y
28 MACHINE BASE HOLDING-DOWN BOLTS.	1	1	1	1	-	-	-	Y
29 STRUCTURE CONTAINS HEAVY HINGED WOODEN LID.	1	1	1	1	-	-	-	Y
30 STRUCTURE HOLDING-DOWN BOLTS AND BRAKE LEVER. SLATE-BUILT.	3	2	1	1	-	-	-	Y
31 WEIGHBRIDGE HOUSE	1	1	1	1	-	-	-	Y
32 CABAN?	1	1	1	1	-	-	-	Y
33 STRUCTURE CONTAINS WOODEN-BASED MACHINE-SUPPORT ON SLATE PLINTH.	1	1	1	1	-	-	-	Y
34 ROAD	3	3	1	1	-	-	-	Y

					Class	2.0	
35	QUARRY PIT	1	1	1	1	-	Y
	ROCKFALLS EVIDENT. FLOODED.						
36	PRIVY	1	1	1	1	-	Y
37	SHELTER	1	1	1	1	-	Y
38	ROPEWAY SYSTEM WINDING HOUSE	3	3	1	1	-	Y
39	CABAN?	1	1	1	1	-	Y
40	MAGAZINE?	2	2	1	1	-	Y
41	CHIMNEY	1	1	1	1	-	Y
	BASE ONLY, SLATE-BUILT. BOILER FRAGMENTS NEARBY.						
42	MILL ENGINE HOUSE	2	1	1	1	-	Y
	DRUM FOUNDATIONS EVIDENT.						

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Diversity 1 Archive Val. 1 Archaeol. Record 1 Amenity Val. 1 Visual Amenity 1

The ancillary buildings and stables at Dorothea best illustrate the range of structures necessary to carry on the work of a large slate quarry, and enhance the value of the features here which have already been scheduled. The archaeological value of the site is considerably enhanced by an abundant archival resource and by academic research.

## LIST OF QUARRY FEATURES

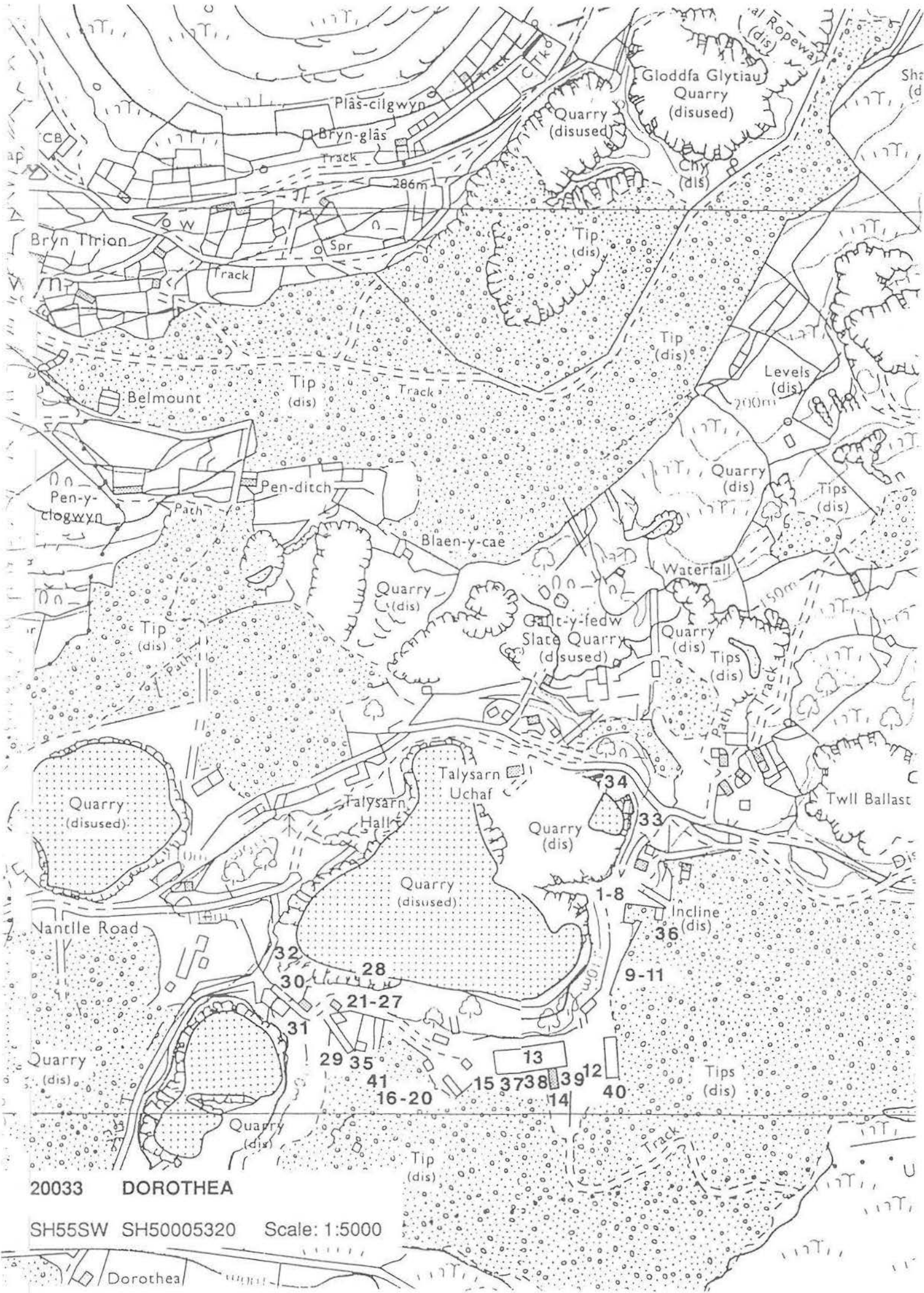
	S	C	F	V	P	R	PO	GV
1 RAILWAY	1	1	1	1	-	-	-	-
2 DOUBLE ARCH	1	1	1	1	-	-	-	-
3 STRUCTURE	1	1	1	1	-	-	-	-
4 DWELLING	1	1	1	1	-	-	-	-
5 INCLINE UPHAULAGE MECHANICAL TRWNC.	1	1	1	1	-	-	-	-
6 STRUCTURE	3	3	3	3	-	-	-	-
7 ROPEWAY SYSTEM	1	3	3	3	-	-	-	-
8 STRONGPOINT POSSIBLY A TIPPING-POINT RATHER THAN A ROPEWAY SITE.	1	1	1	1	-	-	-	-
9 WEIGHBRIDGE HOUSE	1	1	1	1	-	-	-	-
10 OBLITERATED	3	3	3	3	-	-	-	-
11 STRUCTURE	3	3	3	3	-	-	-	-
12 MILL LONGITUDINAL CONCRETE MACHINE BASES EVIDENT	3	2	1	1	-	-	-	-
13 MILL LONGITUDINAL MACHINE BASES EVIDENT, AXLE BOXES FOR LINE SHAFTING SURVIVE.	2	1	2	2	-	-	-	-
14 STACKYARD	3	3	3	3	-	-	-	-
15 GWALIAU	1	1	2	2	-	-	-	Y
16 SMITHY ADJACENT COAL YARD AND STORES. A NUMBER OF HEARTHES SURVIVE.	1	1	1	1	-	-	-	Y
17 WATERWHEEL PIT ON A LOWER LEVEL THAN FEATURES (1) TO (4), (6) TO (16), AND MAY REPRESENT THE ORIGINAL LEVEL OF THE QUARRY BANK.	3	3	2	2	-	-	-	Y
18 DETONATOR HOUSE PRIVY BEHIND.	1	1	1	1	-	-	-	Y
19 STABLES SLATE SLAB STALLS SURVIVE IN WESTERNMOST PART.	3	2	2	2	-	-	-	Y
20 STORE	1	1	1	1	-	-	-	Y
21 OFFICE	3	2	2	2	-	-	-	Y
22 STABLES FOR ACCOMMODATION OF HIRED HORSES DURING THE DAY.	1	1	1	1	-	-	-	Y
23 RETAINING WALL	1	1	1	1	-	-	-	Y
24 INCLINE UPHAULAGE MECHANICAL TRWNC.	3	3	2	2	-	-	-	-
25 LOCOMOTIVE SHED	3	2	2	2	-	-	-	-
26 ROPEWAY SYSTEM HUGE STRONGPOINT SURVIVES, TWO PARALLEL ROPEWAYS.	1	1	1	1	-	-	-	-
27 ROPEWAY SYSTEM WINDING HOUSE	1	1	1	1	-	-	-	-
28 ROPEWAY SYSTEM STRONGPOINT SURVIVES.	2	1	1	1	-	-	-	-
29 INCLINE UPHAULAGE MECHANICAL TRWNC.	1	1	1	1	-	-	-	-
30 STRUCTURE HOLDING-DOWN BOLTS AND FRAGMENTS OF IRONWORK SURVIVE.	2	2	2	2	-	-	-	-
31 STEAM PUMPING ENGINE, CORNISH ASSOCIATED FEATURES (CHIMNEY, BOILER HOUSE, ETC., THOUGH NOT SHEER-LEGS) SURVIVE IN SITU.	1	1	2	2	Y	Y	-	-
32 ROAD	3	3	3	3	-	-	-	-
33 ROAD PREDATES (32)?	1	1	1	1	-	-	-	-

20033 DOROTHEA SH50005320					Class		1.0	
34	RAILWAY	1	1	1	-	-	-	-
35	ROPEWAY SYSTEM WINDING HOUSE	2	1	1	1	-	-	-
36	ROPEWAY SYSTEM WINDING HOUSE	2	1	1	1	-	-	-
37	MILL ENGINE HOUSE	2	1	2	2	-	-	-
38	MILL ENGINE HOUSE	2	1	2	2	-	-	-
39	DRYING ROOM	2	1	2	2	-	-	-
40	MILL ENGINE HOUSE	2	1	2	2	-	-	-
41	LOCOMOTIVE SHED	3	3	1	1	-	-	-

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20033 DOROTHEA

SH55SW SH50005320 Scale: 1:5000

Dorothea

Diversity 3 Archive Val. 1 Archaeol. Record 3 Amenity Val. 3 Visual Amenity 2

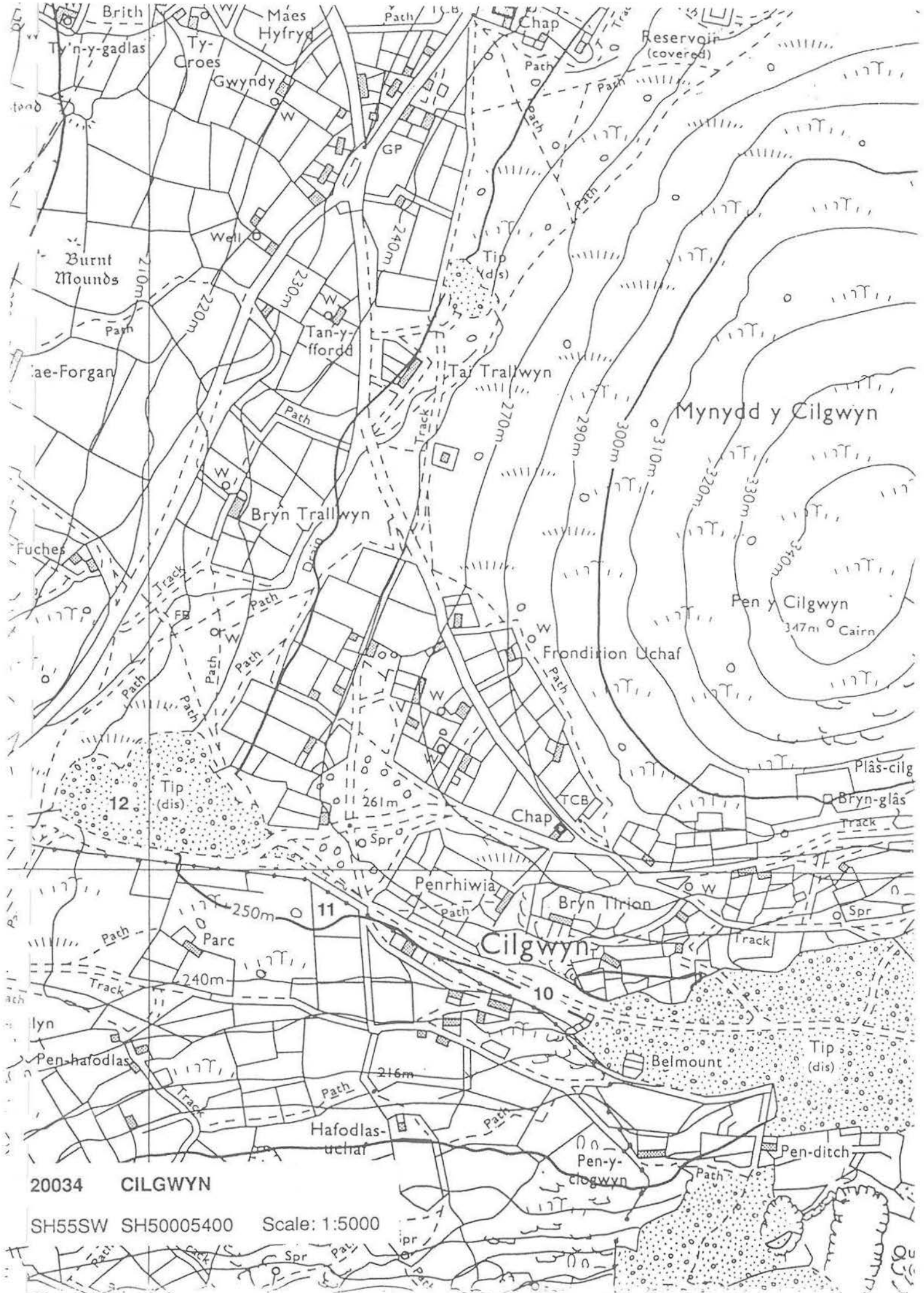
*This once-important quarry has been turned into a corporation dump, and very few features remain. However, the unique and impressive horseshoe tip-run railway is a feature of very considerable importance.*

# LIST OF QUARRY FEATURES

	S	C	F	V	P	R	PO	GV
1 TIPS <i>LARGE AND IMPRESSIVE FEATURE; ITS DISTANCE FROM THE QUARRY, AND THE CIRCUITOUS TIP RUN WHICH GAVE ACCESS TO IT (2), EXEMPLIFIES IN A DIFFERENT WAY FROM THE DOROTHEA STRONGPOINTS THE PARTICULAR DIFFICULTIES OF TIPPING IN THE NANTLLE REGION.</i>	1	1	1	1	-	Y	-	Y
2 TIPS <i>THIS IMPRESSIVE FEATURE EXEMPLIFIES A NUMBER OF APPROACHES TO THE DUMPING OF RUBBLE; IT IS A SINGLE LINEAR FEATURE. DEMONSTRATING THE USE OF LOCOMOTIVES, COMPARED TO THE FINGER-RUN TIPS DESIGNED TO MINIMISE THE DISTANCE TO THE TIPPING COB IN HAND-TRAMMING; THE SPEED AND PAYLOADS REQUIRED ALSO EXEMPLIFY THE SHIFT AWAY FROM DEWINTON LOCOMOTIVES TO CONVENTIONAL HORIZONTAL-BOILER TANK LOCOS.</i>	1	1	1	1	-	Y	-	Y
3 WATER STORAGE <i>RESERVOIR IMPOUNDED BY DAM.</i>	1	2	1	1	-	-	-	-
4 ROAD	1	1	1	1	-	-	-	-
5 ROPEWAY SYSTEM <i>MAST LEFT BY SIDE OF ROAD; TOP PART ONLY SURVIVES; TENSIONING CABLE BASES SURVIVE ON OPPOSITE SIDE OF QUARRY PIT.</i>	3	1	1	1	-	-	-	-
6 INCLINE UPHAULAGE <i>VERY STEEP, POSSIBLY A TRWNC; SURVIVES ONLY AS SLOT IN THE SIDE OF THE QUARRY PIT. ADJACENT CHIMNEY MARKED ON MOST RECENT 1/10,000 MAP HAS VANISHED.</i>	1	2	2	2	-	-	-	-
7 QUARRY PIT <i>IN REUSE AS ARFON BOROUGH COUNCIL DUMP.</i>	1	3	1	3	-	-	-	-
8 QUARRY PIT <i>AS FOR (7).</i>	1	3	1	3	-	-	-	-
9 MACHINE BASE	3	3	1	2	-	-	-	-
10 TIPS <i>IN REUSE AS ROAD. SUBSTANTIALLY ENGINEERED FOR LOCOMOTIVE WORKING AND HEAVY PAYLOADS.</i>	1	2	2	2	-	-	-	-
11 BRIDGE <i>CARRIED (10) OVER ACCOMMODATION ROAD TO PARC BEL.</i>	1	1	2	1	-	-	-	-
12 TIPS	1	1	1	1	-	-	-	-
13 RAILWAY	1	3	2	1	-	-	-	-
14 INCLINE COUNTERBALANCE <i>BARELY VISIBLE.</i>	3	3	3	1	-	-	-	-

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Diversity 2 Archive Val. 3 Archaeol. Record 2 Amenity Val. 3 Visual Amenity 3

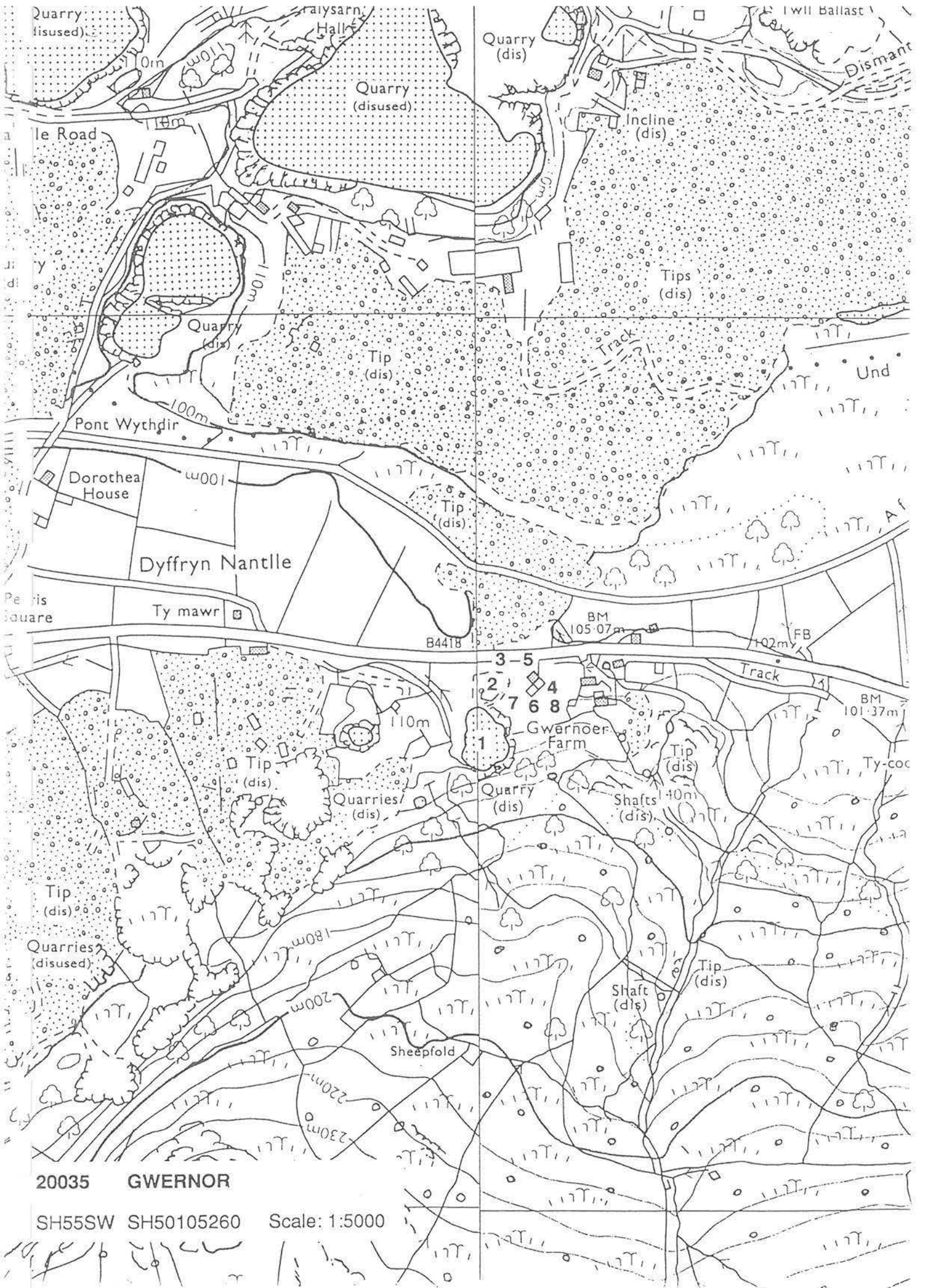
## LIST OF QUARRY FEATURES .

		S	C	F	V	P	R	PO	GV
1	QUARRY PIT <i>FLOODED.</i>	1	2	1	1	-	-	-	-
2	ROPEWAY SYSTEM <i>STRONGPOINT SURVIVES.</i>	1	1	1	1	-	-	-	-
3	BRIDGE <i>SITE ONLY.</i>	3	3	3	3	-	-	-	-
4	MILL BAY	2	2	1	1	-	-	-	-
5	OFFICE <i>RE-ROOFED. IN RE-USE AS outhouse.</i>	1	1	1	1	-	-	-	-
6	ROPEWAY SYSTEM WINDING HOUSE	2	2	1	1	-	-	-	-
7	STRUCTURE <i>REDUCED TO FOUNDATIONS. FUNCTION OBSCURE.</i>	3	3	2	2	-	-	-	-
8	MILL DRESSING ALCOVES	2	2	2	1	-	-	-	-

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 SKINNER, [OFFICIAL RECORDS] SKINNERS MANUAL, 1909





Diversity 2 Archive Val. 3 Archaeol. Record 3 Amenity Val. 2 Visual Amenity 2

The complex at the western end of the site is the best surviving example of the interrelationship of processing, haulage and tipping in Nantlle, and the valley's problems of working within a limited area.

## LIST OF QUARRY FEATURES

	S	C	F	V	P	R	PO	GV
1 RAILWAY EQUIPMENT <i>FRAGMENT OF PLATE-RAIL DISCOVERED HERE APRIL 1994 BY BRYNLEY JONES, BRO SILYN, TAL Y SARN AND G P JONES, PEN Y GROES, SUBSEQUENTLY LENT TO GAT.</i>	3	1	1	1	-	-	-	-
2 WATERWHEEL PIT <i>FRAGMENTS OF CAST-IRON FLATROD ROCKERS SURVIVE.</i>	1	2	1	1	-	Y	-	Y
3 FLATROD SUPPORTS <i>FROM (2) AND (13) TO (17) AND (23)?</i>	1	1	1	1	-	Y	-	Y
4 FLATROD SUPPORTS <i>AS FOR (3).</i>	2	3	1	1	-	Y	-	Y
5 ROPEWAY SYSTEM <i>WINDING ENGINE HOUSE, DRUM BASE WITH HOLDING-DOWN BOLTS EVIDENT.</i>	3	3	2	1	-	-	-	Y
6 ROPEWAY SYSTEM <i>SITE ONLY.</i>	3	2	1	1	-	-	-	Y
7 GALLERY	2	1	1	1	-	-	-	Y
8 PILLARS <i>LOW.</i>	1	2	1	1	-	-	-	Y
9 ROPE CHANNEL <i>UNDER FOOTPATH.</i>	2	2	1	1	-	-	-	Y
10 SHELTER <i>PART CUT INTO ROCK.</i>	2	1	1	1	-	-	-	Y
11 FLATROD SUPPORTS <i>LARGE SLATE-BUILT STRUCTURE, POSSIBLY TO TAKE POWER BY ROPE OR FLATROD FROM (4).</i>	1	1	1	1	-	Y	-	Y
12 FLATROD SUPPORTS <i>SMALL SLATE-BUILT STRUCTURE.</i>	1	1	1	1	-	Y	-	Y
13 WATERWHEEL PIT <i>IMPRESSIVE FEATURE: HOLDING-DOWN BOLTS SURVIVE. ALSO FRAGMENT OF FLATROD ROCKERS. BALANCE-BOB PIT EVIDENT BY THE SIDE OF THE WHEELPIT.</i>	2	2	1	1	-	Y	-	Y
14 WATER CHANNEL <i>SERVES FEATURE (3). TWO PARALLEL, ONE CARRIED ON PILLARS, OTHER IN CHANNEL ON GROUND.</i>	2	2	1	1	-	Y	-	Y
15 STEAM ENGINE SITE? <i>FIREBARS FOUND HERE.</i>	3	3	3	3	-	-	-	-
16 ROAD?	2	2	1	1	-	-	-	-
17 PILLARS <i>LOW.</i>	3	3	1	1	-	-	-	-
18 STRUCTURE <i>FUNCTION OBSCURE; WILL SHORTLY FALL INTO (19).</i>	3	3	3	3	-	-	-	-
19 QUARRY PIT	1	1	1	1	-	-	-	-
20 STRONGPOINT <i>POSSIBLY THE HEAD OF AN INCLINE TO (19) OF WHICH THE CRIMP ONLY SURVIVES, OR A WINDING BASE.</i>	3	3	3	1	-	-	-	-
21 DWELLING <i>POSSIBLE RE-USE AS SMITHY IN ONE CASE -- FIREPLACE ADDED.</i>	3	3	1	1	-	-	-	-
22 EMBANKMENT	1	1	1	1	-	-	-	-
23 PUMP <i>BELLCRANK BASE NEARBY.</i>	1	1	1	1	-	-	-	Y
24 QUARRY PIT	1	3	1	1	-	-	-	-
25 GWALIAU	1	3	1	1	-	-	-	-
26 BRIDGE <i>ABUTMENTS ONLY SURVIVE.</i>	2	2	1	1	-	-	-	-
27 BRIDGE <i>ABUTMENTS ONLY SURVIVE.</i>	2	2	1	1	-	-	-	-
28 OBLITERATED	3	3	3	3	-	-	-	-

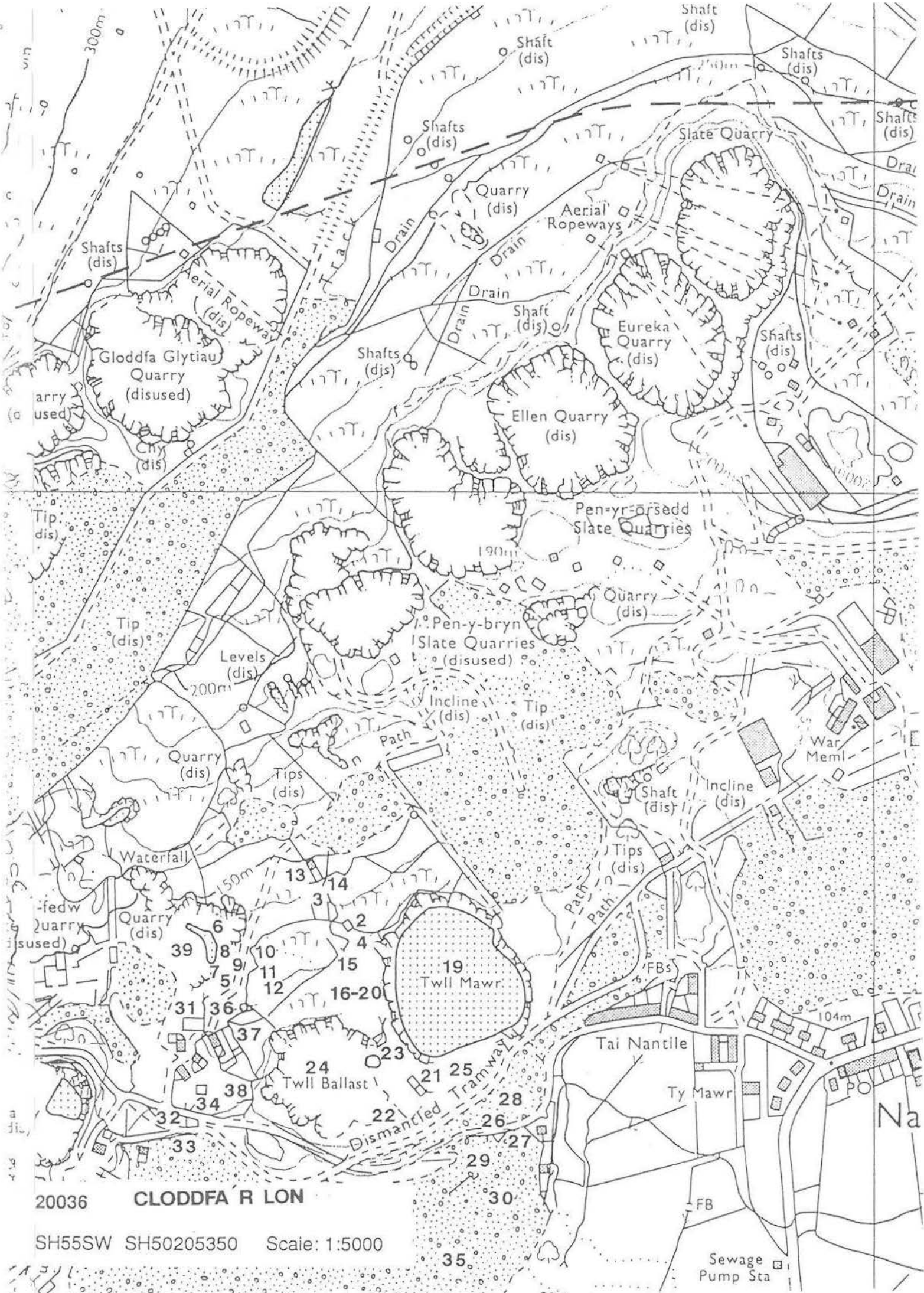
20036 CLODDFA'R LON SH50205350

					Class	2.0	
29	STRUCTURE	3	3	1	1	-	-
	HEAVILY DILAPIDATED.						
30	TIP CONTRACTORS' WORKINGS	1	1	1	1	-	-
31	MILL	1	1	1	1	-	-
	SQUARE-PLAN CHIMNEY INDICATES STEAM-POWER.						Y
32	BRIDGE	2	1	1	1	-	-
33	STRUCTURE	-	-	-	-	-	-
	INACCESSIBLE; ON TOP OF 32.						Y
34	ROPEWAY SYSTEM WINDING HOUSE	1	1	1	1	-	-
	MECHANICALLY POWERED. A HUGE STRUCTURE, WHICH SUGGESTS A COLLIERY-TYPE WINDING ENGINE.						Y
35	TIP CONTRACTORS' WORKINGS	1	1	1	1	-	-
36	STRONGPOINT	1	1	2	1	-	-
37	DWELLINGS	2	2	2	2	-	-
	ROW OF COTTAGES, 19TH CENTURY, BUT POSSIBLY CONTAINING FRAGMENTS OF EARLIER BUILDING.						Y
38	ROPEWAY SYSTEM	3	2	2	2	-	-
	STRONGPOINT ONLY.						-
39	QUARRY PIT	3	2	2	2	-	-
	USED AS TIP BY GALLT Y FEDW.						-

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20036 CLODDFA R LON

SH55SW SH50205350 Scale: 1:5000

Diversity 2 Archive Val. 3 Archaeol. Record 3 Amenity Val. 2 Visual Amenity 2

The railway transshipment dock is a unique survivor of a type of technology once found in a number of locations on the railway systems which served the Gwynedd slate industry.

## LIST OF QUARRY FEATURES

	S	C	F	V	P	R	PO	GV
1 RAILWAY	1	1	1	1	-	Y	-	Y
2 RAILWAY TRANSHIPMENT DOCK FOR LOADING 2' GAUGE WAGONS ON TO 3'6" GAUGE WAGONS.	1	1	1	1	-	-	-	Y
3 WEIGHBRIDGE HOUSE	1	1	1	1	-	-	-	Y
4 STRUCTURE ROUND.	3	2	1	1	-	-	-	Y
5 ADIT	1	1	1	1	-	-	-	Y
6 INCLINE COUNTERBALANCE CATENARY SECTION.	1	1	1	1	-	-	-	Y
7 STRUCTURE STRONGPOINT OR SHEAVE SUPPORT? SLATE-BUILT.	3	2	1	1	-	-	-	-
8 STRUCTURE	3	2	1	1	-	-	-	-
9 RAILWAY EQUIPMENT REMAINS OF WAGON DRE.	2	1	1	1	-	-	-	-
10 RAILWAY EQUIPMENT RUBBISH WAGON.	2	1	1	1	-	-	-	-
11 ADIT COLLAPSED.	-	-	-	-	-	-	-	-
12 WATER CHANNEL UNDERGROUND WATER-CHANNEL. EMERGES FROM UNDER TIP.	1	1	1	1	-	-	-	-
13 INCLINE DRUM HOUSING PART OF BRAKE SURVIVES.	1	1	1	1	-	-	-	-
14 TIPS CONTRACTORS' WORKINGS ON SITE OF STACKYARD.	3	3	1	1	-	-	-	-
15 CUTTING TO FLOOR OF (16)	1	1	1	1	-	-	-	-
16 QUARRY FACE	1	1	1	1	-	-	-	-
17 ROAD	1	1	1	1	-	-	-	-
18 SHELTER	1	2	1	1	-	-	-	-
19 GWAL	1	1	1	1	-	-	-	-
20 QUARRY FACE	1	1	1	1	-	-	-	-
21 MACHINE BASE HOLDING-DOWN BOLTS.	1	1	1	1	-	-	-	-
22 COMPRESSOR HOUSE? FRAGMENTS OF IRON PIPE SURVIVE NEARBY.	3	3	1	1	-	-	-	-
23 PELTON WHEEL SITE? PART OF BRAKE SURVIVES.	3	2	1	1	-	-	-	-
24 STEAM ENGINE SITE FIREBRICKS AND FIREBARS IN RUBBLE.	3	3	1	1	-	-	-	-
25 MILL ENGINE HOUSE FOR (26).	1	1	1	1	-	-	-	-
26 MILL LONGITUDINAL	3	1	1	1	-	-	-	-
27 SMITHY	2	1	1	1	-	-	-	-
28 MACHINE BASE HOLDING-DOWN BOLTS.	2	2	1	1	-	-	-	-
29 INCLINE COUNTERBALANCE	2	2	1	1	-	-	-	-
30 INCLINE DRUMHOUSE THROUGH DRUMHOUSE.	3	2	1	1	-	-	-	-
31 STRUCTURE ONE HAS REMAINS OF A FIREPLACE AND 2 WINDOWS. AND MAY BE A CABAN; THE OTHERS ARE HARD TO IDENTIFY.	2	2	1	1	-	-	-	-
32 WEIGHBRIDGE HOUSE	1	1	1	1	-	-	-	-
33 RETAINING WALL	3	2	1	1	-	-	-	-
34 STRUCTURE	3	3	1	1	-	-	-	-
35 SHELTER	3	3	1	1	-	-	-	-
36 ADIT	1	1	1	1	-	-	-	-



20037 PEN Y BRYN SH50405380

37 TIP CONTRACTORS' WORKINGS

38 QUARRY PIT

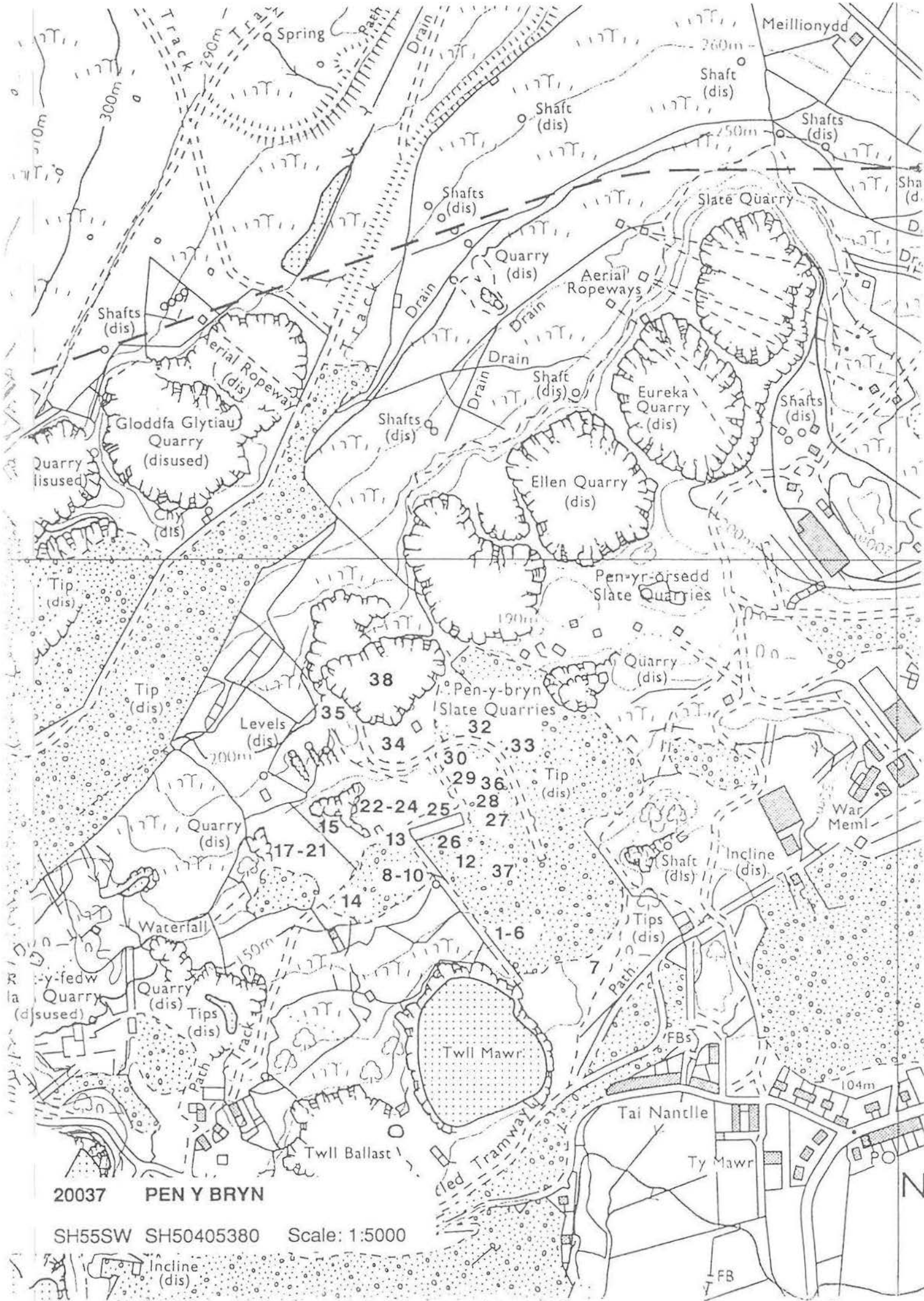
				Class	2.0
2	2	1	1	-	-
1	1	1	1	-	-

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The middle level (Bonc yr Offis) at this site contains the best group of processing, ancillary, administrative and domestic buildings in the industry. The mill exemplifies the sequence of power-types (water-wheel, steam, electricity) and rope-transmission. On the upper level (Bonc Brig) the ropeway systems are already scheduled, but the locomotive shed and weighbridge are also considered to be of national importance. The value of the site is enhanced by a good archive resource.

## LIST OF QUARRY FEATURES

	S	C	F	V	P	R	PO	GV
1 SHAFT-HEAD SHAFT COLLAPSED.	3	2	1	1	-	-	-	-
2 INCLINE COUNTERBALANCE ROAD BUILT ACROSS TRACE.	3	3	1	1	-	-	-	Y
3 INCLINE DRUMHOUSE THROUGH DRUMHOUSE. EVIDENCE OF EXTENSION. EXCELLENT CONDITION; MACHINERY INTACT. SOME RAILS.	1	1	1	1	-	-	-	Y
4 LOCOMOTIVE SHED	1	1	1	1	-	-	-	Y
5 STRUCTURE	1	1	1	1	-	-	-	Y
6 INCLINE COUNTERBALANCE	1	1	1	1	-	-	-	Y
7 INCLINE DRUMHOUSE THROUGH DRUMHOUSE. EVIDENCE OF ALTERATION.	1	1	1	1	-	-	-	Y
8 MILL ROOF AND PART OF LINE-SHAFT INTACT. EARLY SLAB MILL. STEAM POWERED.	1	1	1	1	-	-	-	Y
9 MILL TRANSVERSE LARGE 2-GABLE, ROOF INTACT. SOME LINE-SHAFTING WITH BELT-WHEELS. APPARENTLY POWERED BY WIRE-ROPE FROM (21) VIA PULLEYS ON (16) AND (18).	2	2	2	2	-	-	-	Y
10 ROPEWAY SYSTEM WINDING HOUSE INTERESTING WALL-PAINTINGS OF ANIMALS. ENGINE BASE EVIDENT.	1	1	1	1	-	-	-	Y
11 QUARRY PIT HEAVILY WOODED.	1	1	1	1	-	-	-	Y
12 ROPEWAY SYSTEM WINDING HOUSE ENGINE-BASE EVIDENT.	1	1	1	1	-	-	-	Y
13 STRUCTURE POSSIBLY A STABLE; ROOF COLLAPSING.	2	3	3	1	-	-	-	Y
14 PRIVY EXCELLENT CONDITION.	1	1	1	1	-	-	-	Y
15 ADIT CORBELLED.	1	1	1	1	-	-	-	Y
16 STRUCTURE SLATE-BUILT, FOUR-SIDED. CONTAINS BASES FOR 2 PULLEYS AT SUMMIT. 1 TO RECEIVE POWER FROM (18). OTHER TO TRANSMIT POWER TO (9).	1	1	1	1	-	-	-	Y
17 STRUCTURE DEMOLISHED, RUBBLE ONLY.	3	3	1	1	-	-	-	Y
18 STRUCTURE SLATE-BUILT. DESIGNED TO SUPPORT MACHINERY - WHEEL, ROLLER OR SHEAVE -- SINCE THERE IS EVIDENCE OF HOLDING-DOWN BOLTS ON THE TOP.	1	1	2	2	-	-	-	Y
19 WATER CHANNEL OVERFLOW FROM (21).	1	1	1	1	-	-	-	Y
20 MILL SE INTACT, NW DEMOLISHED; CONTAINS ACCUMULATOR. 2 HYDRAULIC SAW TABLES BY DEWINTON & CO., VERY LARGE SIZE. AND A PLANER IN LEAN-TO.	2	1	3	2	-	Y	-	Y
21 WATERWHEEL PIT ELECTRIC MOTOR HOUSING CONSTRUCTED ON TOP OF WHEELPIT. POSSIBLY ALSO TRACE OF A STEAM ENGINE - PIPING SURVIVES IN STRUCTURE.	1	1	1	1	-	-	-	Y
22 WORKSHOPS POSSIBLE OFFICE?	1	1	1	1	-	-	-	Y
23 LAUNDER SYSTEM PILLARS.	2	2	1	1	-	-	-	Y

20039 PEN YR ORSEDD SH51005380				Class		1.0		
24	STRUCTURE	2	2	1	1	-	-	Y
	DOMESTIC/ANCILLARY?							
25	CABAN?	2	2	1	1	-	-	Y
26	CABAN	G	2	1	1	-	-	Y
27	PRIVY	1	1	1	1	-	-	Y
28	STEPS	1	1	1	1	-	-	Y
29	WORKSHOPS	1	1	1	1	-	-	Y
30	INCLINE	2	2	1	1	-	-	Y
31	STRUCTURE	1	1	1	1	-	-	Y
32	OFFICE	1	1	1	1	-	-	Y
	EXTERNAL SLATE CLADDING.							
33	HOSPITAL	1	1	1	1	-	-	Y
34	OFFICE	1	1	1	1	-	-	Y
35	YARD	1	1	1	1	-	-	Y
	FOR COAL. CONTAINS THE REMAINS OF 2 WAGENNI DRE, CENTRAL DEPRESSION FOR TURNTABLE. ENCLOSED BY SLATE WALL.							
36	OFFICE?	1	1	1	1	-	-	Y
37	LOCOMOTIVE SHED	1	1	1	1	-	-	Y
38	MAGAZINE	1	1	1	1	-	-	-
39	INCLINE DRUMHOUSE	2	1	1	1	-	-	-
	INCLINE ITSELF HAS VANISHED. THROUGH PATTERN?							
40	STEPS	1	1	1	1	-	-	-
41	MILL LONGITUDINAL	1	1	1	1	-	-	-
	IN USE.							
42	WEIGHBRIDGE HOUSE	1	1	1	1	-	-	-
43	STRUCTURE	1	1	1	1	-	-	-
44	DRYING ROOM	1	1	1	1	-	-	-
	CENTRAL STOVE AND RACKS FOR CLOTHES.							
45	COMPRESSOR HOUSE	1	1	1	1	-	-	Y
	CONTAINS A COMPRESSOR (ORIGINALLY STEAM-DRIVEN) AND ELECTRIC MOTOR.							
46	ELECTRICITY SUBSTATION	1	1	1	1	-	-	Y
47	LOCOMOTIVE SHED	1	1	1	1	-	-	Y
48	ROPEWAY SYSTEM	3	3	1	1	-	Y	Y
	SCRAPPED. FOUNDATIONS VISIBLE.							
49	ROPEWAY SYSTEM	3	3	1	1	-	Y	Y
	SCRAPPED. FOUNDATIONS VISIBLE.							
50	ROPEWAY SYSTEM	2	2	1	1	-	Y	Y
	MAST COLLAPSED BUT IN ORIGINAL LOCATION.							
51	ROPEWAY SYSTEM	1	1	1	1	-	Y	Y
	MASTS, ELECTRIC MOTORS, WINCHES, ETC. INTACT.							
52	ROPEWAY SYSTEM	1	1	1	1	-	Y	Y
	MASTS, ELECTRIC MOTORS, WINCHES ETC INTACT.							
53	ROPEWAY SYSTEM	1	1	1	1	-	Y	Y
	MASTS, ELECTRIC MOTORS, WINCHES ETC INTACT.							
54	ROPEWAY SYSTEM WINDING HOUSE	1	1	1	1	-	Y	Y
	CONTAINS BRUCE-PEEBLES MOTORS, ETC.							
55	ROPEWAY SYSTEM WINDING HOUSE	1	1	1	1	-	Y	Y
	FOR BLONDIN (51).							
56	LOCOMOTIVE SHED	1	1	1	1	-	-	Y
	2-ROAD WITH SURVIVING WATER TOWER, SUITABLE FOR DEWINTON LOCOMOTIVES, TANK FROM WATER-BALANCE INCLINE.							
57	WEIGHBRIDGE HOUSE	1	1	1	1	-	-	Y
	RAILS AND MECHANISM INTACT.							
58	INCLINE DRUMHOUSE	1	1	1	1	-	-	-
	THROUGH DRUMHOUSE.							
59	CABAN	1	1	1	1	-	-	-
60	INCLINE COUNTERBALANCE	1	1	1	1	-	-	-
61	INCLINE WINDING HOUSE	1	1	1	1	-	-	-
	FOR NOW-VANISHED UPHHAULAGE INCLINE. CONTAINS ELECTRIC MOTOR, WINCHES, ETC.							
62	INCLINE SHEAVE	1	1	1	1	-	-	-
	RUNNING OFF (61) FOR NOW-VANISHED UPHHAULAGE INCLINE.							



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63	SHAFT-HEAD	3	2	2	1	-	-	-	-
	SHAFT INTACT AND OVER 600' DEEP.								
64	RAILWAY EQUIPMENT	2	3	1	1	-	-	-	-
	MIXED 2' AND 3' 6" GAUGE RAILS ON CROSS-SLEEPERS.								
65	INCLINE COUNTERBALANCE	3	3	2	3	-	-	-	-
66	ROPEWAY SYSTEM WINDING HOUSE	1	1	1	2	-	-	-	-
	CONTAINS BRUCE-PEEBLES ELECTRIC MOTORS ETC.								

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SH55SW SH51005380 Scale: 1:5000

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## LIST OF QUARRY FEATURES

	S	C	F	V	P	R	PO	GV
1 RETAINING WALL <i>CONTAINS REVETMENT, POSSIBLY A BLOCKED WATER-CHANNEL TO (2).</i>	1	1	1	1	-	-	-	-
2 WATERWHEEL PIT <i>PROBABLE SITE OF WHEEL-PIT.</i>	3	3	1	1	-	-	-	-
3 QUARRY PIT <i>FLOODED.</i>	1	1	1	1	-	-	-	-
4 WATERWHEEL PIT	3	3	2	1	-	-	-	-
5 WATER CHANNEL	3	3	2	1	-	-	-	-
6 ROAD	1	1	1	1	-	-	-	-
7 STRONGPOINT?	1	1	2	1	-	-	-	-
8 STRUCTURE <i>LOW, SLATE-BUILT.</i>	2	3	3	1	-	-	-	-
9 STRUCTURE <i>REWORKED.</i>	3	3	3	3	-	-	-	-
10 WATERWHEEL PIT <i>EXTENDED AT SOME POINT.</i>	2	1	1	1	-	-	-	-
11 INCLINE UPHAULAGE WATERBALANCE	1	1	1	1	-	-	-	Y
12 WATER CHANNEL	1	1	1	1	-	-	-	Y
13 SHAFT-HEAD <i>ROUND-SECTION STRUCTURE ON SHAFT-HEAD. BUILT OUT OF COUNTRY ROCK.</i>	2	1	1	1	-	-	-	-
14 GWAL	1	1	1	1	-	-	-	-
15 STRUCTURE <i>SUBSTANTIAL BUILDING. FUNCTION OBSCURE: 2-STORY, INTERNALLY AND EXTERNALLY RENDERED.</i>	1	3	1	1	-	-	-	-
16 LAUNDER SYSTEM <i>PILLARS.</i>	1	1	1	1	-	-	-	Y
17 BRIDGE <i>WITHIN RETAINING WALL. ATTRACTIVE FEATURE. CORBELLED.</i>	1	1	1	1	-	-	-	-
18 LAUNDER SYSTEM <i>LONG ROW OF PILLARS; IMPRESSIVE FEATURE. SOME ARE LEANING AT DRUNKEN ANGLES.</i>	2	1	3	1	-	-	-	Y
19 GWALIAU	3	3	1	1	-	-	-	-
20 BRIDGE	1	3	3	1	-	-	-	Y
21 STRONGPOINT <i>RETAINING WALL BELOW.</i>	1	1	1	1	-	-	-	-
22 CUTTING	1	1	1	1	-	-	-	-
23 ADIT	-	-	-	-	-	-	-	-
24 TIPS <i>POSSIBLE STRONGPOINT.</i>	1	1	1	1	-	-	-	-
25 INCLINE UPHAULAGE <i>MECHANICALLY POWERED?</i>	2	3	1	1	-	-	-	-
26 PUMP <i>UNDERNEATH THE WATER LEVEL OF (3). ONLY VISIBLE UNDER CERTAIN CONDITIONS.</i>	2	2	2	1	-	-	-	-

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Class 1.0

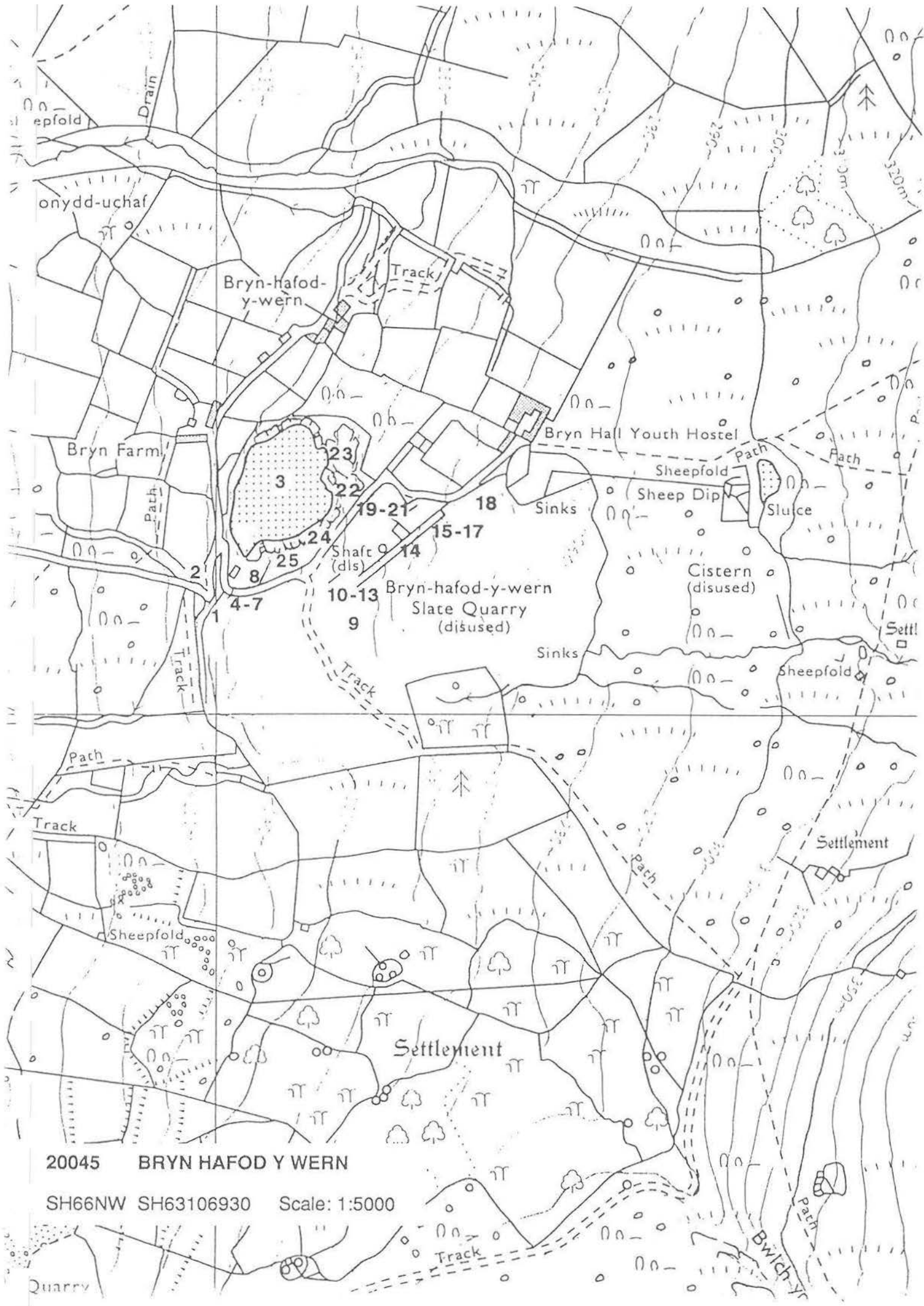
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20045 BRYN HAFOD Y WERN

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Quarry

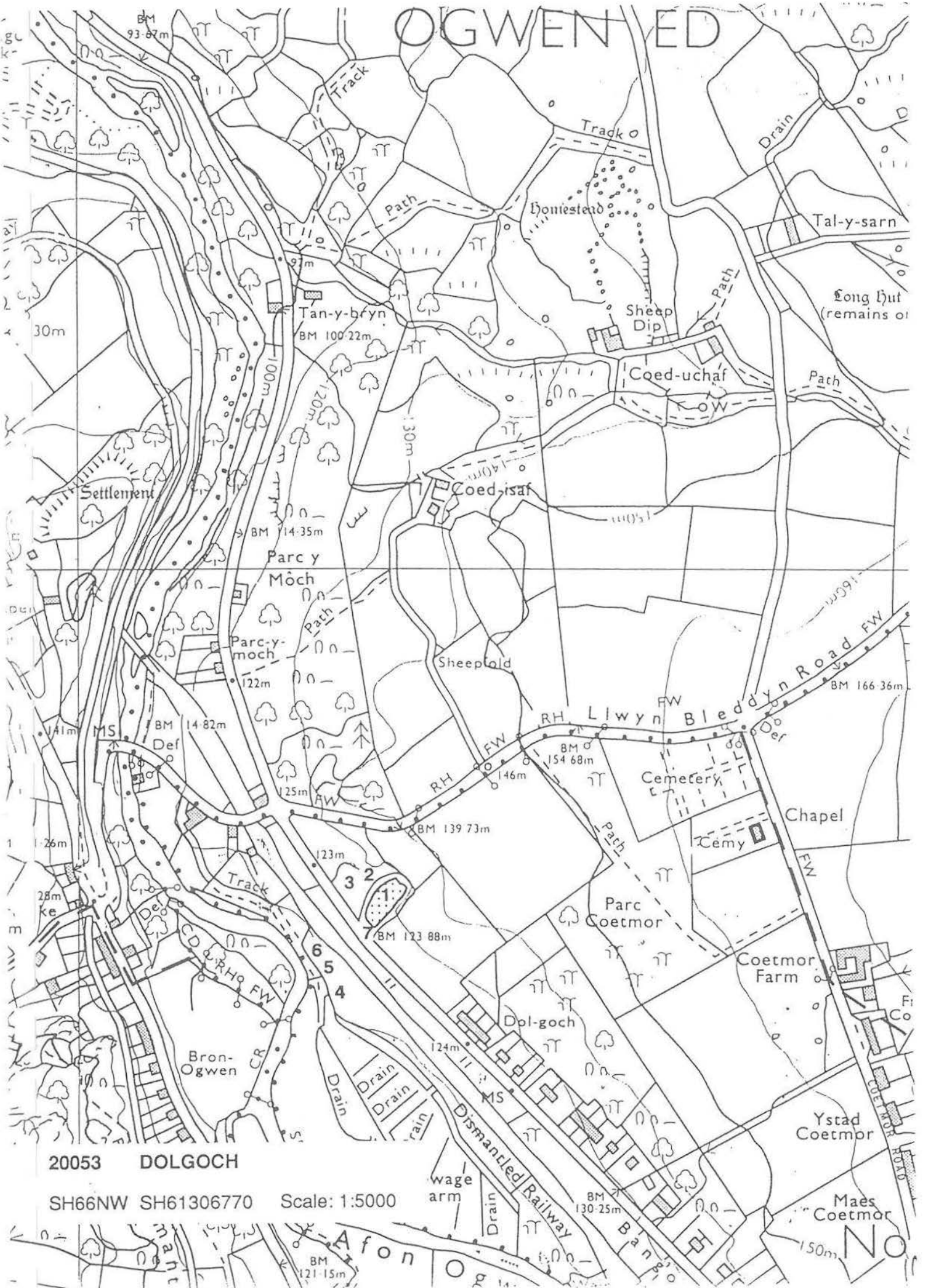
Diversity 3 Archive Val. 3 Archaeol. Record 3 Amenity Val. 3 Visual Amenity 3

## LIST OF QUARRY FEATURES

		S	C	F	V	P	R	PO	GV
1	QUARRY PIT FLOODED	1	1	1	1	-	-	-	-
2	WALL PURPOSE UNCLEAR; STONE-BUILT.	3	2	1	1	-	-	-	-
3	TIPS COMPLETELY GRASSED OVER	1	3	1	1	-	-	-	-
4	WATER CHANNEL	1	2	1	1	-	-	-	-
5	STRUCTURE SHAPED LIKE A BRIDGE ABUTMENT. BUT THERE IS NO CORRESPONDING STRUCTURE ON THE FAR SIDE OF THE RIVER.	2	1	1	1	-	-	-	-
6	TIPS	1	1	1	1	-	-	-	-
7	ROAD OUTCROPS BY SIDE OF ROAD. JUMPER MARKS EVIDENT.	1	1	1	1	-	-	-	-

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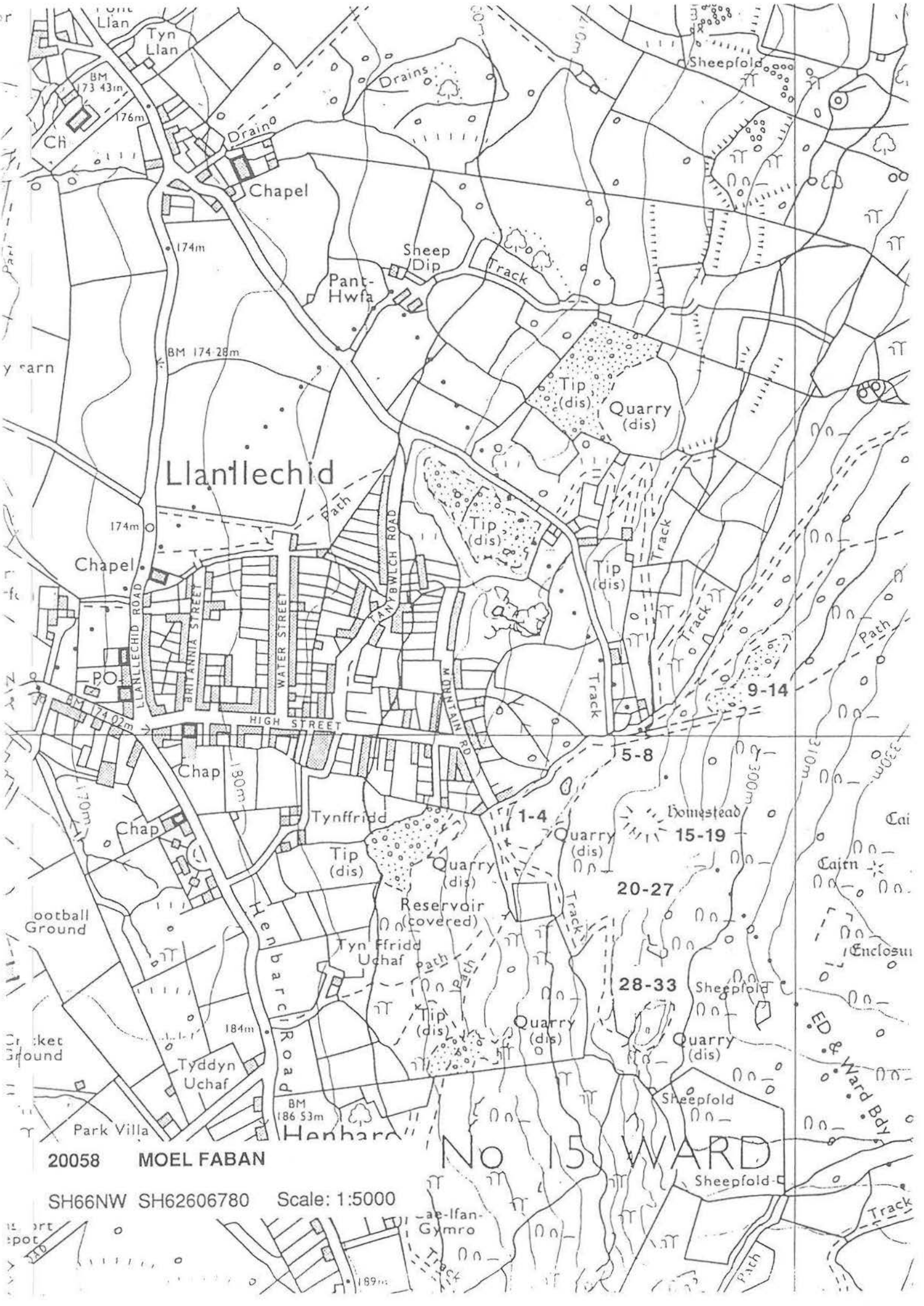
## LIST OF QUARRY FEATURES

		S	C	F	V	P	R	PO	GV
1	TIPS	1	1	1	1	-	-	-	-
2	QUARRY FACE <i>LIMITED EVIDENCE FOR USE OF JUMPER</i>	1	1	1	1	-	-	-	-
3	STRUCTURE	3	3	1	1	-	-	-	-
4	STRUCTURE	3	3	1	1	-	-	-	-
5	INCLINE UPHAULAGE <i>PROBABLY A TRWNC.</i>	1	1	1	1	-	-	-	-
6	BRIDGE <i>ABUTMENTS ONLY SURVIVE.</i>	3	2	1	1	-	-	-	-
7	WATER CHANNEL <i>PARALLEL PATH.</i>	1	1	1	1	-	-	-	-
8	PATH <i>MAY HAVE BEEN A RAILWAY; SOME DEGRADATION, AND POSSIBLE SLEEPER IMPRESSIONS.</i>	1	1	1	1	-	-	-	-
9	MACHINE BASE <i>POSSIBLY THE BASE OF A WATER-BALANCE TANK OR OTHER UPHAULAGE SYSTEM.</i>	3	2	1	1	-	-	-	-
10	STRUCTURE <i>PART-BUILT OUT OF COUNTRY ROCK; FUNCTION UNCERTAIN</i>	3	2	1	1	-	-	-	-
11	GWALIAU?	3	3	2	2	-	-	-	-
12	STRUCTURE	3	3	3	3	-	-	-	-
13	TIPS	1	1	1	1	-	-	-	-
14	WATER CHANNEL	2	1	1	1	-	-	-	-
15	QUARRY FACE	1	1	1	1	-	-	-	-
16	GALLERY	1	1	1	1	-	-	-	-
17	TIPS	1	1	1	1	-	-	-	-
18	TIPS	1	1	1	1	-	-	-	-
19	GWAL?	3	3	2	2	-	-	-	-
	<i>SOUTH EAST DOORWAY SUGGESTS BARROW ACCESS</i>								
20	QUARRY FACE	1	2	1	1	-	-	-	-
21	TIPS <i>PURPLE AND GREEN SLATE</i>	1	1	1	1	-	-	-	-
22	TIPS	1	1	1	1	-	-	-	-
23	QUARRY FACE	1	1	1	1	-	-	-	-
24	TIPS	1	1	1	1	-	-	-	-
25	PATH	1	3	2	1	-	-	-	-
26	TIPS <i>HEAVILY BUILT-UP WITH RETAINING WALL OF COUNTRY ROCK.</i>	1	1	1	1	-	-	-	-
27	LOADING AREA	2	3	1	1	-	-	-	-
29	GWALIAU	3	3	3	3	-	-	-	-
30	ADIT	-	-	-	-	-	-	-	-
31	RETAINING WALL	1	1	1	1	-	-	-	-
32	QUARRY PIT <i>WORKED GREEN AND PURPLE SLATE.</i>	1	3	3	3	-	-	-	-
33	GALLERY	1	3	3	3	-	-	-	-

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Diversity 3.. Archive Val. 3 Archaeol. Record 3 Amenity Val. 3 Visual Amenity 3

## LIST OF QUARRY FEATURES

	S	C	F	V	P	R	PO	GV
1 QUARRY PIT <i>ALMOST ENTIRELY FILLED IN; ONLY PART OF FACE AT NORTHERN END VISIBLE.</i>	3	1	2	2	-	-	-	-
2 QUARRY PIT <i>AREA LANDSCAPED, NO FEATURES REMAINING.</i>	-	-	-	-	-	-	-	-

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*Penrhyn quarry remains the largest slate quarry in the world, and amongst the largest man-made excavations in the world. It is of outstanding historical importance, although much archaeology has been destroyed by the scale of modern working.*

*The Coed y Parc complex is of great importance, as having two early mills and a range of ancillary structures. This complex is being managed by Arfon Borough Council, who hope to set up craft workshops in the existing buildings.*

*Though it was not possible to visit the main quarry site, it is believed that two DeWinton water-balance shafts survive practically intact. If this is the case, these would be of international importance. The quarry has an extensive archive, preserved at CRO and UWB.*

## LIST OF QUARRY FEATURES

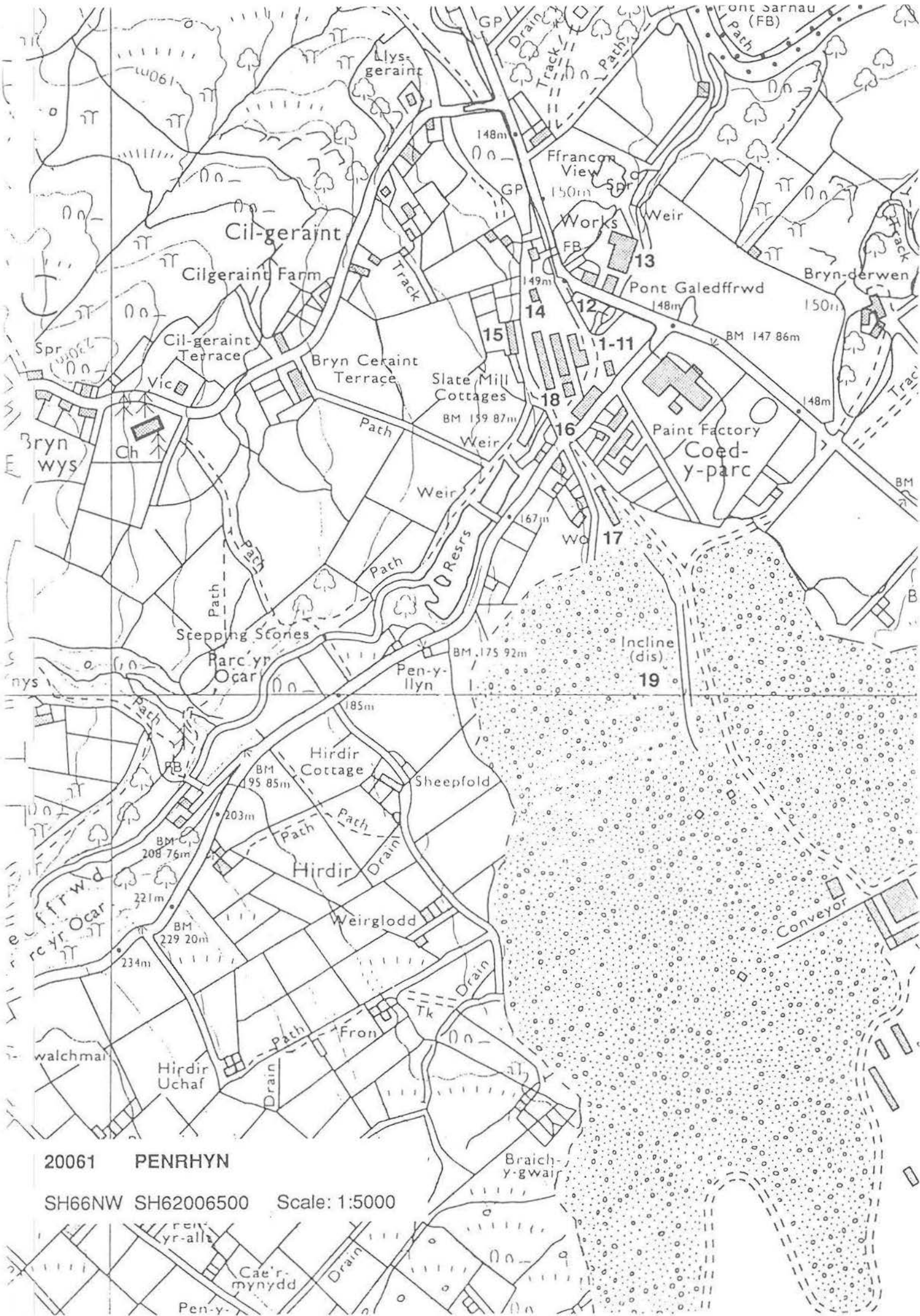
		S	C	F	V	P	R	PO	GV
1	ROAD	1	1	1	1	-	-	-	Y
2	CRANE <i>RUNS ON RAILS; HAND-POWERED.</i>	1	2	2	1	-	-	-	Y
3	STRUCTURE <i>IN PROCESS OF RECONSTRUCTION AT TIME OF VISIT.</i>	2	1	3	3	-	-	-	Y
4	WATERWHEEL PIT <i>STRUCTURE OVER; 30' WHEEL INTACT; POWERED WORKSHOP MACHINERY.</i>	1	1	1	1	-	-	-	Y
5	LOCOMOTIVE SHED <i>2-ROAD. RAILS AND INSPECTION PIT SURVIVE.</i>	1	1	1	1	-	-	-	Y
6	FOUNDRY <i>TALL BUILDING. DISTINCTIVE FOUNDRY ARRANGEMENT.</i>	1	1	1	1	-	Y	-	Y
7	MILL TRANSVERSE <i>ATTRACTIVE STRUCTURE. CONTAINS LINE SHAFING BRACKETS. ROOFED.</i>	1	1	1	1	-	-	-	Y
8	WATERWHEEL PIT <i>WHEELPIT COLLAPSING. WHEEL IN SITU. BELOW MADE-UP GROUND LEVEL.</i>	1	3	3	1	-	-	-	Y
9	MILL TRANSVERSE <i>AS FOR (7).</i>	1	1	1	1	-	-	-	Y
10	WATER CHANNEL <i>APPROX. 25' ABOVE PRESENT MADE-UP GROUND LEVEL. COVERED IN UNSAWN SLABS.</i>	1	1	1	1	-	-	-	Y
11	WATER PIPE	1	1	1	1	-	-	-	Y
12	WATER PIPE <i>SITE ONLY - CONCRETE BASES SURVIVE.</i>	3	1	1	1	-	-	-	Y
13	STRUCTURE	2	1	1	3	-	-	-	Y
14	STRUCTURE	2	1	1	3	-	-	-	Y
15	DWELLINGS	1	1	1	2	-	-	-	Y
16	BRIDGE <i>ATTRACTIVE FEATURE. GIRDER BRIDGE ON SLATE ABUTMENTS OVER RAILWAY.</i>	1	1	1	1	-	-	-	Y
17	STRUCTURE <i>LONG SHED TO ACCOMMODATE PENRHYN QUARRY RAILWAY WORKMANS' CARRIAGES.</i>	2	2	2	1	-	-	-	-
18	INCLINE COUNTERBALANCE	2	3	2	2	-	-	-	-
19	INCLINE SHEAVE <i>SITE ONLY.</i>	3	3	2	2	-	-	-	-
20	INCLINE DIFFERENTIAL GRADIENTS	2	2	2	1	-	-	-	-

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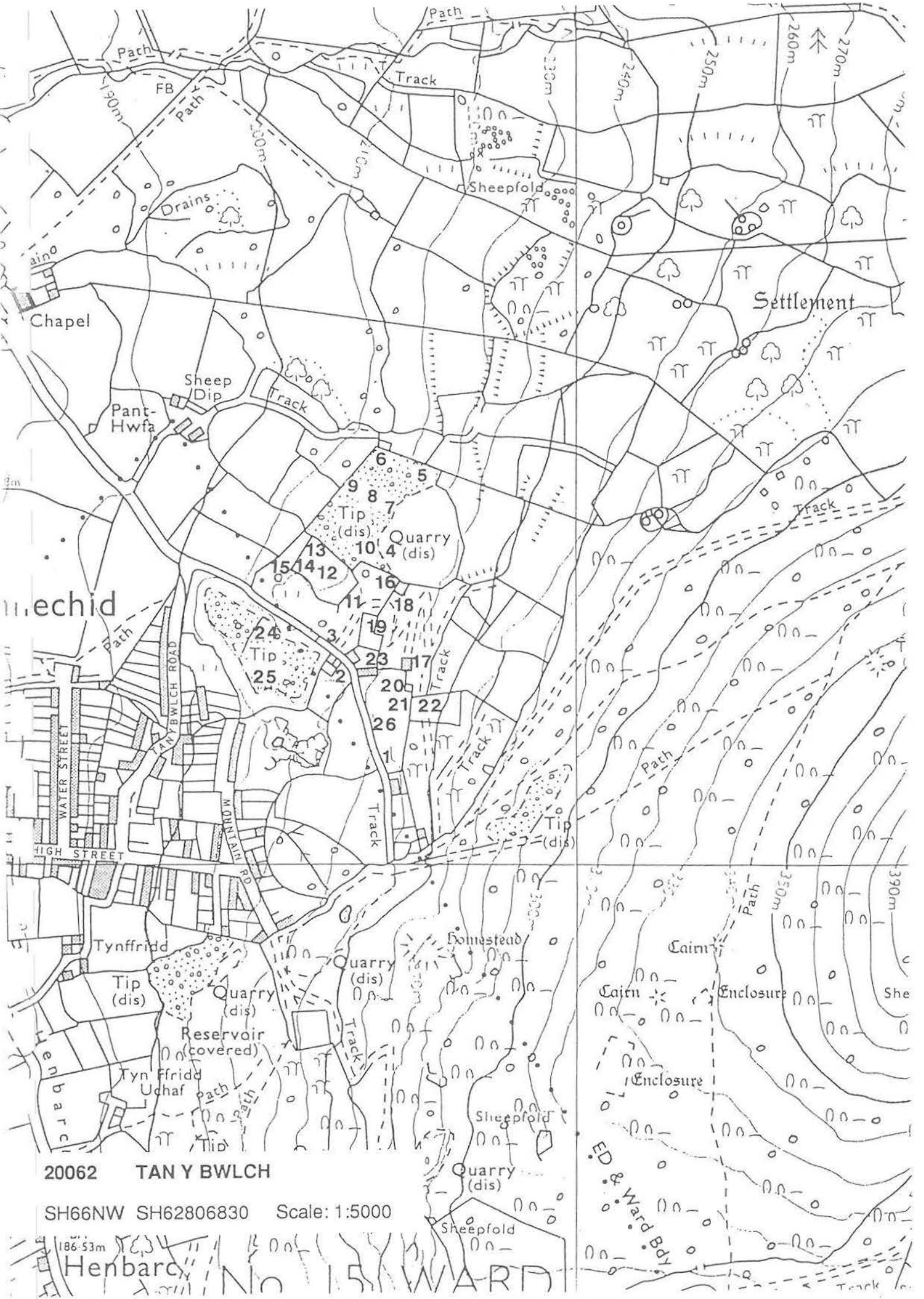
*The shaft winding-engine house is in re-use as a house. Though a similar feature survives at Ty Mawr East, this example and its attendant shaft are in better condition.*

# LIST OF QUARRY FEATURES

		S	C	F	V	P	R	PO	GV
1	ROAD	1	1	1	1	-	-	-	-
2	STRUCTURE <i>IN RE-USE AS A HOUSE.</i>	1	1	1	1	-	-	-	-
3	BRIDGE <i>ABUTMENTS ONLY SURVIVE.</i>	3	2	1	1	-	-	-	-
4	QUARRY PIT <i>FACE COLLAPSING, RUBBLE ON FLOOR.</i>	2	2	2	2	-	-	-	-
5	TIPS	2	2	2	2	-	-	-	-
6	TIPS <i>GRASSED OVER.</i>	2	2	2	2	-	-	-	-
7	RAILWAY <i>TO PIT.</i>	2	2	2	2	-	-	-	-
8	BRIDGE <i>ABUTMENTS ONLY SURVIVE.</i>	3	2	1	1	-	-	-	-
9	TIPS	1	1	1	1	-	-	-	-
10	TIPS <i>EXCAVATION IN PROGRESS AT TIME OF VISIT.</i>	1	1	1	1	-	-	-	-
11	WALL <i>STONE-BUILT.</i>	1	1	1	1	-	-	-	-
12	OBLITERATED	3	3	3	3	-	-	-	-
13	TIPS	1	1	1	1	-	-	-	-
14	WALL <i>STONE-BUILT.</i>	1	1	1	1	-	-	-	-
15	TIPS	1	1	1	1	-	-	-	-
16	STRUCTURE <i>POSSIBLY PART OF AN UPHOULAGE SYSTEM FROM PIT.</i>	2	2	1	1	-	-	-	-
17	SHAFT WINDING ENGINE HOUSE STEAM	1	1	1	1	-	Y	-	Y
18	STRUCTURE	1	1	1	1	-	-	-	-
19	DRESSING AREA?	3	3	1	1	-	-	-	-
20	HAULAGE SHAFT-HEAD <i>LINED WITH COUNTRY ROCK.</i>	1	1	1	1	-	-	-	Y
21	DRESSING AREA <i>PRESENT TENNIS-COURT.</i>	P	3	1	1	-	-	-	-
22	STRUCTURE	3	3	3	3	-	-	-	-
23	DWELLING	1	1	1	1	-	-	-	-
24	BRIDGE <i>ABUTMENTS ONLY SURVIVE.</i>	3	1	1	1	-	-	-	-
25	QUARRY FACE	3	3	3	3	-	-	-	-

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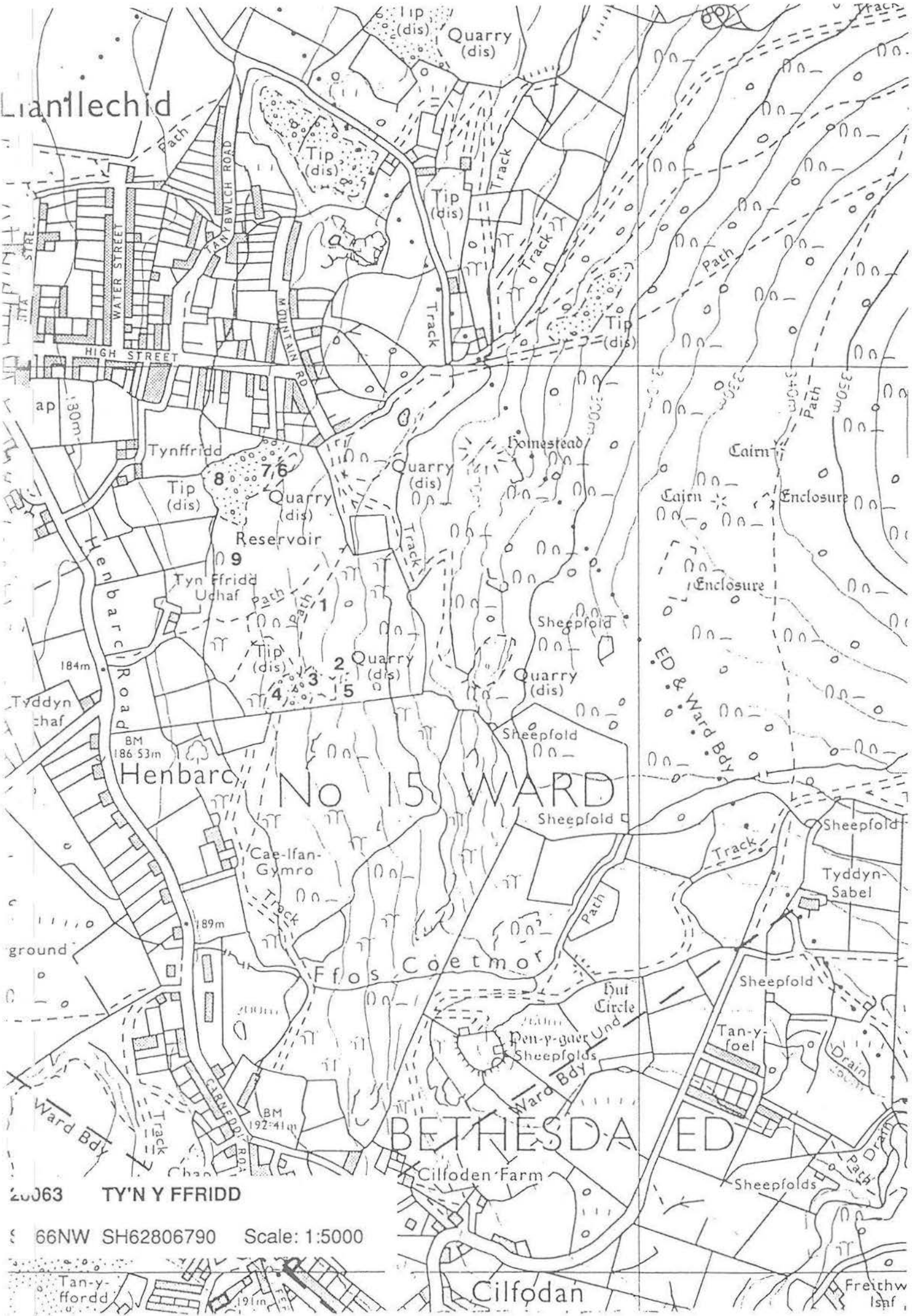
## LIST OF QUARRY FEATURES

		S	C	F	V	P	R	PO	GV
1	PATH	1	1	1	1	-	-	-	-
2	QUARRY FACE	1	1	1	1	-	-	-	-
3	TIPS	1	1	1	1	-	-	-	-
4	TIPS	1	1	1	1	-	-	-	-
5	QUARRY FACE	1	1	1	1	-	-	-	-
6	QUARRY FACE	1	1	1	1	-	-	-	-
7	BARROW-RUN	2	1	1	1	-	-	-	-
8	TIPS	1	1	1	1	-	-	-	-

POSSIBLY SITE OF DRESSING AREA.

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## LIST OF QUARRY FEATURES

	S	C	F	V	P	R	PO	GV
1- ADIT	1	1	1	1	-	-	-	-
2 GALLERY	2	2	2	2	-	-	-	-
3 GALLERY	3	3	3	3	-	-	-	-
4 ADIT <i>INACCESSIBLE.</i>	-	-	-	-	-	-	-	-
5 FUEL TANK	3	3	1	1	-	-	-	-
6 TIPS	1	1	1	1	-	-	-	-
7 MACHINE BASE	3	3	1	1	-	-	-	-
8 STRUCTURE	3	3	1	1	-	-	-	-
9 STRUCTURE	1	1	1	1	-	-	-	-
10 STRUCTURE	1	1	1	1	-	-	-	-
11 ADIT	-	-	-	-	-	-	-	-
12 TIPS	1	1	1	1	-	-	-	-
13 TIPS	1	1	1	1	-	-	-	-
14 PATH	3	3	1	1	-	-	-	-
15 TIPS	1	1	1	1	-	-	-	-
16 STRUCTURE	2	1	1	1	-	-	-	-
17 GWALIAU	3	3	1	1	-	-	-	-
18 DRESSING AREA	1	1	1	1	-	-	-	-
19 STACKYARD	3	3	2	2	-	-	-	-
20 ADIT <i>COLLAPSED.</i>	-	-	-	-	-	-	-	-
21 STRUCTURE	3	3	1	1	-	-	-	-
22 STRUCTURE <i>? LOCO SHED.</i>	3	3	1	1	-	-	-	-
23 INCLINE COUNTERBALANCE	3	3	2	2	-	-	-	-
24 TIPS	1	1	1	1	-	-	-	-
25 RAILWAY	1	1	1	1	-	-	-	-
26 INCLINE DRUMHOUSE <i>THROUGH DRUMHOUSE.</i>	3	3	2	2	-	-	-	-
27 STACKYARD	3	3	1	1	-	-	-	-
28 GWALIAU	2	3	1	1	-	-	-	-
29 TIPS	1	1	1	1	-	-	-	-
30 SHELTER?	1	1	1	1	-	-	-	-
31 SHELTER?	1	1	1	1	-	-	-	-
31 WEIGHBRIDGE HOUSE	2	2	1	1	-	-	-	-
32 WEIGHBRIDGE HOUSE	2	2	1	1	-	-	-	-
33 SHELTER?	2	2	1	1	-	-	-	-
34 QUARRY FACE	1	1	1	1	-	-	-	-
35 TIPS	1	1	1	1	-	-	-	-
36 TIPS	1	1	1	1	-	-	-	-
37 TIPS	1	1	1	1	-	-	-	-
38 WEIGHBRIDGE HOUSE	1	1	1	1	-	-	-	-
39 TIPS	1	1	1	1	-	-	-	-
40 GWAL	2	2	1	1	-	-	-	-
41 GWAL	2	2	1	1	-	-	-	-
42 TIPS	1	1	1	1	-	-	-	-
43 QUARRY PIT	3	3	1	1	-	-	-	-
44 QUARRY FACE	2	3	1	1	-	-	-	-
45 QUARRY FACE	2	3	1	1	-	-	-	-
46 TIPS	1	1	1	1	-	-	-	-

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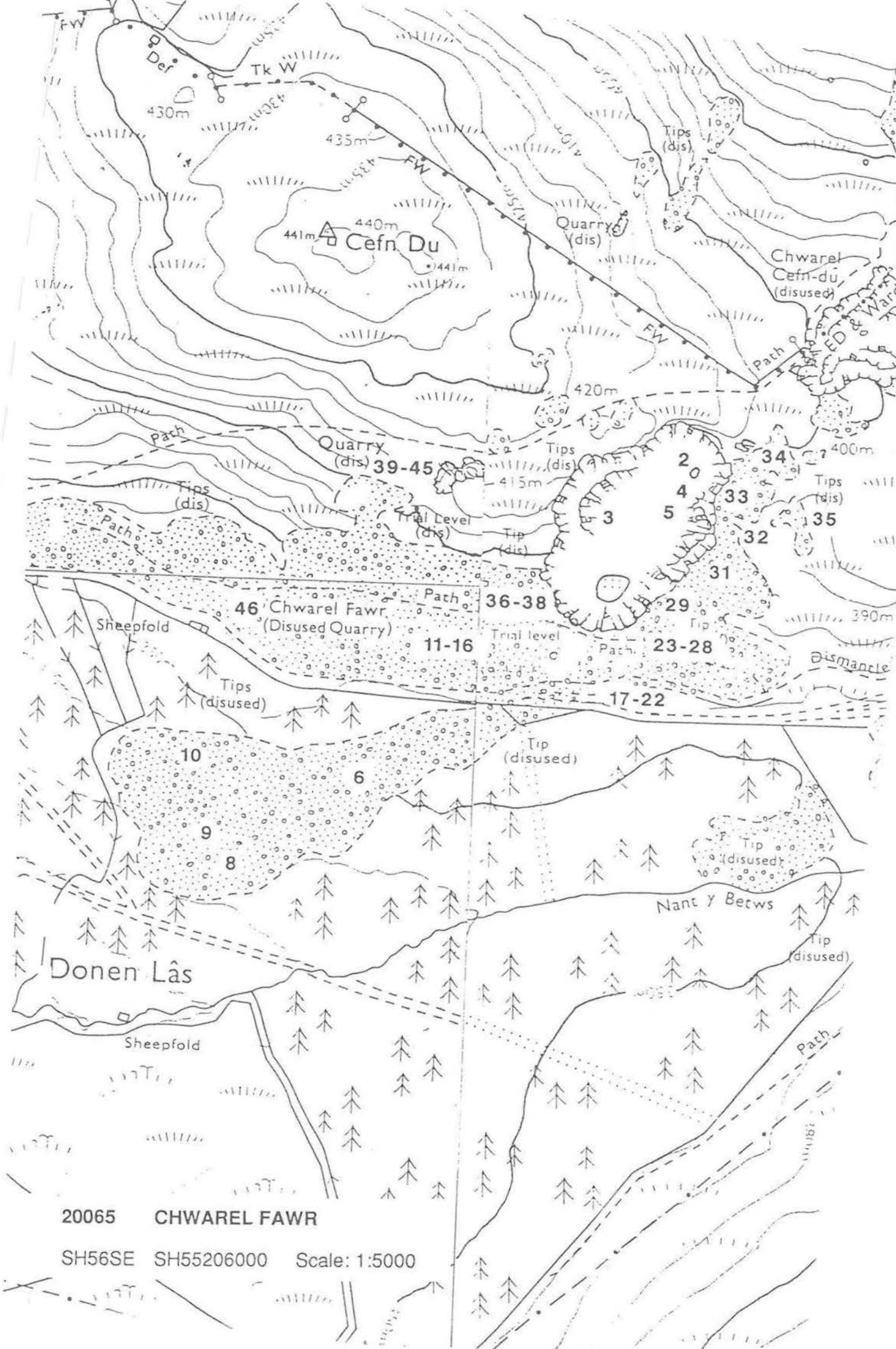
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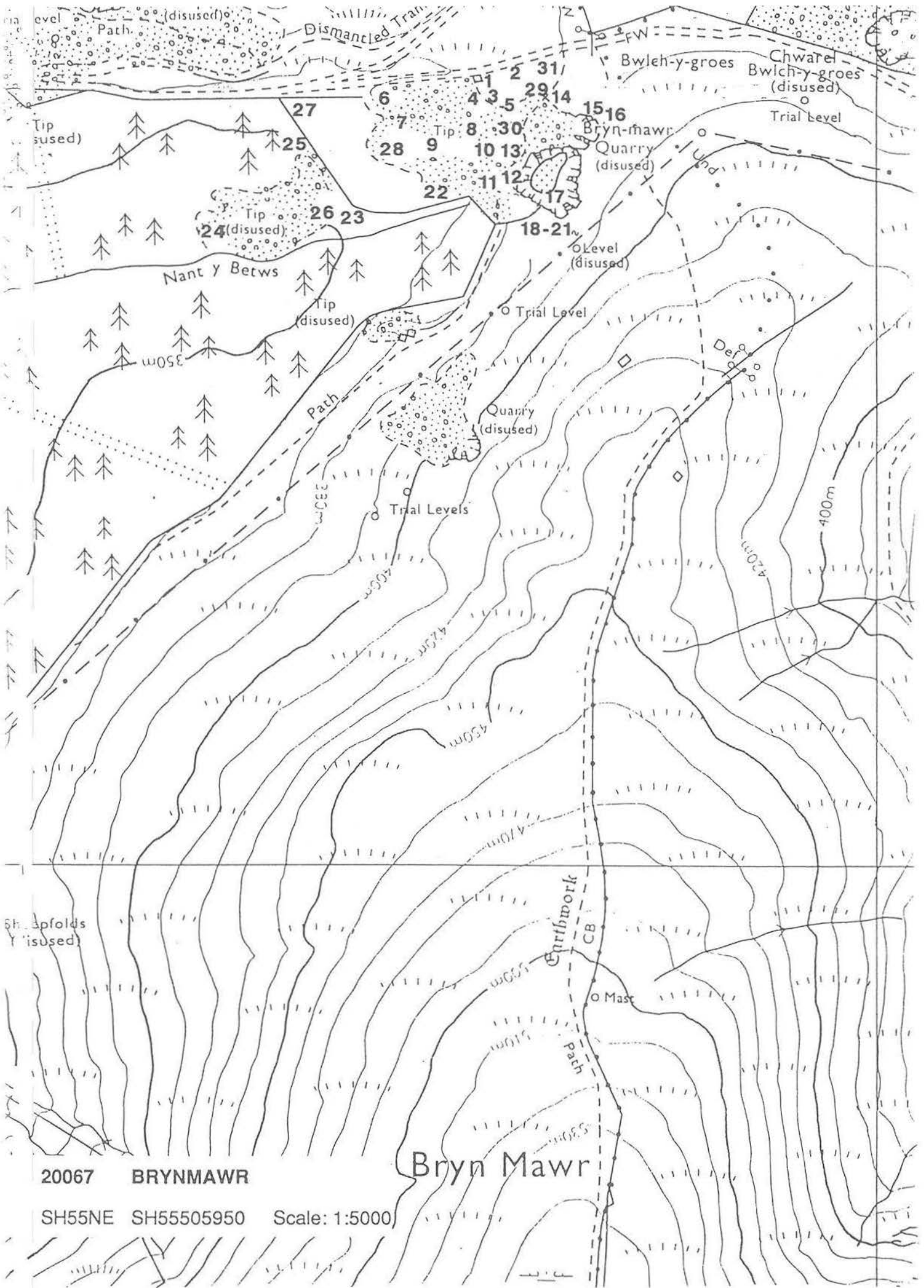
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## LIST OF QUARRY FEATURES

	S	C	F	V	P	R	PO	GV
1 STRUCTURE <i>EXTERNALLY RENDERED</i>	3	3	2	2	-	-	-	-
2 STRUCTURE <i>EXTERNALLY RENDERED</i>	3	3	2	2	-	-	-	-
3 STRUCTURE	3	2	1	1	-	-	-	-
4 GWAL	3	2	1	1	-	-	-	-
5 EMBANKMENT	1	1	1	1	-	-	-	-
6 TIPS	1	1	1	1	-	-	-	-
7 TIPS	1	1	1	1	-	-	-	-
8 STRUCTURE <i>WALL, POSSIBLE SHELTER</i>	2	1	1	1	-	-	-	-
9 GWALIAU	1	1	1	1	-	-	-	-
10 STRUCTURE <i>?WALL</i>	2	2	1	1	-	-	-	-
11 ADIT <i>UNDER EMBANKMENT.</i>	3	3	1	1	-	-	-	-
12 PILLARS <i>PURPOSE UNCERTAIN, POSSIBLY CONNECTED WITH PUMPING SYSTEM.</i>	2	2	1	1	-	-	-	-
13 STRUCTURE <i>?WALL</i>	3	3	1	1	-	-	-	-
14 GWALIAU	3	3	1	1	-	-	-	-
15 GALLERY	3	2	2	2	-	-	-	-
16 QUARRY PIT	1	2	2	2	-	-	-	-
17 QUARRY PIT	1	1	1	1	-	-	-	-
18 TIPS	1	1	1	1	-	-	-	-
19 TIPS	1	1	1	1	-	-	-	-
20 ADIT	1	2	1	1	-	-	-	-
21 SHELTER <i>SOUTERRAIN.</i>	1	1	2	2	-	-	-	-
22 ADIT <i>LOST IN FORESTRY</i>	3	3	3	3	-	-	-	-
23 GWALIAU	3	3	2	2	-	-	-	-
24 TIPS	1	1	1	1	-	-	-	-
25 SHELTER	2	2	1	1	-	-	-	-
26 SHELTER	1	1	1	1	-	-	-	-
27 ROAD <i>POSSIBLE RAILWAY.</i>	1	1	1	1	-	-	-	-
28 SHELTER	1	1	1	1	-	-	-	-
29 DRESSING AREA	2	2	1	1	-	-	-	-
30 DRESSING AREA <i>?TIP CONTRACTORS' WORKINGS.</i>	1	1	1	1	-	-	-	-

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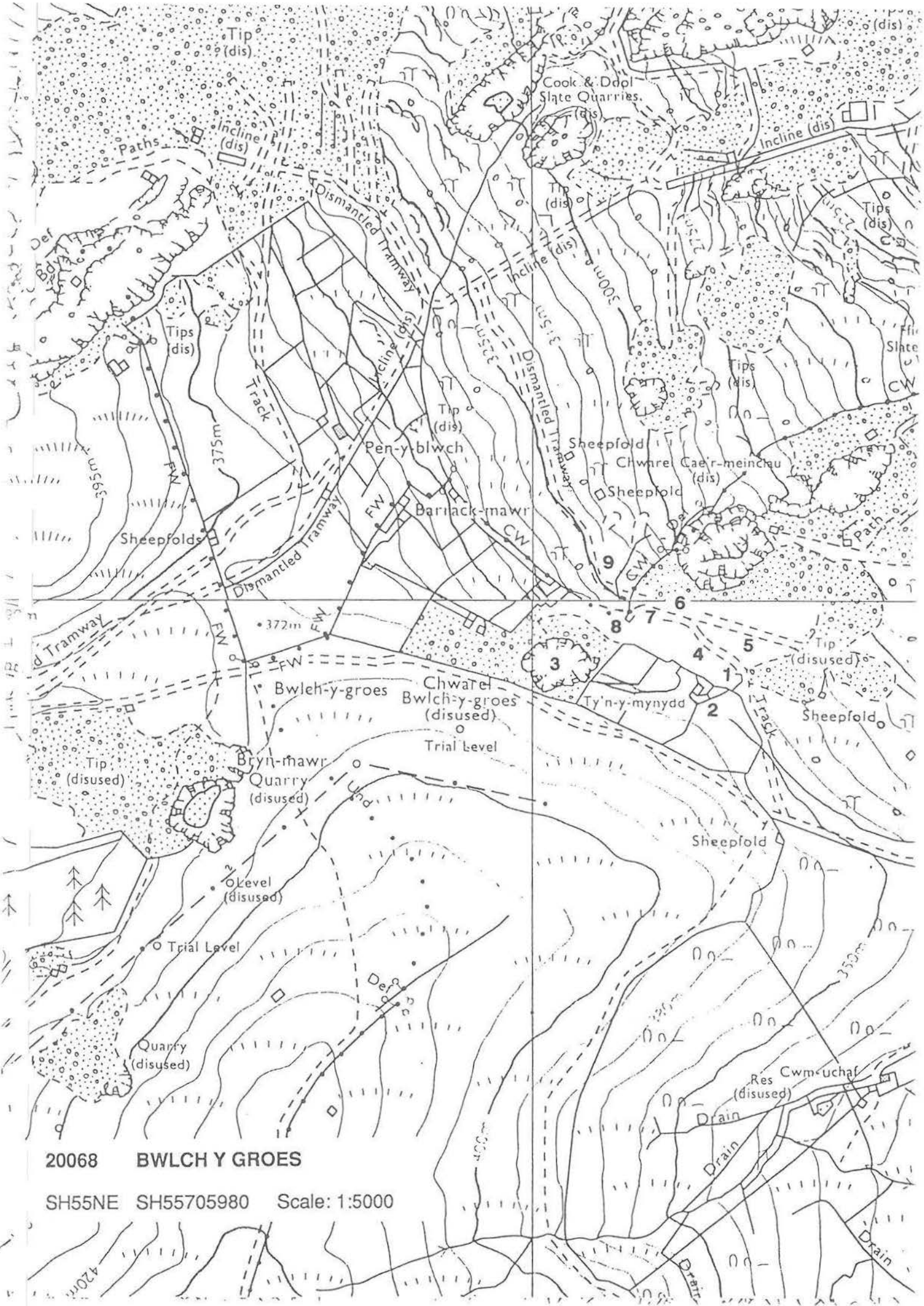
## LIST OF QUARRY FEATURES

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1	ABUTMENT	3	3	1	1	-	-	-	-
2	DWELLING	2	1	1	1	-	-	-	-
3	QUARRY PIT	1	3	1	1	-	-	-	-
4	ROAD	1	1	1	1	-	-	-	-
5	GWALIAU	3	3	2	2	-	-	-	-
6	WEIGHBRIDGE HOUSE	3	3	1	1	-	-	-	-
7	STRUCTURE SMITHY AND GWAL?	3	2	1	1	-	-	-	-
8	ADIT COLLAPSED.	3	3	1	1	-	-	-	-
9	RAILWAY	3	2	1	1	-	-	-	-

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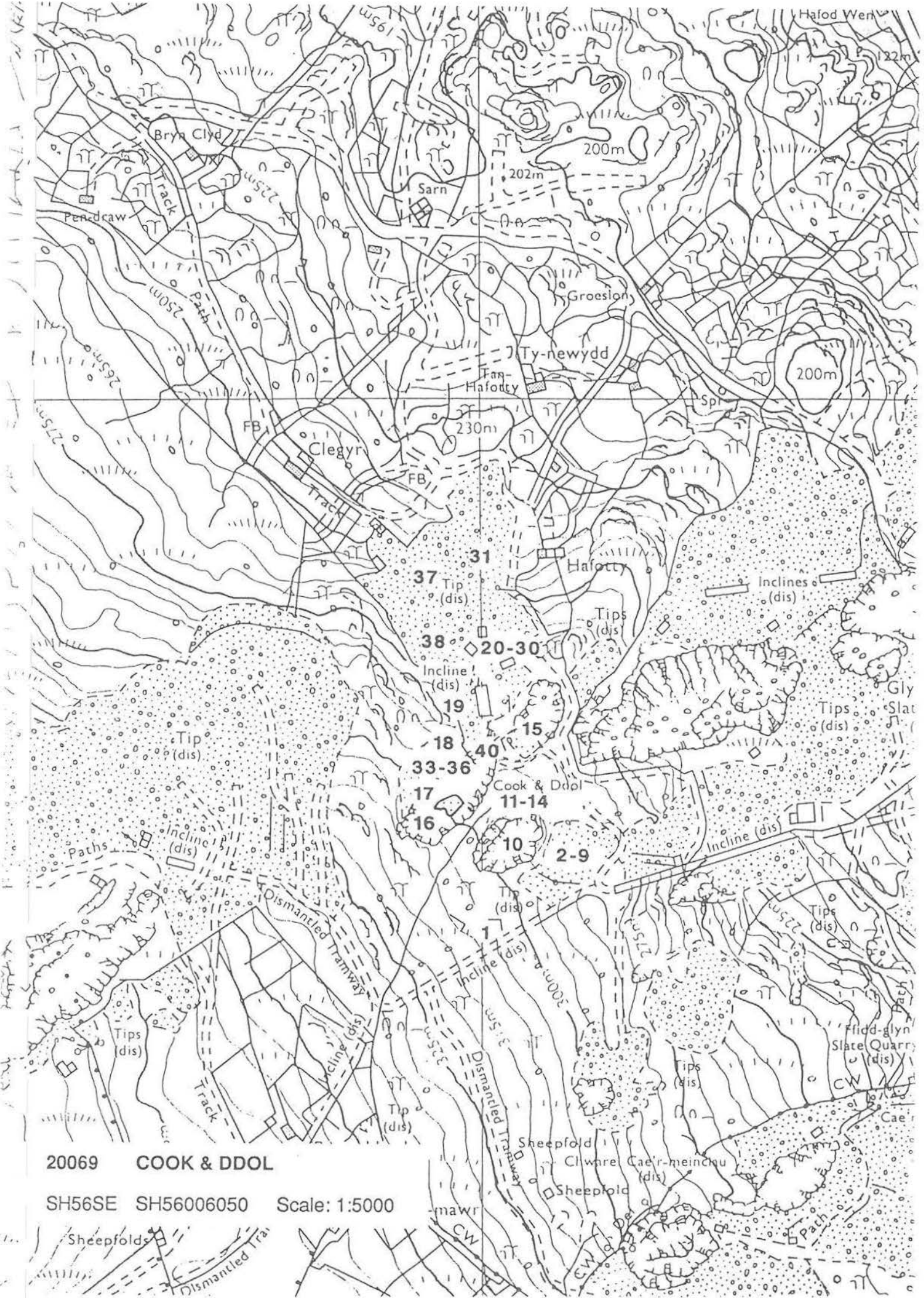
	S	C	F	V	P	R	PO	GV
1 WATER STORAGE <i>RESERVOIR IMPOUNDED BY DAM.</i>	1	2	1	1	-	-	-	-
2 STRUCTURE	3	3	1	1	-	-	-	-
3 INCLINE COUNTERBALANCE	2	1	1	1	-	-	-	-
4 STRUCTURE <i>?WEIGHBRIDGE HOUSE.</i>	3	2	1	1	-	-	-	-
5 STRUCTURE <i>DOMESTIC FIREPLACE EVIDENT.</i>	2	1	1	1	-	-	-	-
6 ADIT?	3	3	1	1	-	-	-	-
7 INCLINE	1	1	1	1	-	-	-	-
8 INCLINE DRUMHOUSE <i>THROUGH DRUMHOUSE.</i>	2	3	1	1	-	-	-	-
9 GWALIAU? <i>LARGE BY GWALIAU STANDARDS.</i>	2	1	1	1	-	-	-	-
10 QUARRY PIT	1	1	1	1	-	-	-	-
11 GALLERY	1	1	1	1	-	-	-	-
12 TIPS <i>CUT THROUGH AT ONE POINT.</i>	1	1	1	1	-	-	-	-
13 RAILWAY	1	1	1	1	-	-	-	-
14 EMBANKMENT <i>FOR TRAMWAY OR BARROW-WAY?</i>	3	3	1	1	-	-	-	-
15 QUARRY PIT <i>LARGE ROCKFALLS.</i>	3	2	1	1	-	-	-	-
16 QUARRY PIT	2	2	1	1	-	-	-	-
17 GALLERY	2	1	1	1	-	-	-	-
18 GWALIAU	3	3	1	1	-	-	-	-
19 TIP CONTRACTORS' WORKINGS	1	1	1	1	-	-	-	-
20 MILL LONGITUDINAL <i>SOME BRICK USED IN WALLS.</i>	2	1	1	1	-	-	-	-
21 MILL ENGINE HOUSE? <i>SOME HOLDING-DOWN BOLTS EVIDENT.</i>	3	3	1	1	-	-	-	-
22 WALL	2	1	1	1	-	-	-	-
23 DWELLING <i>OR OFFICE? 2-STOREY, BUILT OUT OF COUNTRY ROCK, INCORPORATING STONEWARE PIPES INTO GABLE ENDS AS CHIMNEY FLUES.</i>	2	2	1	1	-	-	-	-
24 GWALIAU	2	2	1	1	-	-	-	-
25 WEIGHBRIDGE HOUSE	3	2	1	1	-	-	-	-
26 ADIT <i>BLOCKED.</i>	3	3	1	1	-	-	-	-
27 STRUCTURE <i>AT N.E. END POSSIBLY A SMITHY, SINCE A LARGE CHIMNEY FLUE IS EVIDENT. OTHERS MAY BE STORES OR OTHER ANCILLARY BUILDINGS. S.W. END IS BURIED BY TIPS.</i>	3	2	1	1	-	-	-	-
28 RETAINING WALL	1	1	1	1	-	-	-	-
29 ROAD <i>PARTLY TIPPED OVER.</i>	1	1	1	1	-	-	-	-
30 LOADING AREA	2	2	1	1	-	-	-	-
31 TIP CONTRACTORS' WORKINGS	2	2	1	1	-	-	-	-
32 ADIT <i>INACCESSIBLE.</i>	-	-	-	-	-	-	-	-
33 GWAL	3	2	1	1	-	-	-	-
34 RETAINING WALL <i>IMPRESSIVE FEATURE.</i>	1	1	2	2	-	-	-	-
35 WEIGHBRIDGE PIT <i>NO ASSOCIATED STRUCTURE.</i>	3	3	1	1	-	-	-	-
36 GWAL	3	3	1	1	-	-	-	-
37 TIP CONTRACTORS' WORKINGS	2	2	1	1	-	-	-	-

Class 2.0

$$2 \quad 2 \quad 1 \quad 1 \quad - \quad - \quad - \quad -$$
[illegible]

- BOARD OF TRADE 31 9759/72687 OFFICIAL RECORDS PRO KEW  
BOARD OF TRADE 31 9046/66905 OFFICIAL RECORDS PRO KEW  
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Diversity 3 - Archive Val. 3 Archaeol. Record 3 Amenity Val. 3 Visual Amenity 3

## LIST OF QUARRY FEATURES

		S	C	F	V	P	R	PO	GV
1	QUARRY PIT	1	1	1	1	-	-	-	-
2	ADIT <i>INACCESSIBLE.</i>	-	-	-	-	-	-	-	-
3	STRUCTURE <i>MADE OF COUNTRY ROCK AND MAY PREDATE QUARRY.</i>	3	3	3	3	-	-	-	-
4	GALLERY	1	2	1	1	-	-	-	-
5	GALLERY	1	2	1	1	-	-	-	-
6	GWALIAU	2	2	1	1	-	-	-	-
7	QUARRY PIT	2	2	1	1	-	-	-	-
8	WATER CHANNEL?	1	1	1	1	-	-	-	-
9	STRUCTURE <i>?GWAL.</i>	3	3	1	1	-	-	-	-
10	GALLERY	1	1	1	1	-	-	-	-
11	PILLAR <i>ABOUT 2' HIGH.</i>	3	2	1	1	-	-	-	-
12	STRUCTURE <i>?OFFICE.</i>	3	2	1	1	-	-	-	-
13	STRUCTURE	3	3	1	1	-	-	-	-
14	EMBANKMENT <i>FOR INCLINED ROADWAY.</i>	1	1	1	1	-	-	-	-
15	BRIDGE <i>ABUTMENTS ONLY SURVIVE.</i>	1	1	1	1	-	-	-	-
16	WEIGHBRIDGE HOUSE	1	1	1	1	-	-	-	-
17	STRUCTURE <i>?GWAL.</i>	3	3	1	1	-	-	-	-
18	GWAL?	3	3	1	1	-	-	-	-
19	RETAINING WALL	2	2	1	1	-	-	-	-
20	GWALIAU	3	3	1	1	-	-	-	-
21	WEIGHBRIDGE HOUSE	2	1	1	1	-	-	-	-
22	GWALIAU	3	2	1	1	-	-	-	-
23	DWELLING <i>BUILT OF COUNTRY ROCK.</i>	2	1	1	1	-	-	-	-
24	STRUCTURE	3	3	1	1	-	-	-	-
25	ADIT	-	-	-	-	-	-	-	-
26	STRUCTURE	3	3	1	1	-	-	-	-
27	GWALIAU	3	3	1	1	-	-	-	-
28	OBLITERATED	3	3	3	3	-	-	-	-
29	TIP CONTRACTORS' WORKINGS	1	1	1	1	-	-	-	-
30	DWELLING	3	2	2	2	-	-	-	-

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Diversity 2 Archive Val. 1 Archaeol. Record 3 Amenity Val. 1 Visual Amenity 1

## LIST OF QUARRY FEATURES

	S	C	F	V	P	R	PO	GV
1 QUARRY PIT <i>ROAD ACCESS; SOME RECENT BULLDOZING; FLOODED AT LOWER LEVEL.</i>	2	1	3	3	-	-	-	-
2 ADIT <i>WALL ACROSS E. OPENING WITH SMALL PEDESTRIAN SIZE DOOR. CUT IN SPUR OF ROCK.</i>	1	1	1	1	-	-	-	-
3 OBLITERATED	3	3	3	3	-	-	-	-
4 QUARRY FACE <i>IRON PLATES ANCHORED IN ROCK.</i>	1	1	1	1	-	-	-	-
5 STRUCTURE <i>PART-BURIED BY TIP.</i>	3	3	3	3	-	-	-	-
6 TIPS <i>BULLDOZED.</i>	3	3	3	3	-	-	-	-
7 STRUCTURE <i>BUILT OUT OF COUNTRY ROCK.</i>	3	3	1	1	-	-	-	-
8 RETAINING WALL	1	1	1	1	-	-	-	Y
9 ABUTMENT <i>ENLARGED AT SOME STAGE TO TAKE A DOUBLE-TRACK RAILWAY.</i>	1	1	1	1	-	-	-	Y
10 TIPS	1	1	1	1	-	-	-	-
11 ROAD	1	1	1	1	-	-	-	-
12 INCLINE UPHHAULAGE MECHANICAL <i>CRIMP ONLY; INCLINE ITSELF QUARRIED AWAY.</i>	3	3	3	3	-	-	-	Y
13 MACHINE BASE <i>HOLDING-DOWN BOLTS.</i>	1	1	1	1	-	-	-	-
14 INCLINE UPHHAULAGE MECHANICAL	1	2	2	2	-	-	-	Y
15 ADIT	-	-	-	-	-	-	-	Y
16 QUARRY AREA <i>BOTH PIT AND GALLERIES.</i>	3	3	3	3	-	-	-	-
17 ROAD	3	1	3	3	-	-	-	-
18 STRUCTURE <i>?VENTILATION SHAFT; CIRCULAR.</i>	3	3	3	3	-	-	-	-
19 STRUCTURE <i>VERTICAL BAULK SET IN SLATE STRUCTURE.</i>	1	2	3	3	-	-	-	-
20 INCLINE COUNTERBALANCE	2	1	2	2	-	-	-	-
21 INCLINE DRUMHOUSE <i>REMOTE; HOLDING-DOWN BOLTS AND DRUM-PIT EVIDENT.</i>	2	1	1	1	-	-	-	-
22 ADIT <i>IN RETAINING WALL.</i>	1	1	1	1	-	-	-	-
23 GWALIAU	3	1	1	1	-	-	-	-
24 STRUCTURE <i>HORIZONTAL HOLDING-DOWN BOLTS SURVIVE.</i>	3	1	1	1	-	-	-	-
25 PILLARS	3	2	1	1	-	-	-	-
26 GWALIAU	2	1	1	1	-	-	-	-
27 STRUCTURE <i>CONCRETE MACHINE BASE; FRAGMENTS OF IRONWORK NEARBY.</i>	3	2	1	1	-	-	-	-
28 WEIGHBRIDGE HOUSE	1	1	1	1	-	-	-	-
29 CUTTING	1	1	1	1	-	-	-	-
30 GWAL	2	2	1	1	-	-	-	-
31 GALLERY	3	3	3	3	-	-	-	-
32 GWAL	2	2	1	1	-	-	-	-
33 TIPS	1	1	1	1	-	-	-	-
34 STRUCTURE	3	3	2	2	-	-	-	-
35 TIPS <i>BULLDOZING NOTED. FEATURES PARTLY OBLITERATED.</i>	3	3	3	3	-	-	-	-
36 DOMESTIC FRAGMENTS <i>BRICK, PIECES OF GRATE.</i>	3	3	3	3	-	-	-	-
37 STRUCTURE	1	1	1	1	-	-	-	-







20073 GLYNRHONWY UPPER SH56506070					Class		2.0	
38	ROPEWAY SYSTEM <i>STRONGPOINT; FOR CHAIN INCLINE?</i>	2	1	1	1	-	-	-
39	ROPEWAY SYSTEM WINDING HOUSE	3	1	1	1	-	-	-
40	ROPEWAY SYSTEM <i>STRONGPOINT AND DRUM-SUPPORT.</i>	2	1	1	1	-	-	-
41	EMBANKMENT	1	1	1	1	-	-	-
42	GWALIAU <i>EXCELLENT CONDITION.</i>	1	1	1	1	-	-	-
43	EMBANKMENT	1	1	1	1	-	-	-
44	STRUCTURE	1	1	1	1	-	-	-
45	ADIT <i>INACCESSIBLE.</i>	-	-	-	-	-	-	-
46	COMPRESSOR <i>FRAGMENTS ONLY.</i>	3	1	2	2	-	-	-
47	MACHINE BASE <i>HOLDING-DOWN BOLTS.</i>	1	1	1	1	-	-	-
48	INCLINE COUNTERBALANCE	1	1	1	1	-	-	-
49	INCLINE <i>CRIMP ONLY SURVIVES. 4 SIDE-HOLDING-DOWN BOLTS AND CHANNEL FOR ROPE EVIDENT. VERTICAL TIMBERS NEARBY.</i>	3	1	1	1	-	-	-
50	QUARRY PIT	3	3	1	1	-	-	-
51	STRUCTURE	2	1	1	1	-	-	-
52	INCLINE	3	1	1	1	-	-	Y
53	ADIT	1	1	1	1	-	-	Y
54	ADIT	1	1	1	1	-	-	Y
55	ADIT?	3	3	1	1	-	-	Y
56	BRIDGE <i>WOODEN.</i>	1	1	1	1	-	-	Y
57	BLAST SHELTER?	1	1	1	1	-	-	Y
58	BRIDGE	1	1	1	1	-	-	Y

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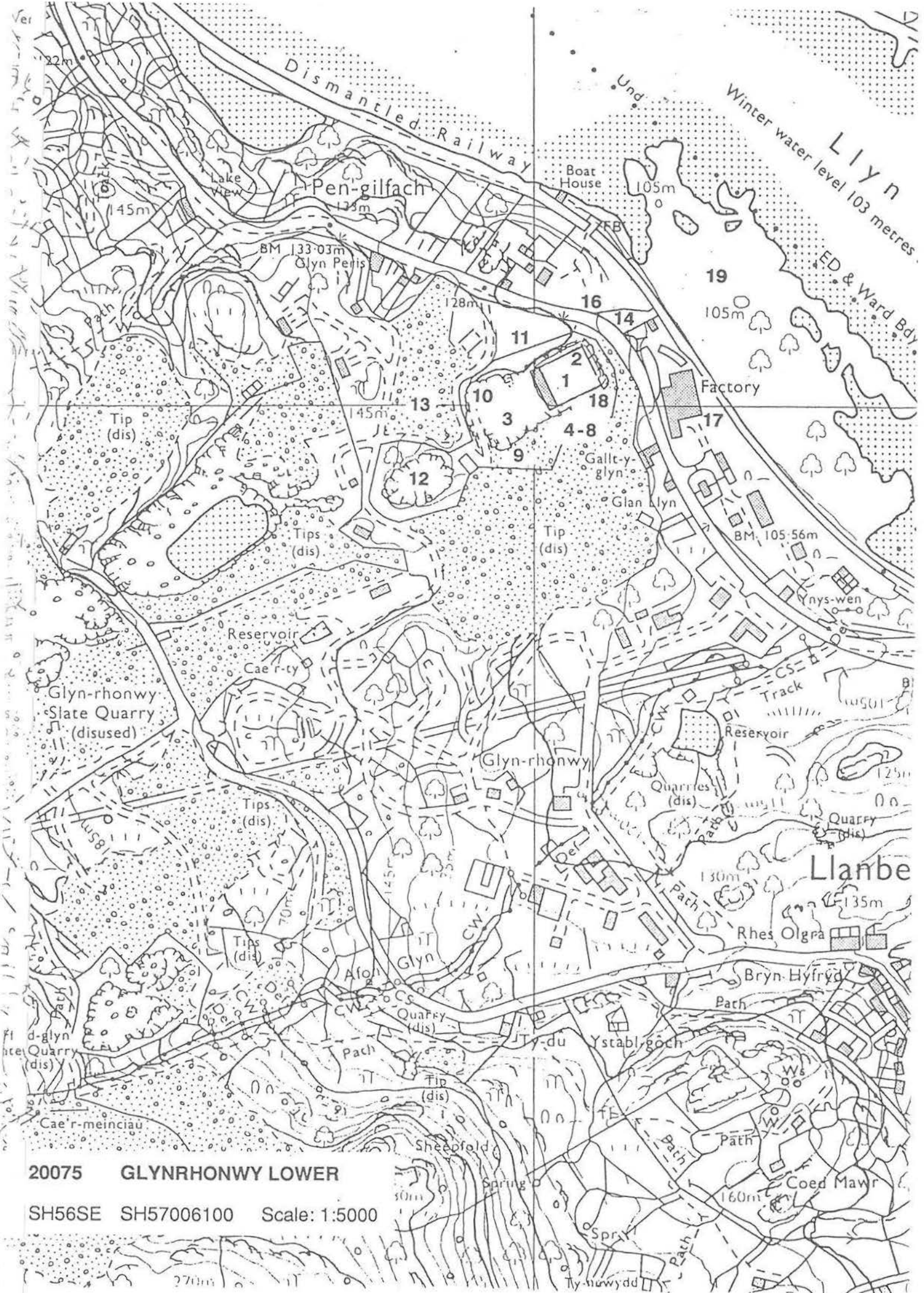
Diversity 3 Archive Val. 2 Archaeol. Record 3 Amenity Val. 1 Visual Amenity 1

## LIST OF QUARRY FEATURES

	S	C	F	V	P	R	PO	GV
1 QUARRY PIT RE-USE DURING WORLD WAR 2 AS AN EXPLOSIVES FACTORY AND STORE HAS CONSIDERABLY ALTERED THE FEATURE.	3	1	2	2	-	-	-	-
2- ADIT ENLARGED DURING WORLD WAR 2 TO TAKE A STANDARD- GAUGE SIDING.	3	1	2	2	-	-	-	-
3 STRUCTURE PART OF THE WORLD WAR 2 EXPLOSIVES FACTORY AND STORE; COVERS HALF THE PIT. PRE-FABRICATED CONCRETE.	1	1	1	1	-	-	-	-
4 STRUCTURE CONTAINS 4 HOLDING-DOWN BOLTS. BRICK-BUILT.	1	1	1	1	-	-	-	-
5 STRUCTURE RE-USE DURING WORLD WAR 2 AS AN EXPLOSIVES FACTORY AND STORE HAS CONSIDERABLY ALTERED THE FEATURE. BRICK-BUILT.	1	1	1	1	-	-	-	-
6 TIPS	1	1	1	1	-	-	-	-
7 TIPS	1	1	1	1	-	-	-	-
8 STRONGPOINT CONCRETE BLOCK, MAY POSTDATE QUARRY.	3	3	3	3	-	-	-	-
9 STRONGPOINT CONCRETE BLOCK, MAY POSTDATE QUARRY.	3	3	3	3	-	-	-	-
10 QUARRY FACE	3	2	1	1	-	-	-	-
11 TIPS	3	3	3	3	-	-	-	-
12 QUARRY PIT	1	1	2	2	-	-	-	-
13 OBLITERATED	3	3	3	3	-	-	-	-
14 STRUCTURE	1	1	1	1	-	-	-	-
15 CHIMNEY SQUARE-SECTION, PRESENTLY PEBBLE-DASHED.	1	1	1	1	-	-	-	-
16 ADIT POSSIBLY ORIGINAL RAILWAY ENTRANCE TO QUARRY.	2	2	1	1	-	-	-	-
17 MILL SURVIVES AS PART OF A WORLD WAR 2-BUILT STRUCTURE; PILLARS FOR LINE-SHAFTING WITH 2 HOLDING-DOWN BOLTS SURVIVE INSIDE.	1	1	1	1	-	-	-	-
18 ADIT POST-DATES QUARRY; BUILT FOR PEDESTRIANS AND HUDSON-TYPE 2' GAUGE RAILWAY.	1	1	1	1	-	-	-	-
19 TIPS	1	3	1	1	-	-	-	-

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20075 GLYNRHONWY LOWER

SH56SE SH57006100 Scale: 1:5000

Diversity 1 Archive Val. 1 Archaeol. Record 1 Amenity Val. 1 Visual Amenity 1

This site, run as a department of Dinorwic quarry, contains an outstanding run of the "trwnc" type of inclines. The significant remains here are already scheduled.

## LIST OF QUARRY FEATURES

	S	C	F	V	P	R	PO	GV
1 WEIGHBRIDGE HOUSE	1	1	1	1	-	-	-	Y
2 RAILWAY EQUIPMENT <i>POINTWORK AND TURNABLES IN SITU.</i>	1	1	1	1	-	-	-	Y
3 EMBANKMENT <i>SLATE-BUILT.</i>	1	1	1	1	-	-	-	Y
4 BRIDGE <i>CORBELLED ARCH.</i>	1	1	1	1	-	-	-	Y
5 ROPEWAY SYSTEM WINDING HOUSE <i>LARGE OPEN BAY SHED.</i>	1	1	1	1	-	-	-	Y
6 ROPEWAY SYSTEM WINDING HOUSE	1	1	1	1	-	-	-	Y
7 RAILWAY EQUIPMENT <i>POINTWORK IN SITU.</i>	1	1	1	1	-	-	-	Y
8 STRUCTURE <i>LEAN-TO AGAINST (6).</i>	1	1	1	1	-	-	-	Y
9 ROAD	1	1	1	1	-	-	-	Y
10 STEPS	1	1	1	1	-	-	-	Y
11 BRIDGE	1	1	1	1	-	-	-	Y
12 RAMP	1	1	1	1	-	-	-	Y
13 RAILWAY EQUIPMENT <i>2' GAUGE SLAB SLEEPERS.</i>	1	1	1	1	-	-	-	Y
14 RAILWAY EQUIPMENT <i>POINT LEVER.</i>	1	1	1	1	-	-	-	Y
15 ABUTMENT	3	3	3	3	-	-	-	Y
16 WEIGHBRIDGE HOUSE	1	1	1	1	-	-	-	Y
17 TIPS <i>MUCH DISTURBED.</i>	3	3	3	3	-	-	-	Y
18 TIPS <i>MUCH DISTURBED.</i>	3	3	3	3	-	-	-	Y
19 BRIDGE <i>LARGE SLATE-BUILT STRUCTURE, PRESENT DECK CONSIDERABLY LOWER THAN ORIGINAL.</i>	2	1	1	1	-	-	-	Y
20 RAILWAY <i>FROM (19).</i>	1	1	1	1	-	-	-	Y
21 ROAD	1	1	1	1	-	-	-	Y
22 INCLINE TRWNC DOCK <i>TRYNCIAU INTACT.</i>	1	1	1	1	-	-	-	Y
23 INCLINE COUNTERBALANCE <i>TRWNC.</i>	1	1	1	1	-	-	-	Y
24 INCLINE DRUMHOUSE <i>THROUGH DRUMHOUSE. IRONWORK OF DRUM, BRAKE MECHANISM, RAILS AND TURNABLES INTACT.</i>	1	1	1	1	-	-	-	Y
25 GWALIAU <i>14 OF THEM.</i>	1	1	2	1	-	-	-	Y
26 CABAN	1	1	2	1	-	-	-	Y
27 ADIT	1	1	1	1	-	-	-	Y
28 RETAINING WALL <i>LARGE FEATURE.</i>	1	1	1	1	-	-	-	Y
29 STEPS	1	1	1	1	-	-	-	Y
30 INCLINE TRWNC DOCK	1	2	1	1	-	-	-	Y
31 INCLINE COUNTERBALANCE <i>TRWNC.</i>	1	2	1	1	-	-	-	Y
32 INCLINE DRUMHOUSE <i>THROUGH DRUMHOUSE. SPLIT DRUM. POSSIBLY RECENT CONSOLIDATION OF TIMBERWORK. SEPARATE BRAKE HOUSE; RAILS, BRAKE DRUM, ETC. SURVIVE. ELABORATE STRUCTURE, SOME OUTWARD CORBELLING TO SUPPORT ROOF.</i>	1	1	1	1	-	-	-	Y



20087 VIVIAN SH58606050					Class		1.0	
33	STRUCTURE	1	1	1	1	-	-	Y
	LEAN TO EXTENSION OF (32).							
34	PRIVY	1	1	1	1	-	-	Y
35	CABAN	1	2	2	1	-	-	Y
36	GWALIAU	1	1	1	1	-	-	Y
	2 STILL ROOFED.							
37	BLAST SHELTER	1	1	1	1	-	-	Y
38	INCLINE TRWNC DOCK	1	1	1	1	-	-	Y
39	INCLINE COUNTERBALANCE	1	1	1	1	-	-	Y
	TRWNC.							
40	INCLINE DRUMHOUSE	1	1	1	1	-	-	Y
	THROUGH DRUMHOUSE. CONSIDERABLE AMOUNT OF BRAKE							
	MECHANISM SURVIVES; SPLIT DRUM.							
41	GWALIAU	2	2	1	1	-	-	Y
42	GWAL	1	1	2	1	-	-	Y
43	BLAST SHELTER	1	1	1	1	-	-	Y
44	INCLINE TRWNC DOCK	1	1	1	1	-	-	Y
	TRYNCIAU INTACT.							
45	INCLINE COUNTERBALANCE	1	1	1	1	-	-	Y
	TRWNC; SOME RAILS AND SCANTLINGS SURVIVE.							
46	INCLINE DRUMHOUSE	1	1	1	1	-	-	Y
	THROUGH DRUMHOUSE. SIMILAR PATTERN TO (40) AND							
	(32). DRUM, BRAKE, RAILS ETC. SURVIVE.							
47	RAILWAY EQUIPMENT	1	2	2	1	-	-	Y
	TRAVERSER PIT.							
48	CABAN	1	1	1	1	-	-	Y
49	GWALIAU	2	2	2	1	-	-	Y
50	BLAST SHELTER	1	1	1	1	-	-	Y
51	SHELTER	1	1	1	1	-	-	Y
52	GWALIAU	2	2	2	1	-	-	Y
53	PRIVY	1	2	2	1	-	-	Y
54	BLAST SHELTER	1	1	1	1	-	-	Y
55	INCLINE COUNTERBALANCE	1	1	1	1	-	-	Y
56	INCLINE INTERMEDIATE LEVEL	1	1	1	1	-	-	Y
57	GWALIAU	3	2	1	1	-	-	Y
58	GWALIAU	2	2	1	1	-	-	Y
59	BLAST SHELTER	1	1	1	1	-	-	Y
	CIRCULAR.							
60	RETAINING WALL	1	2	3	1	-	-	Y
61	INCLINE DRUMHOUSE	1	1	1	1	-	-	Y
	DRUMHOUSE THROUGH.							
62	STRUCTURE	1	1	1	1	-	-	Y
	LEAN TO, LARGE CHIMNEY.							
63	BLAST SHELTER	1	2	2	1	-	-	Y
64	INCLINE COUNTERBALANCE	2	2	1	1	-	-	Y
65	INCLINE SHEAVE	1	3	1	1	-	-	Y
66	RAILWAY	1	1	1	1	-	-	Y
	HIGHER LEVEL THAN (65) AND MAY BE A SEPARATE							
	FEATURE.							
67	ROPEWAY SYSTEM	3	3	3	3	-	-	Y
	SITE ONLY.							
68	ROPEWAY SYSTEM	1	1	1	1	-	-	Y
	RECONSTRUCTED BY AMGUEDDFA LECHI.							

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20087 VIVIAN

SH56SE SH58606050 Scale: 1:5000

Diversity 1 Archive Val. 1 Archaeol. Record 1 Amenity Val. 1 Visual Amenity 1

## LIST OF QUARRY FEATURES

	S	C	F	V	P	R	PO	GV
1 MILL LONGITUDINAL 2-GABLE LONGITUDINAL.	2	1	1	1	-	-	-	-
2 ELECTRICITY SUBSTATION	1	1	1	1	-	-	-	-
3 OBLITERATED	3	3	3	3	-	-	-	-
4 INCLINE COUNTERBALANCE	1	1	3	1	-	-	-	-
5 INCLINE DRUMHOUSE THROUGH DRUMHOUSE.	1	1	3	1	-	-	-	-
6 MILL	1	1	2	1	-	-	-	-
7 MILL	3	3	2	1	-	-	-	-
8 INCLINE COUNTERBALANCE	3	3	2	1	-	-	-	-
9 INCLINE DRUMHOUSE OBLITERATED.	3	3	3	3	-	-	-	-
10 INCLINE COUNTERBALANCE	3	3	2	1	-	-	-	-
11 INCLINE DRUMHOUSE SITE ONLY; FEATURE OBLITERATED.	3	3	3	3	-	-	-	-
12 INCLINE COUNTERBALANCE	3	3	2	1	-	-	-	-
13 INCLINE DRUMHOUSE THROUGH DRUMHOUSE.	2	2	2	1	-	-	-	-
14 INCLINE COUNTERBALANCE	3	3	2	1	-	-	-	-
15 INCLINE DRUMHOUSE REMOTE DRUMHOUSE.	1	1	2	1	-	-	-	-
16 INCLINE COUNTERBALANCE NOT VISITED.	-	-	-	-	-	-	-	-
17 INCLINE DRUMHOUSE NOT VISITED.	-	-	-	-	-	-	-	-
18 MILL NOT VISITED.	-	-	-	-	-	-	-	-
19 LOCOMOTIVE SHED	1	1	2	1	-	-	-	-
20 CABAN	1	1	2	1	-	-	-	-
21 LIFT DRUMHOUSE	1	2	2	1	-	Y	-	Y
22 LIFT COUNTERBALANCE	1	2	2	1	-	Y	-	Y
23 STEPS	1	1	1	1	-	-	-	-
24 COMPRESSOR HOUSE	1	1	1	1	-	-	-	-
25 INCLINE COUNTERBALANCE	3	2	1	1	-	-	-	-
26 INCLINE COUNTERBALANCE	3	2	1	1	-	-	-	-
27 INCLINE COUNTERBALANCE TRWNC.	1	1	3	1	-	-	-	-
28 INCLINE DRUMHOUSE REMOTE.	1	1	1	1	-	-	-	-
29 INCLINE COUNTERBALANCE	2	2	2	1	-	-	-	-
30 INCLINE DRUMHOUSE OBLITERATED.	3	3	3	3	-	-	-	-
31 LIFT DRUMHOUSE	1	1	1	1	-	Y	-	Y
32 LIFT COUNTERBALANCE	1	1	1	1	-	Y	-	Y
33 OBLITERATED	3	3	3	3	-	-	-	-
34 BRIDGE	1	3	3	1	-	-	-	-
35 OBLITERATED	3	3	3	3	-	-	-	-
36 OBLITERATED	3	3	3	3	-	-	-	-
37 INCLINE COUNTERBALANCE	3	2	2	1	-	Y	-	-
38 INCLINE DRUMHOUSE THROUGH DRUMHOUSE. NOT VISITED.	-	-	-	-	-	-	-	-
39 INCLINE COUNTERBALANCE	3	2	2	1	-	-	-	-
40 INCLINE DRUMHOUSE THROUGH DRUMHOUSE. NOT VISITED.	-	-	-	-	-	-	-	-
41 INCLINE COUNTERBALANCE	3	2	2	1	-	-	-	-
42 INCLINE COUNTERBALANCE NOT VISITED.	-	-	-	-	-	Y	-	-
43 INCLINE DRUMHOUSE THROUGH DRUMHOUSE. NOT VISITED.	-	-	-	-	-	-	-	-

20091 DINORWIC SH59506030					Class		1.0	
44	INCLINE COUNTERBALANCE	-	-	-	-	-	-	-
	NOT VISITED.							
45	INCLINE DRUMHOUSE	-	-	-	-	-	-	-
	THROUGH DRUMHOUSE. NOT VISITED.							
46	INCLINE COUNTERBALANCE	-	-	-	-	-	-	-
	NOT VISITED.							
47	INCLINE DRUMHOUSE	1	2	2	1	-	-	-
	THROUGH DRUMHOUSE.							
48	INCLINE COUNTERBALANCE	1	1	2	1	-	-	-
49	INCLINE DRUMHOUSE	1	1	1	1	-	-	-
	THROUGH DRUMHOUSE.							
50	RAILWAY EQUIPMENT	1	1	1	1	-	-	-
	COMPLETE RAILWAY SYSTEM.							
51	SMITHY	1	1	1	1	-	-	-
52	WEIGHBRIDGE HOUSE	1	1	1	1	-	-	-
53	ROPEWAY SYSTEM	1	1	2	1	-	-	-
54	ROPEWAY SYSTEM	1	2	2	1	-	-	-
55	INCLINE COUNTERBALANCE	3	3	1	1	-	-	-
56	INCLINE DRUMHOUSE	3	3	1	1	-	-	-
	THROUGH DRUMHOUSE.							
57	INCLINE COUNTERBALANCE	1	1	1	1	-	-	-
58	INCLINE DRUMHOUSE	1	1	1	1	-	-	-
	REMOTE.							
59	QUARRY FACE	1	3	3	1	-	-	Y
60	BLAST SHELTER	1	1	1	1	-	-	Y
61	COMPRESSED AIR SYSTEM	2	1	1	1	-	-	Y
62	WATER STORAGE	1	1	1	1	-	-	Y
63	COMPRESSOR HOUSE	1	1	1	1	-	-	Y
64	SMITHY	1	1	1	1	-	-	Y
65	COMPRESSOR HOUSE	1	1	1	1	-	-	Y
66	COMPRESSED AIR CYLINDER	1	1	1	1	-	-	Y
67	WATER STORAGE	1	1	1	1	-	-	Y
68	ELECTRICITY SUBSTATION	1	1	1	1	-	-	Y
69	INCLINE COUNTERBALANCE	2	2	1	1	-	-	Y
	TRWNC.							
70	INCLINE TRWNC DOCK	2	2	1	1	-	-	Y
71	ELECTRIC MOTOR	3	1	1	1	-	-	Y
	FRAGMENTS ONLY.							
72	INCLINE TRWNC DOCK	1	1	1	1	-	-	Y
73	INCLINE COUNTERBALANCE	1	1	1	1	-	-	Y
	TRWNC.							
74	INCLINE DRUM HOUSING	1	1	1	1	-	-	Y
	DRUM WITH CABLE AND ALL OTHER EQUIPMENT SURVIVES							
	IN HOUSING UNDERNEATH THE RAILS ON THE CRMP.							
	SHIP'S WHEEL BRAKE MECHANISM SURVIVES.							
75	INCLINE BRAKESMAN'S SHELTER	1	1	1	1	-	-	Y
76	STEPS	1	1	1	1	-	-	Y
77	CABAN	1	1	1	1	-	-	Y
78	WORKSHOPS	1	1	1	1	-	-	Y
79	STRUCTURE	1	1	1	1	-	-	Y
80	OFFICE	1	1	1	1	-	-	Y
81	LOCOMOTIVE SHED	1	1	1	1	-	-	Y
82	LOCOMOTIVE COAL SHED	1	1	1	1	-	-	Y
83	PRIVY	1	1	1	1	-	-	Y
84	MILL LONGITUDINAL	1	1	2	1	-	-	Y
85	MILL DRESSING ALCOVES	1	1	2	1	-	-	Y
86	MILL LINE-SHAFTING AREA	1	1	1	1	-	-	Y
87	ELECTRIC MOTOR	1	1	1	1	-	-	Y
88	PRIVY?	1	1	1	1	-	-	Y
89	INCLINE DRUMHOUSE	1	1	2	1	-	-	Y
	THROUGH DRUMHOUSE.							
90	INCLINE COUNTERBALANCE	1	1	2	1	-	-	Y
91	TIPS	1	1	1	1	-	-	Y
92	WEIGHBRIDGE HOUSE	1	1	1	1	-	-	Y



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93	CABAN	1	1	1	1	-	Y
94	CABAN	1	1	1	1	-	Y
95	RAILWAY EQUIPMENT	2	2	1	1	-	Y
96	RETAINING WALL	1	1	2	1	-	Y
97	LOCOMOTIVE SHED <i>FOR DIESEL LOCOMOTIVE - NO GANTRY, NO COAL/WATER FACILITIES.</i>	1	1	1	1	-	Y
98	RAILWAY EQUIPMENT <i>PREFABRICATED RAILWAY, STEEL SLEEPERS.</i>	1	1	1	1	-	Y
99	WATER STORAGE <i>LARGE CONCRETE TANKS.</i>	1	1	1	1	-	Y
100	LOCOMOTIVE SHED <i>GANTRY CRANE OUTSIDE; FOR STEAM LOCOMOTIVES.</i>	1	1	1	1	-	Y
101	GWALIAU	2	2	1	1	-	Y
102	INCLINE INTERMEDIATE LEVEL	2	1	1	1	-	Y
103	WEIGHBRIDGE HOUSE	1	1	1	1	-	Y
104	INCLINE COUNTERBALANCE <i>POSSIBLY NEVER COMPLETED.</i>	1	1	1	1	-	Y
105	INCLINE DRUMHOUSE <i>THROUGH DRUMHOUSE.</i>	2	2	1	1	-	Y
106	INCLINE COUNTERBALANCE <i>TRWNC.</i>	1	1	1	1	-	Y
107	INCLINE DRUMHOUSE <i>THROUGH DRUMHOUSE.</i>	1	1	1	1	-	Y
108	STRUCTURE	1	1	1	1	-	Y
109	WEIGHBRIDGE HOUSE?	1	1	1	1	-	Y
110	RAILWAY EQUIPMENT	1	1	1	1	-	Y
111	LOCOMOTIVE SHED	1	1	1	1	-	Y
115	ROPEWAY SYSTEM TENSIONING CABLE	1	1	1	1	-	Y
116	LOCOMOTIVE BLAST SHELTER	1	2	1	1	-	Y
117	STRUCTURE	1	2	1	1	-	Y
118	GWALIAU	1	1	1	1	-	Y
119	OFFICE	1	1	1	1	-	Y
120	STRUCTURE	1	1	1	1	-	Y
121	PRIVY	1	1	1	1	-	Y
122	CABAN	1	1	1	1	-	Y
123	ROPEWAY SYSTEM WINDING HOUSE	1	2	2	1	-	Y
124	STRONGPOINT	3	3	3	1	-	Y
125	ROPEWAY SYSTEM WINDING HOUSE	1	1	1	1	-	Y
126	ROPEWAY SYSTEM CEFFYL <i>TRANSPORTER MECHANISM.</i>	1	1	1	1	-	Y
127	CABAN	1	2	1	1	-	Y
128	STRUCTURE	2	2	2	1	-	Y
129	STRUCTURE	1	1	2	1	-	Y
130	STRUCTURE	1	1	2	1	-	Y
131	STEPS	1	2	2	1	-	Y
132	WORKSHOPS <i>QUADRANGULAR EDIFICE, TOPPED BY BELL-TOWER WITH DIAMOND-SHAPED CLOCK-FACE. CONTAINS LOCOMOTIVE REPAIR FACILITIES, FOUNDRY, CARPENTER'S SHOP, TIMBER SAWMILL, SLATE-MILL, WAGON REPAIR SHOP, PAINTSHOP. 2' GAUGE RAILS IN SITU, ALSO IRON TURNPLATES (NON-MOVING) AND STUB POINTS, SHORT LENGTH OF 4' GAUGE RAIL. IN RE-USE AS AMGUEDDFA LECHI.</i>	1	1	1	1	Y	Y
133	WATERWHEEL PIT <i>DEWINTON-BUILT 50' 5" DIAMETER 5' 3" BREAST HIGH-BREASTSHOT WATERWHEEL, HEADER TANK AND PIPING IN SITU AND IN FULL WORKING ORDER, ALSO REPLACEMENT PELTON.</i>	1	1	1	1	-	Y
134	YARD	1	1	1	1	-	Y
135	LOCOMOTIVE SHED	1	1	1	1	-	Y
136	ADIT	1	1	1	1	-	Y
137	YARD	1	1	1	1	-	Y
138	INCLINE COUNTERBALANCE	1	1	1	1	-	Y

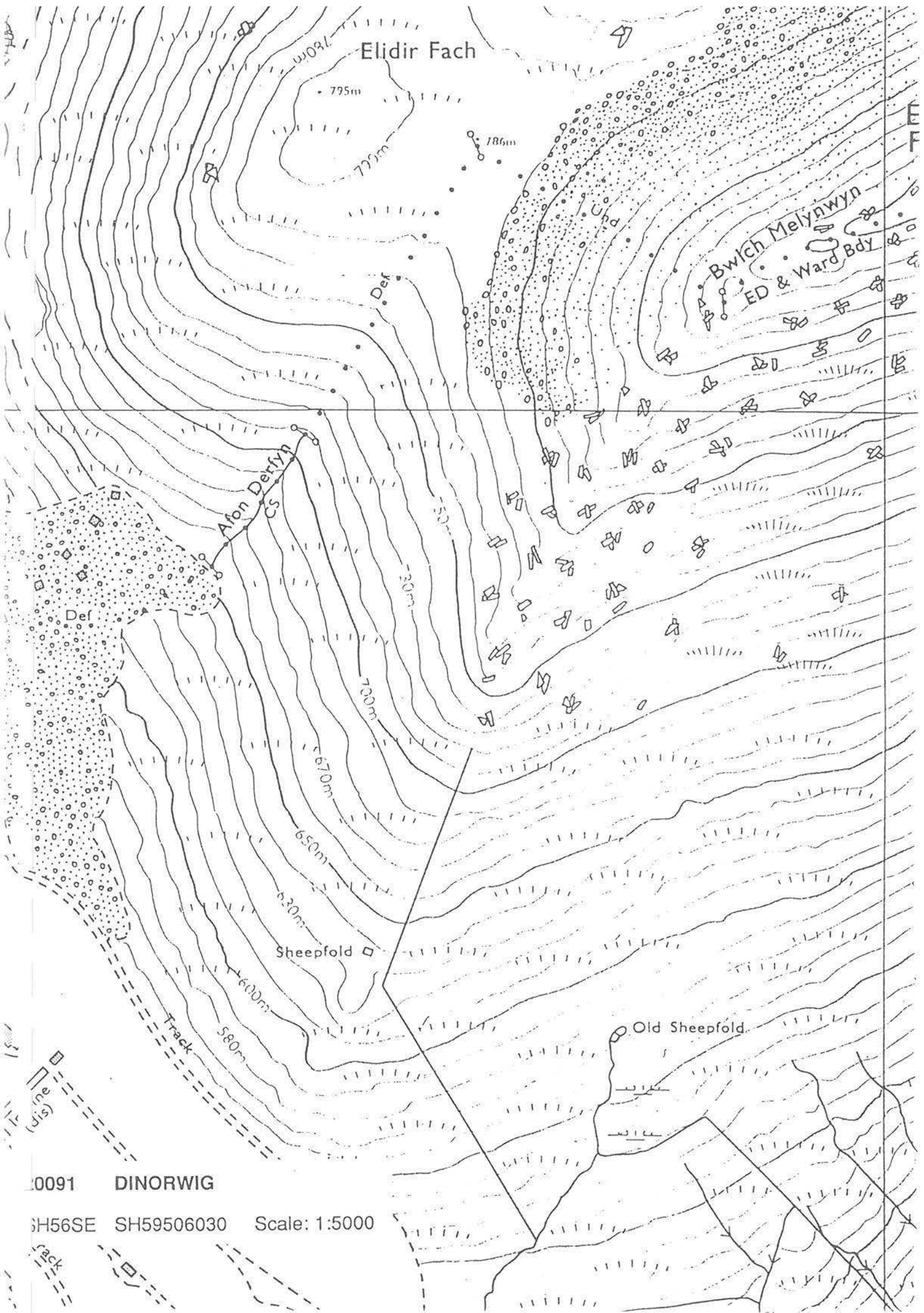


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					Class	1.0	
139	INCLINE DRUMHOUSE THROUGH DRUMHOUSE.	1	1	1	1	-	Y
140	INCLINE COUNTERBALANCE	1	1	1	1	-	Y
141	INCLINE DRUMHOUSE THROUGH DRUMHOUSE.	1	1	1	1	-	Y
142	STEPS	1	1	1	1	-	Y
143	BRIDGE	1	1	1	1	-	Y
144	RAILWAY	1	2	1	1	-	Y
145	BARRACKS	2	2	2	1	-	Y
146	INCLINE COUNTERBALANCE SUBSTANTIALLY INTACT.	1	1	1	1	-	Y
147	INCLINE DRUMHOUSE THROUGH DRUMHOUSE. SUBSTANTIALLY INTACT.	1	1	1	1	-	Y
148	INCLINE COUNTERBALANCE SUBSTANTIALLY INTACT.	1	1	1	1	-	Y
149	INCLINE DRUMHOUSE SUBSTANTIALLY INTACT.	1	1	1	1	-	Y
150	HOSPITAL PRESERVED AS MUSEUM.	1	1	1	1	-	-

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Elidir Fach

795m

786m

770m

Der

Afon Derfyn  
Cs

Bwlch Melynwyn  
ED & Ward Bdy

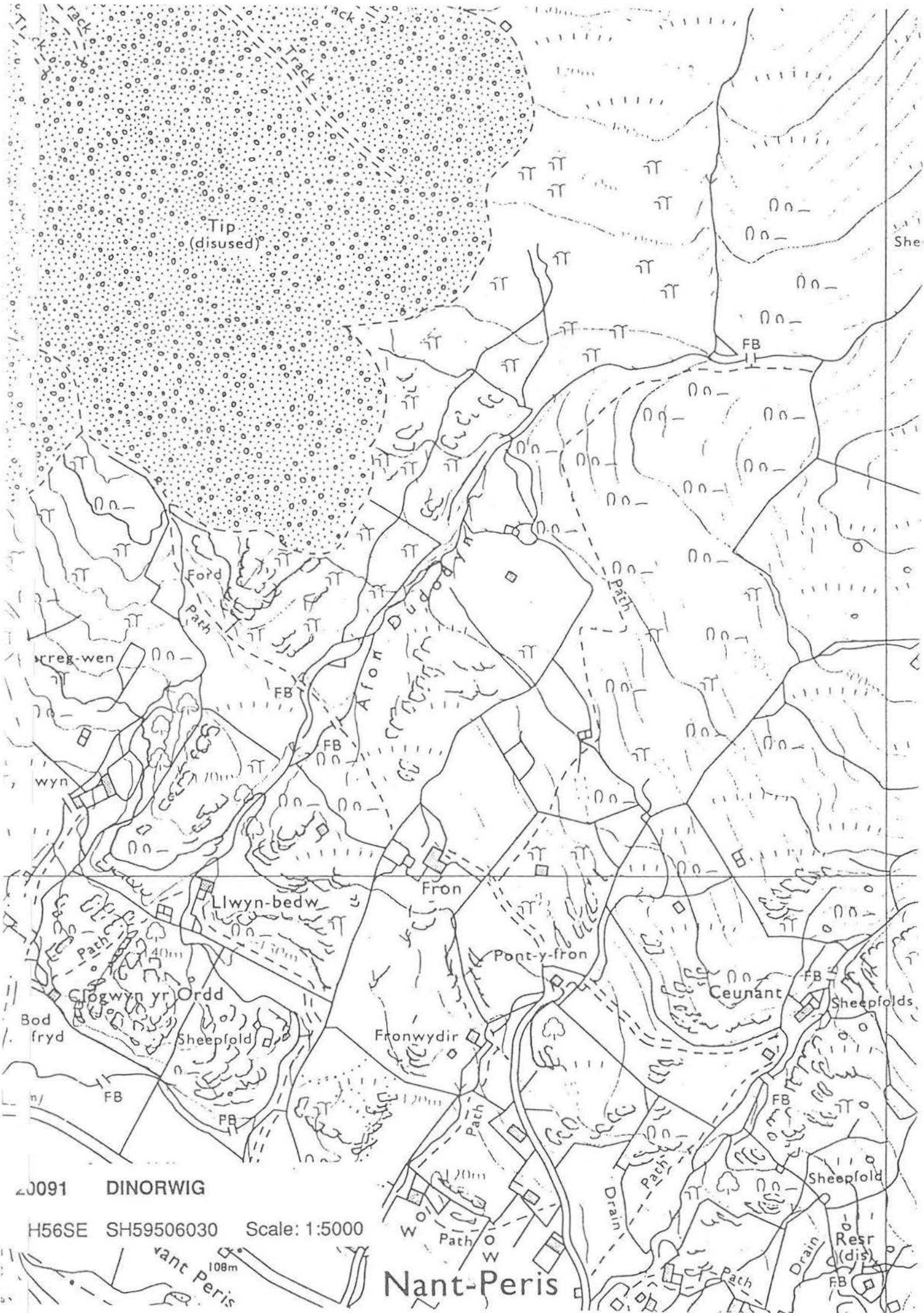
Sheepfold

Old Sheepfold

Track

0091 DINORWIG

SH56SE SH59506030 Scale: 1:5000

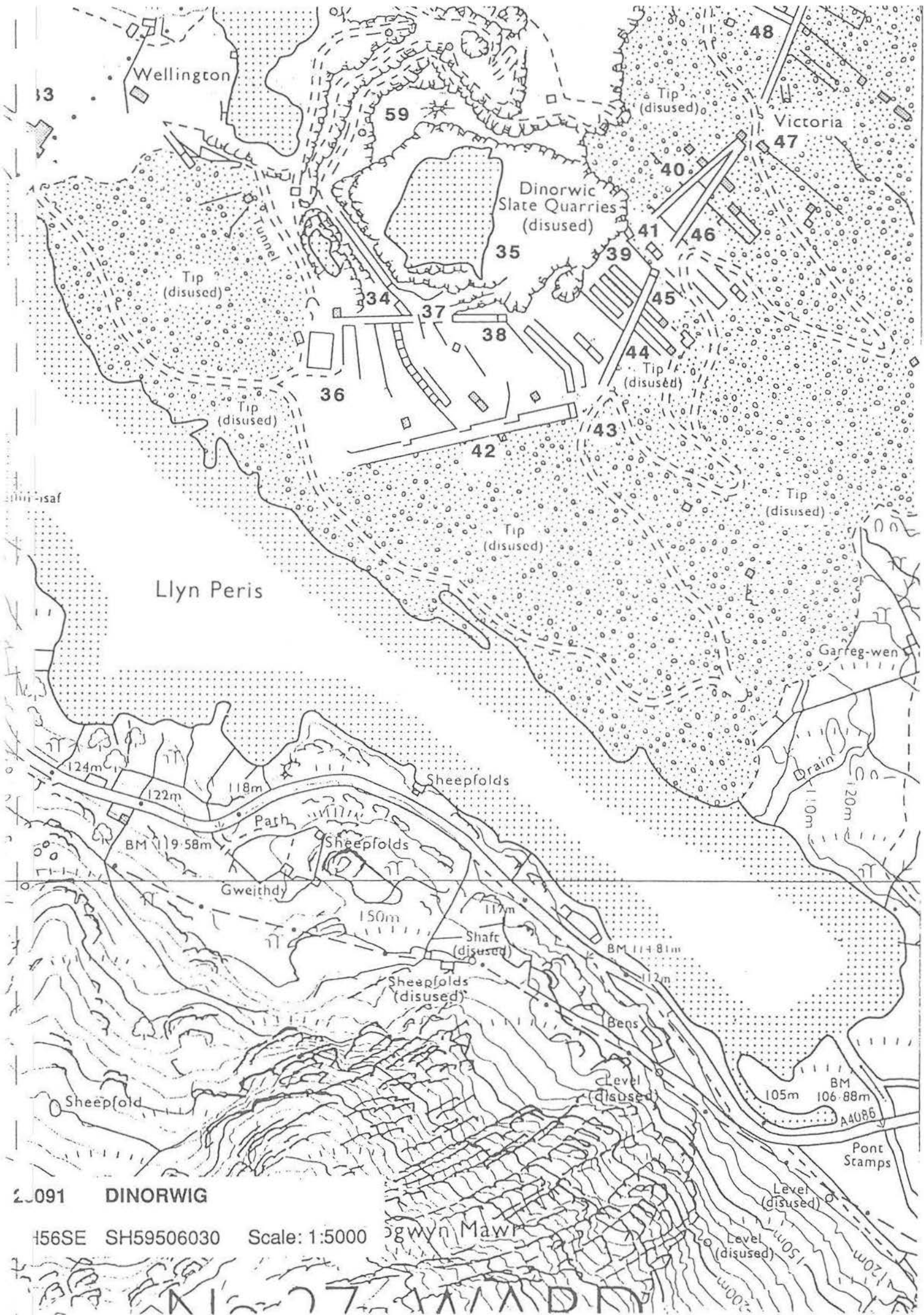


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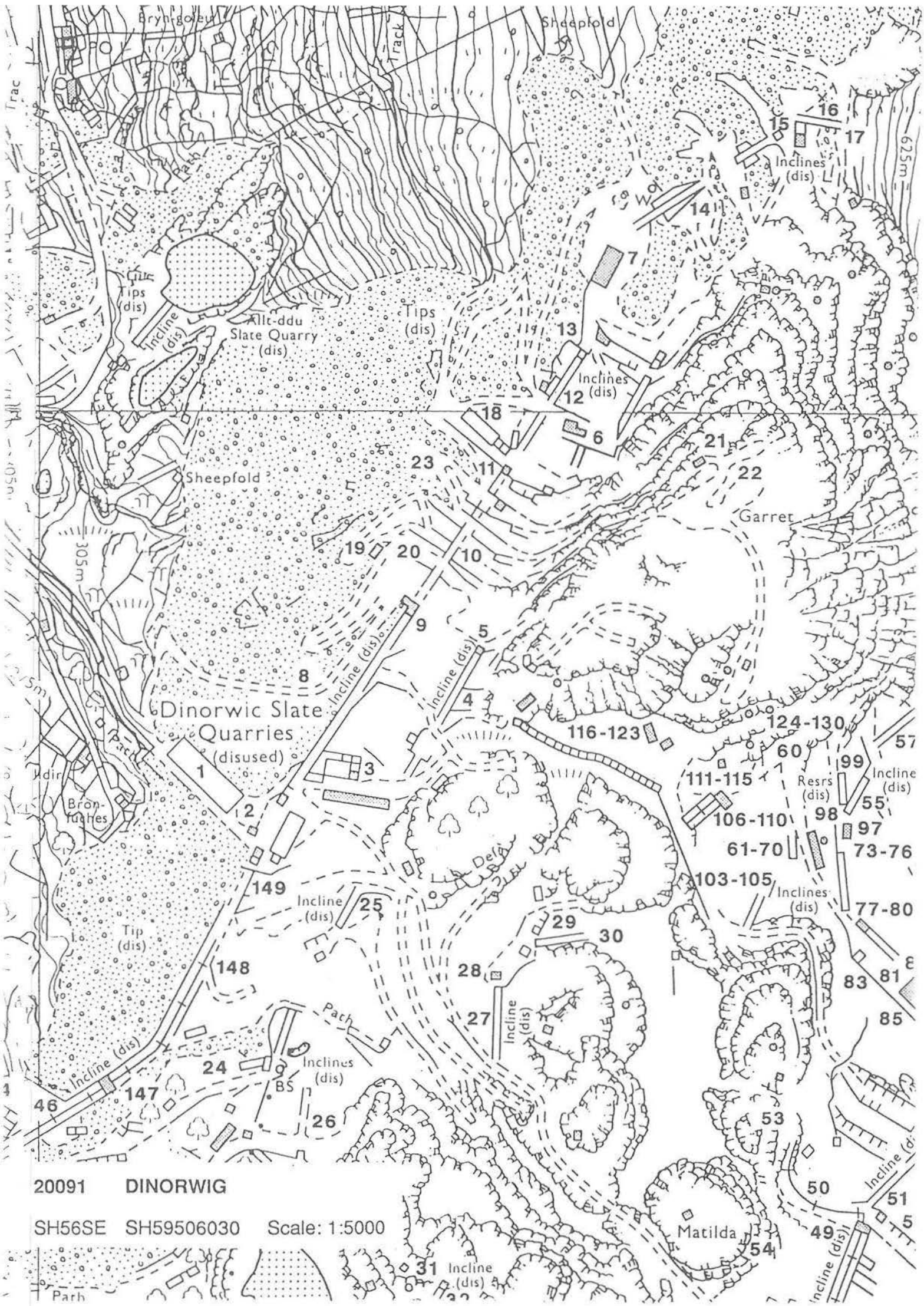
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Nant-Peris









20091 DINORWIG

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Diversity 2 Archive Val. 2 Archaeol. Record 3 Amenity Val. 3 Visual Amenity 3

*A small Dyffryn Lledr quarry, with only one feature considered to be of national importance.*

*Though the horse-circle does not survive in particularly good condition, it is of considerable importance as being the better of only two surviving examples of a technology that was once widespread in the industry.*

## LIST OF QUARRY FEATURES

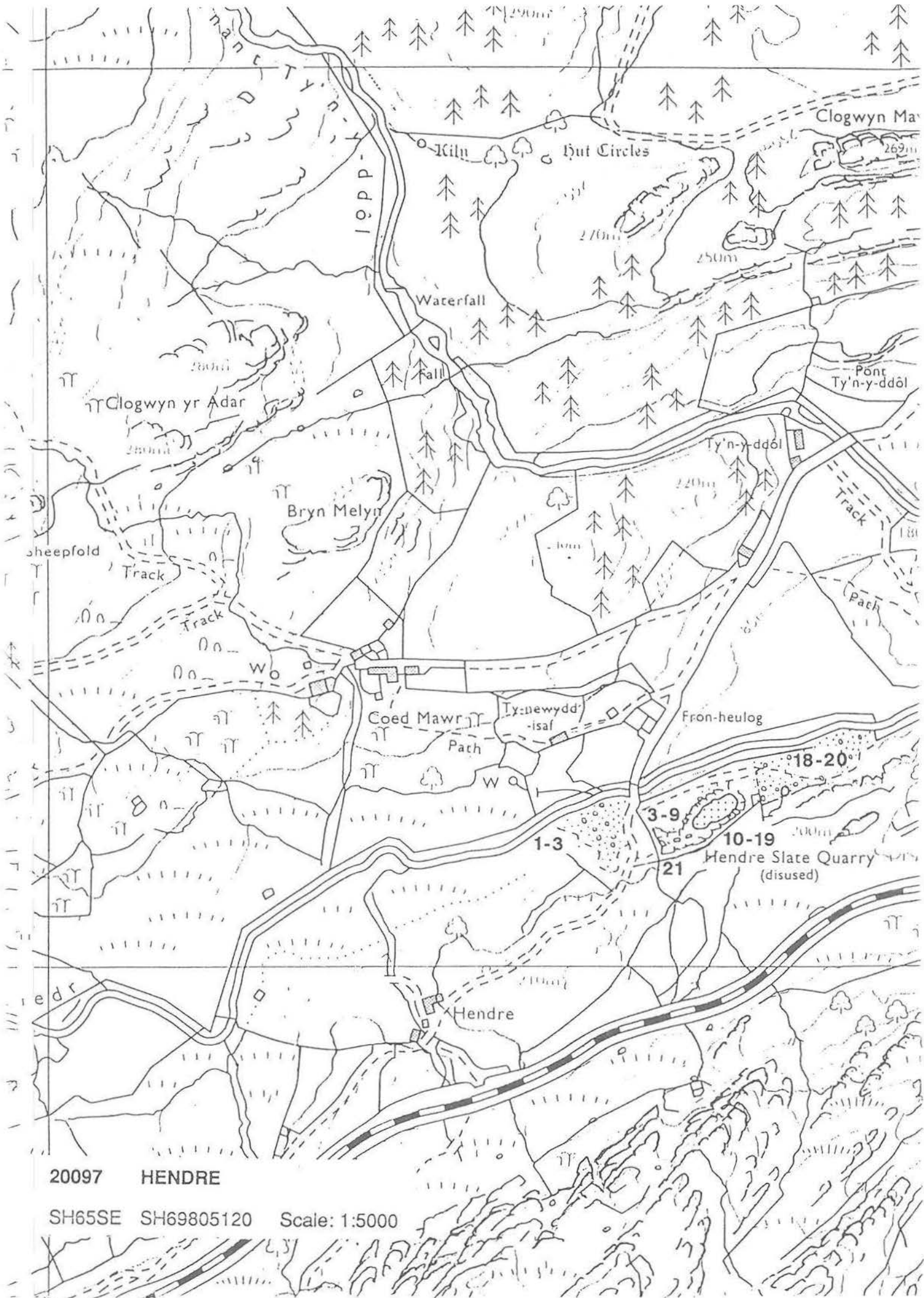
	S	C	F	V	P	R	PO	GV
1 TIPS <i>BULLDOZED.</i>	3	3	1	3	-	-	-	-
2 TIPS	1	1	1	3	-	-	-	-
3 STRUCTURE	3	3	1	3	-	-	-	-
4 CUTTING <i>ACCESS TO QUARRY FACE.</i>	1	1	1	1	-	-	-	-
5 GWAL	1	1	1	1	-	-	-	-
6 QUARRY FACE	1	1	1	1	-	-	-	-
7 QUARRY FACE	1	1	1	1	-	-	-	-
8 QUARRY PIT <i>FLOODED.</i>	1	1	1	1	-	-	-	-
9 STRONGPOINT?	2	2	1	1	-	-	-	-
10 WATERWHEEL PIT	2	1	1	1	-	-	-	-
11 INCLINE UPHHAULAGE HYDRAULIC <i>WATERWHEEL POWERED INCLINE.</i>	2	2	1	1	-	-	-	-
12 LAUNDER SYSTEM	3	3	1	1	-	-	-	-
13 WATERWHEEL PIT	3	2	1	1	-	-	-	-
14 STRUCTURE	2	2	1	1	-	-	-	-
15 WATER STORAGE <i>SMALL POND.</i>	2	2	1	1	-	-	-	-
16 STRUCTURE <i>NO SAWN ENDS IN WALL OR NEARBY; MAY BE A HAND-TRIMMING SHED.</i>	2	2	1	1	-	-	-	-
17 STACKYARD	2	2	1	1	-	-	-	-
18 TIPS	2	2	1	1	-	-	-	-
19 STRUCTURE	2	2	1	1	-	-	-	-
20 GWALIAU	2	2	1	1	-	-	-	-
21 HORSE CIRCLE	3	3	1	1	-	-	-	-

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Diversity 3 Archive Val. 3 Archaeol. Record 3 Amenity Val. 3 Visual Amenity 3

## LIST OF QUARRY FEATURES

	S	C	F	V	P	R	PO	GV
1 TRIAL	1	1	1	1	-	-	-	-
2 ADIT	1	1	1	1	-	-	-	-

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Diversity 3 Archive Val. 2 Archaeol. Record 3 Amenity Val. 3 Visual Amenity 3

## LIST OF QUARRY FEATURES

	S	C	F	V	P	R	PO	GV
1 TIPS <i>BULLDOZED; EXPOSES RETAINING WALL BENEATH (3).</i>	3	3	3	3	-	-	-	-
2 PATH	1	1	1	1	-	-	-	-
3 STRUCTURE <i>MUCH ALTERED DURING USE; FUNCTION UNCERTAIN, POSSIBLY INTENDED AS MILL.</i>	2	2	3	3	-	-	-	-
4 INCLINE WINDING HOUSE	2	2	2	2	-	-	-	-
5 INCLINE UPHAULAGE	2	2	1	1	-	-	-	-
6 WEIGHBRIDGE HOUSE	1	2	1	1	-	-	-	-
7 QUARRY PIT <i>FLOODED.</i>	1	3	1	1	-	-	-	-
8 WATER CHANNEL <i>FUNCTION AND PURPOSE OBSCURE; EMERGES FROM TUNNEL UNDER BANK, DISCHARGES INTO PIT THROUGH ELABORATE STONE STRUCTURE.</i>	2	2	1	1	-	-	-	-
9 WALL <i>STONE-BUILT.</i>	2	2	1	1	-	-	-	-
10 TIPS	1	1	1	1	-	-	-	-

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Diversity 1    Archive Val. 2    Archaeol. Record 3    Amenity Val. 3    Visual Amenity 2

## LIST OF QUARRY FEATURES

		S	C	F	V	P	R	PO	GV
1	ROAD	1	1	1	1	-	-	-	-
2	RAILWAY	2	3	1	1	-	-	-	-
3	OFFICE	2	1	1	1	-	-	-	-
3I	INCLINE COUNTERBALANCE <i>POSSIBLY A COUNTERBALANCE BUT (DEPENDING ON DEVELOPMENT OF GALLERY SYSTEM) MAY HAVE BEEN FOR UPHAULAGE AND TO HAVE BEEN MASS-BALANCED.</i>	3	3	2	1	-	-	-	-
4	MILL LONGITUDINAL <i>EXTERNAL LINE SHAFTING, NO EVIDENCE OF MACHINERY. SAND-SAW OFFCUTS ON TIP NEARBY.</i>	3	2	2	1	-	-	-	Y
5	LAUNDER SYSTEM <i>SUBSTANTIAL STRUCTURE.</i>	1	1	1	1	-	-	-	Y
6	MILL LONGITUDINAL <i>EXTERNAL LINE SHAFTING, SOME IRONWORK SURVIVES.</i>	3	2	1	1	-	-	-	Y
7	WATERWHEEL PIT	1	1	1	1	-	-	-	Y
8	MILL LONGITUDINAL <i>HUNTER OFFCUTS ON TIP NEARBY.</i>	3	3	2	2	-	-	-	Y
9	MILL BAY <i>CONVERTED TO STORE; EARLY PATTERN OF LINE-SHAFTING PASSAGE TO (9) APPARENT IN (5).</i>	2	1	1	1	-	-	-	Y
10	DWELLING	2	1	1	1	-	-	-	-
11	BARRACKS <i>UNUSUAL PATTERN OF BUILDING, NOT GWYNEDD VERNACULAR, POSSIBLY NE WALES INFLUENCE. STABLE ADDED AT W END, OVEN VISIBLE AT E END.</i>	2	2	1	1	Y	-	-	-
12	PRIVY	2	2	1	1	-	-	-	-
13	SMITHY <i>BUILT OUT OF COUNTRY ROCK; 18-HOLE ROCK CANNON NEARBY.</i>	2	1	1	1	Y	-	-	-
14	BRIDGE <i>SITE ONLY.</i>	3	3	1	1	-	-	-	-
15	SHELTER	2	2	1	1	-	-	-	-
16	WEIGHBRIDGE HOUSE	2	2	1	1	-	-	-	-
17	INCLINE WINDING DRUM <i>FRAGMENTS ONLY OF DRUM, REMOVED FROM DRUMHOUSE.</i>	3	1	1	1	-	-	-	-
18	MAGAZINE	2	2	1	1	-	-	-	-
19	BRIDGE <i>HUGE STRONGPOINT SURVIVES.</i>	3	3	1	1	-	-	-	-
20	BRIDGE	1	2	2	2	-	-	-	-
21	INCLINE COUNTERBALANCE	1	1	1	1	-	-	-	-
22	ROAD <i>WHOLE BUILDING SURVIVES, THOUGH IT HAS BEEN EXTENDED.</i>	3	3	1	1	-	-	-	-
23	MACHINE AREA <i>CIRCULAR-SAW OFFCUTS APPARENT, NO MILL NEARBY. PRESUMABLY USED HAND-POWERED SAW.</i>	2	2	1	1	-	-	-	-
24	INCLINE INTERMEDIATE LEVEL	1	1	1	1	-	-	-	-
25	INCLINE INTERMEDIATE LEVEL	2	2	1	1	-	-	-	-
26	BRIDGE	2	2	2	1	-	-	-	-
27	BRIDGE <i>POSTDATES (27).</i>	2	2	2	1	-	-	-	-
28	INCLINE DRUMHOUSE <i>THROUGH DRUMHOUSE.</i>	3	3	2	2	-	-	-	-
29	RAILWAY EQUIPMENT <i>2' GAUGE DOG-BONE SILL (DOWN-CURVING CROSSBAR TO AVOID TRIPPING UP HORSE) DISCOVERED HERE BY R.M. WILLIAMS, 1989. TYPICAL OF 1820s.</i>	1	1	1	1	-	-	-	-
30	GWAL	2	2	2	1	-	-	-	-



20100 CWM EIGIAU SH70106340

					Class	2.0		
32	QUARRY FACE	1	2	2	1	-	-	-
	GALLERY SYSTEM VERY CLEARLY VISIBLE. ALSO THE WAY IN WHICH LAST-PHASE WORKING SACRIFICIED GALLERIES TO WORK ONE PILLAR OF GOOD ROCK.							
33	GWALIAU	2	2	2	1	-	-	-
34	GWALIAU	2	2	2	1	-	-	-
35	GWALIAU	2	2	2	1	-	-	-
36	GWALIAU	2	2	2	1	-	-	-

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 X/PLANS AMP MS COLLECTION CRO  
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 RICHARDS A J, 1991[MONOGRAPH] *A GAZETEER OF THE WELSH SLATE INDUSTRY*, PP 70-1



20100 CWM EIGIAU

SH76SW SH70106340 Scale: 1:5000

Diversity 3 Archive Val. 2 Archaeol. Record 3 Amenity Val. 3 Visual Amenity 3

## LIST OF QUARRY FEATURES

	S	C	F	V	P	R	PO	GV
1 QUARRY FACE	1	1	1	1	-	-	-	-
2 TIPS	1	1	1	1	-	-	-	-
3 QUARRY FACE	1	1	1	1	-	-	-	-
4 TIPS	1	1	1	1	-	-	-	-
5 QUARRY FACE	1	1	1	1	-	-	-	-
6 TIPS	1	1	1	1	-	-	-	-
7 QUARRY FACE	1	1	1	1	-	-	-	-
8 TIPS	1	1	1	1	-	-	-	-

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Diversity 1 Archive Val. 2 Archaeol. Record 2 Amenity Val. 2 Visual Amenity 1

A small quarry on the slopes of Moel Siabod, with a number of interesting features, although only one of which is recommended. The cantilver-roof gwaliau at this site best illustrate the function and type of these slatemakers' shelters, and are of unusual construction.

## LIST OF QUARRY FEATURES

	S	C	F	V	P	R	PO	GV
1 RETAINING WALL	2	2	2	1	-	-	-	-
2 WEIGHBRIDGE HOUSE	3	2	2	1	-	-	-	-
3 BARRACKS	3	2	2	1	-	-	-	-
4 PRIVY	3	2	2	1	-	-	-	-
5 ADIT BLOCKED.	-	-	-	-	-	-	-	-
6 WALL FORMS PART OF STACKYARD.	1	1	1	1	-	-	-	-
7 STACKYARD	1	1	1	1	-	-	-	-
8 MILL BAY MONO-PITCH ROOF.	2	2	2	1	-	-	-	-
9 WATERWHEEL PIT PIT IS PARALLEL TO LONGITUDINAL WALL.	2	2	2	1	-	-	-	-
10 SMITHY	2	2	2	1	-	-	-	-
11 BARRACKS	2	2	2	1	-	-	-	-
12 BARRACKS BUILT ON SUBSTANTIAL SLAB PLATFORM.	2	2	2	1	-	-	-	-
13 STABLES	2	2	2	1	-	-	-	-
14 LAUNDER SYSTEM PILLARS.	2	2	2	1	-	-	-	-
15 WATER STORAGE TURBINE HEADER POND.	2	2	2	1	-	-	-	-
16 INCLINE DRUMHOUSE THROUGH DRUMHOUSE.	3	3	2	1	-	-	-	-
17 INCLINE COUNTERBALANCE	2	2	2	1	-	-	-	-
18 WATER CHANNEL	2	2	2	1	-	-	-	-
19 GWALIAU	1	1	2	1	-	Y	-	-
20 MILL	3	3	2	1	-	-	-	-
21 STRONGPOINT	2	2	2	1	-	-	-	-
22 GWAL	2	2	2	1	-	-	-	-
23 HORSE CIRCLE	3	2	2	1	-	Y	-	-
24 PILLAR PROBABLY LAUNDER PILLAR.	2	2	2	1	-	-	-	-
25 PELTON WHEEL SITE	2	2	2	1	-	-	-	-
26 ADIT BLOCKED.	-	-	-	-	-	-	-	-
27 LOADING AREA PART OF RHOS QUARRY'S ARRANGEMENTS.	2	2	1	1	-	-	-	-
28 DWELLINGS IN RE-USE.	1	1	1	2	-	-	-	-
29 RAILWAY MAY HAVE LED TO VANISHED DRUM HOUSE PART WAY DOWN (33).	3	3	3	2	-	-	-	-
30 ADIT SITE ONLY.	-	-	-	-	-	-	-	-
31 RAILWAY REPLACED (29).	3	3	3	2	-	-	-	-
32 INCLINE DRUMHOUSE THROUGH DRUMHOUSE.	1	2	2	1	-	-	-	-
33 INCLINE COUNTERBALANCE	1	2	2	1	-	-	-	-
34 MILL LONGITUDINAL SAND-SAW BASES EVIDENT.	3	1	1	1	-	-	-	-
35 WATERWHEEL PIT	3	1	1	1	-	-	-	-
36 INCLINE COUNTERBALANCE	1	1	1	1	-	-	-	-



## 37 STRUCTURE

2 2 2 1 - - - -

IN THREE PARTS; MIDDLE CONTAINS AN OVEN OR HEARTH;  
STRUCTURE MAY BE A BAKEHOUSE.

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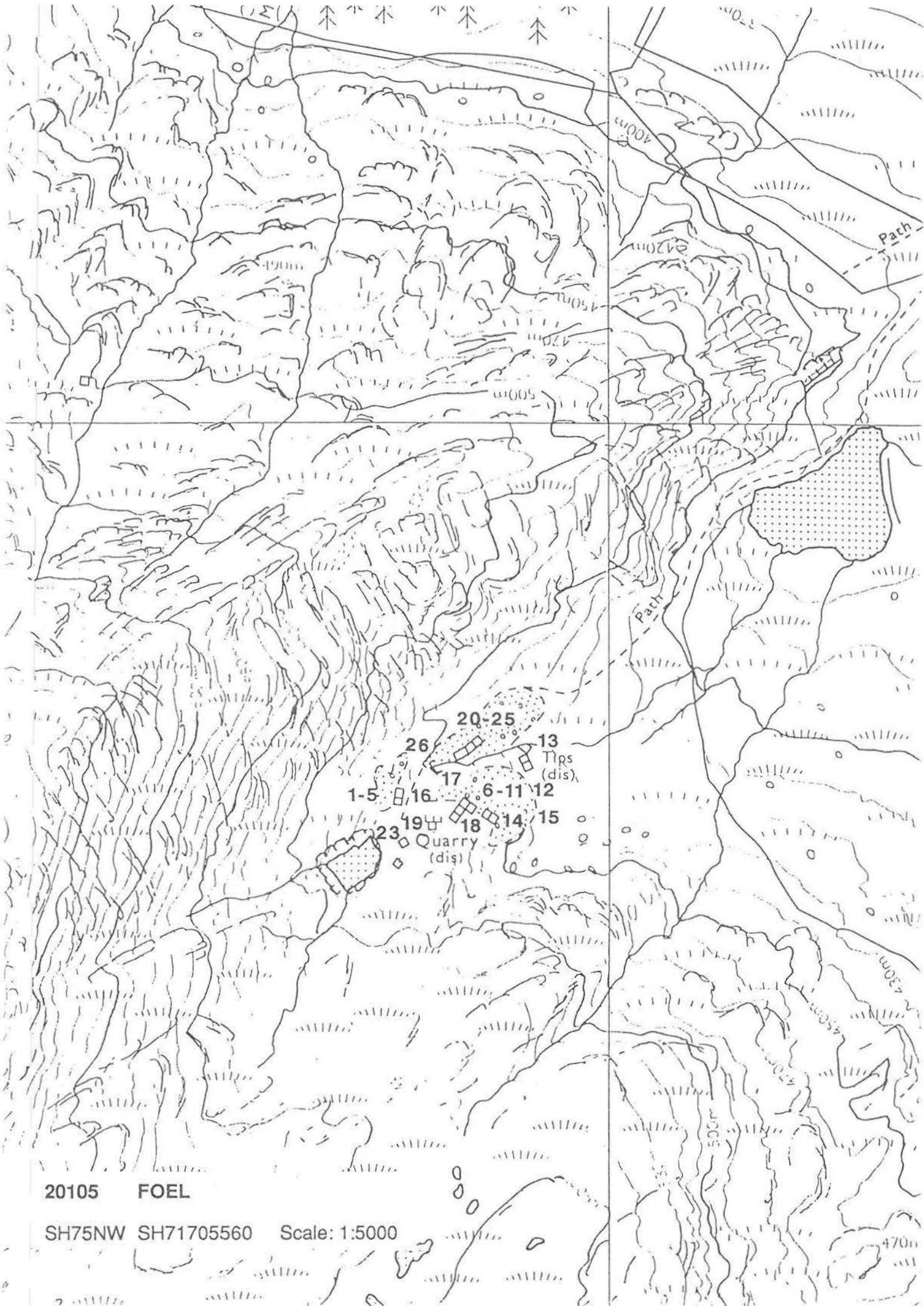
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LEWIS M J T & WILLIAMS M C, 1987[MONOGRAPH] *GWYDIR SLATE QUARRIES*, PP 6-7

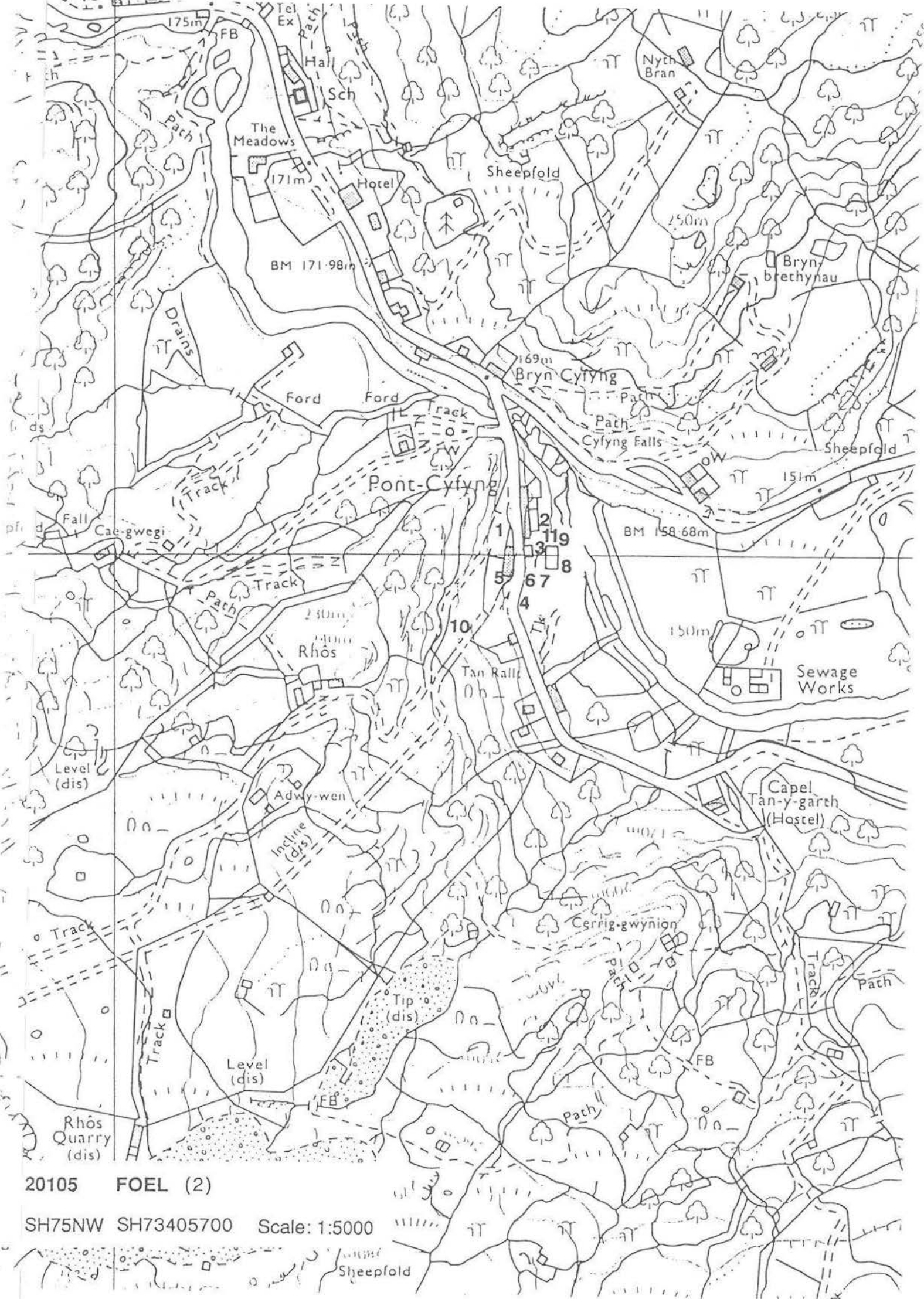
PLAS TAN Y BWLCH, [UNPUBLISHED WORK] *SURVEY OF CONWY VALLEY QUARRIES*,

RICHARDS A J, 1991[MONOGRAPH] *A GAZETEER OF THE WELSH SLATE INDUSTRY*, P 72



20105 FOEL

SH75NW SH71705560 Scale: 1:5000



Diversity 2 Archive Val. 2 Archaeol. Record 3 Amenity Val. 3 Visual Amenity 2

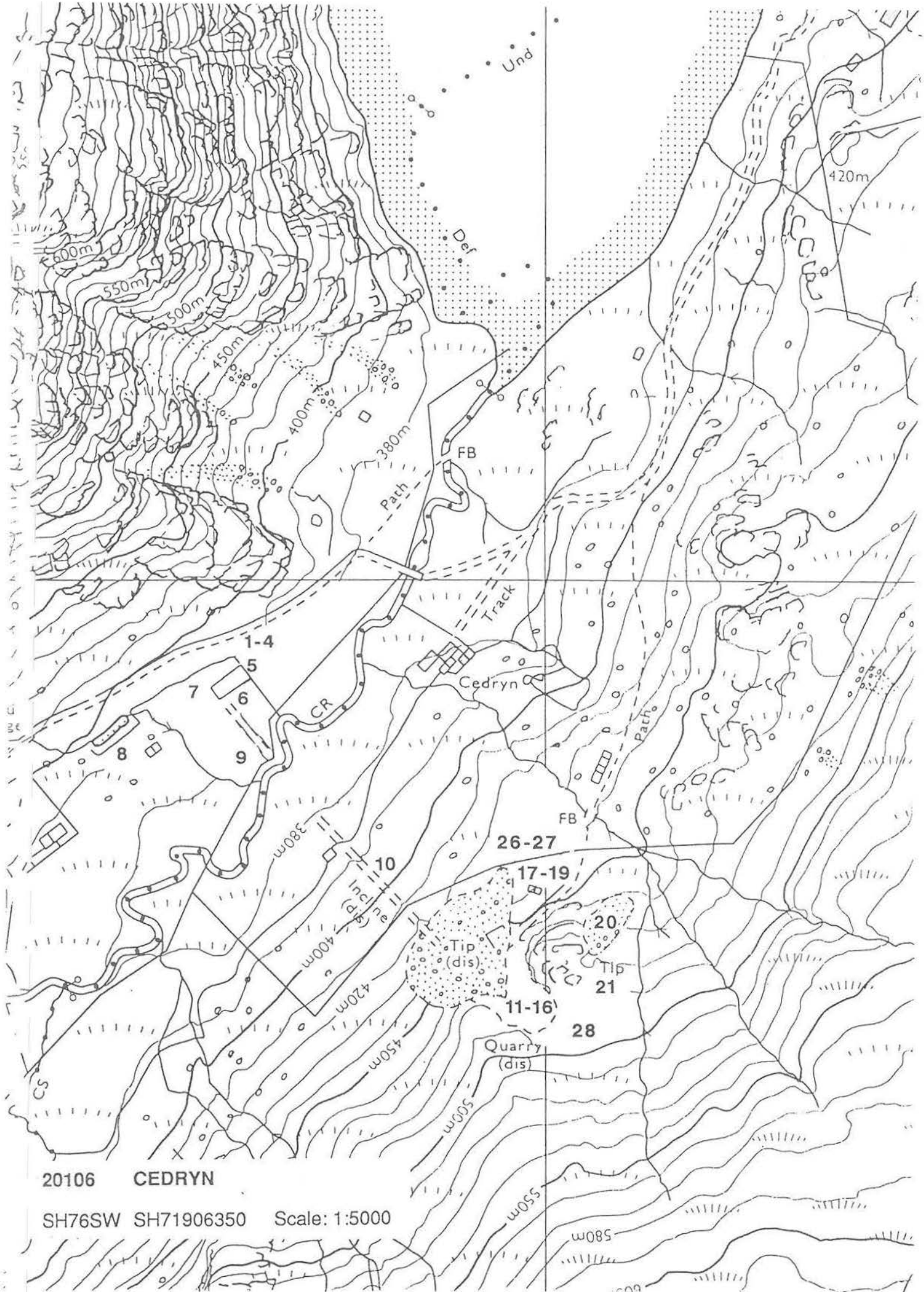
## LIST OF QUARRY FEATURES

	S	C	F	V	P	R	PO	GV
1 OBLITERATED	3	3	3	3	-	-	-	-
2 RAILWAY	1	1	1	1	-	-	-	-
3 WATERWHEEL PIT	1	1	1	1	-	-	-	-
4 WATER CHANNEL	2	2	1	1	-	-	-	-
5 MILL LONGITUDINAL <i>EVIDENCE OF HUNTER, CIRCULAR AND SAND SAWS. UNUSUAL FORM, MORE REMINISCENT OF A GRANITE PLANT.</i>	3	2	2	2	-	Y	-	-
6 MILL WASTE TIP <i>HUNTER SAW OFFCUTS.</i>	1	1	1	1	-	-	-	-
7 STACKYARD	1	1	1	1	-	-	-	-
8 WATER STORAGE <i>STONE-BUILT RESERVOIR.</i>	1	1	1	1	-	-	-	-
9 BRIDGE <i>ABUTMENTS SURVIVE. ALSO SOME TIMBERING IN THE RIVER.</i>	3	2	2	1	-	-	-	-
10 INCLINE COUNTERBALANCE <i>CATENARY SECTION.</i>	1	2	1	1	-	-	-	-
11 INCLINE DRUMHOUSE <i>THROUGH DRUMHOUSE.</i>	3	3	1	1	-	-	-	-
12 GWAL	2	2	2	1	-	-	-	-
13 CABAN	2	2	2	1	-	-	-	-
14 GWAL	2	2	2	1	-	-	-	-
15 GWAL	2	2	2	1	-	-	-	-
16 QUARRY PIT	1	1	1	1	-	-	-	-
17 ADIT <i>COLLAPSED.</i>	-	-	-	-	-	-	-	-
18 ADIT <i>COLLAPSED.</i>	-	-	-	-	-	-	-	-
19 SMITHY <i>COAL YARD AT REAR.</i>	3	2	2	1	-	-	-	-
20 DWELLING <i>CROG-LOFT.</i>	3	2	2	1	-	-	-	-
21 TRIAL	1	1	1	1	-	-	-	-
22 ROAD	1	1	1	1	-	-	-	-
23 BARRACKS	2	2	1	1	-	-	-	-
24 INCLINE INTERMEDIATE LEVEL	3	3	2	1	-	-	-	-
25 CABAN	3	3	2	1	-	-	-	-
26 WEIGHBRIDGE HOUSE	3	3	2	1	-	-	-	-

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20106 CEDRYN

SH76SW SH71906350 Scale: 1:5000

Diversity 3 Archive Val. 2 Archaeol. Record 3 Amenity Val. 2 Visual Amenity 2

## LIST OF QUARRY FEATURES

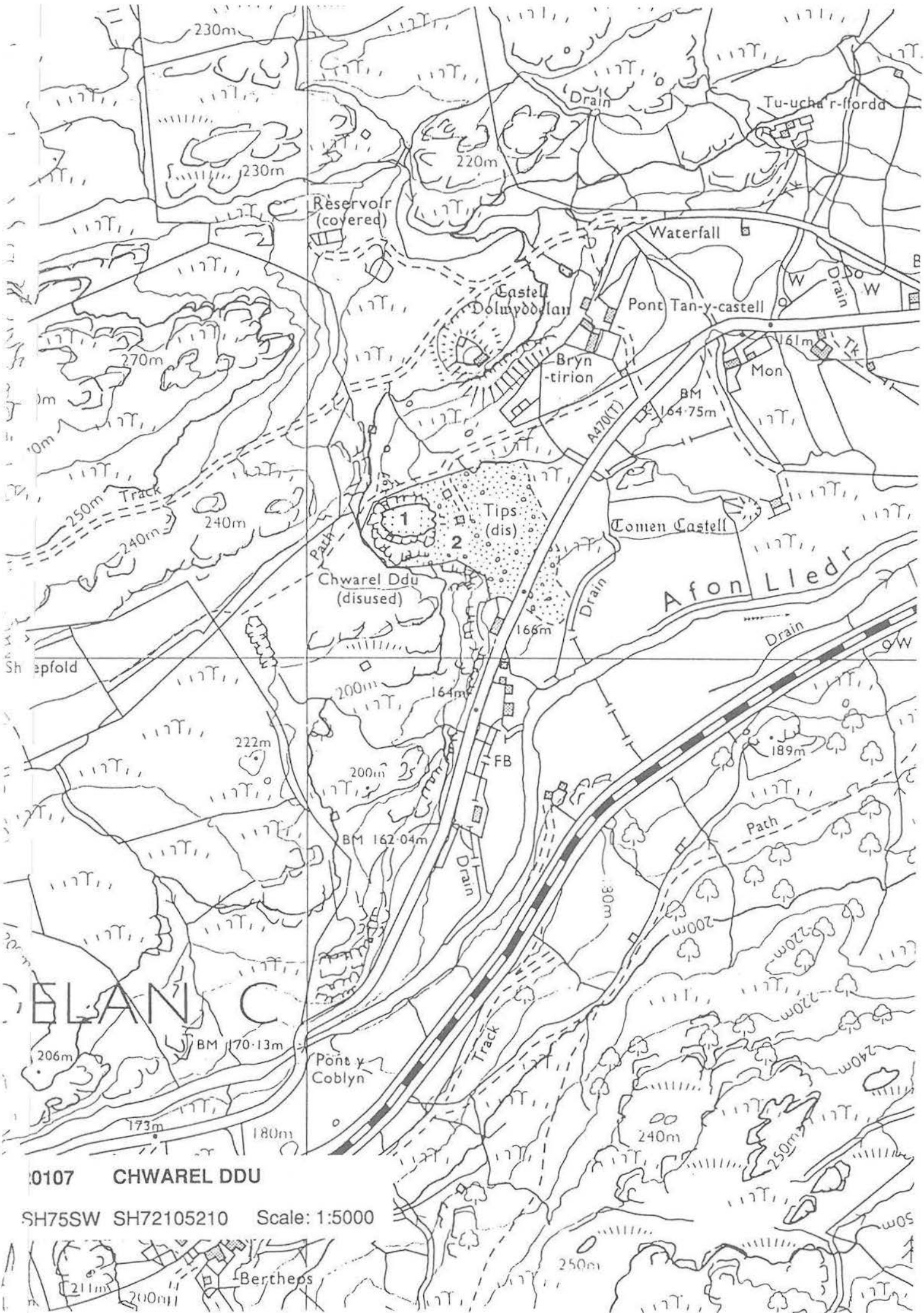
		S	C	F	V	P	R	PO	GV
1	QUARRY PIT FLOODED.	1	3	2	2	-	-	-	-
2	TIPS LANDSCAPED.	3	3	1	1	-	-	-	-

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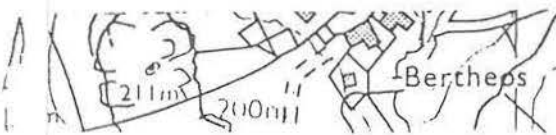
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0107 CHWAREL DDU

SH75SW SH72105210 Scale: 1:5000



Diversity 3 Archive Val. 2 Archaeol. Record 2 Amenity Val. 3 Visual Amenity 3

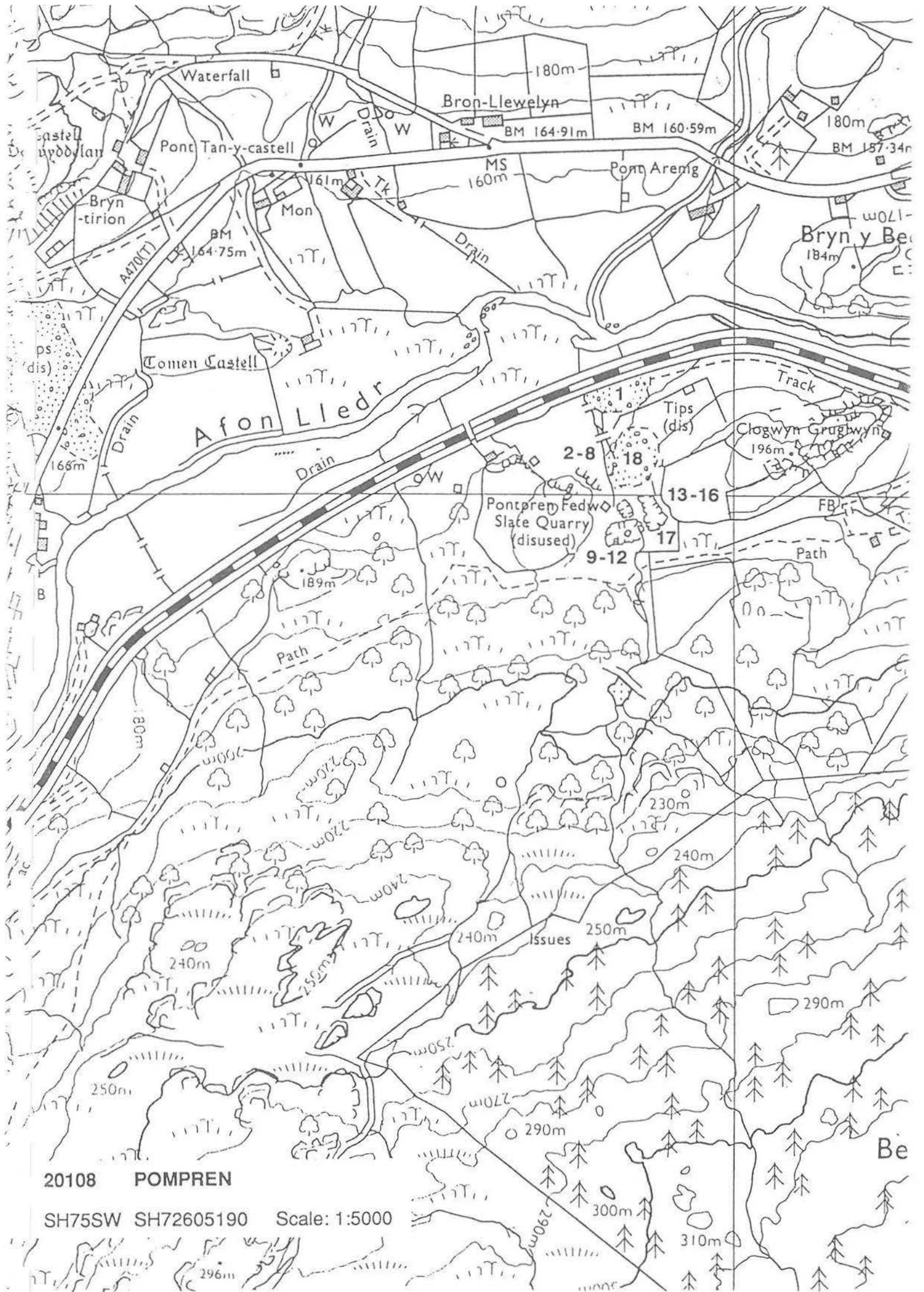
## LIST OF QUARRY FEATURES

		S	C	F	V	P	R	PO	GV
1	TIPS BULLDOZED	3	3	1	3	-	-	-	-
2	MILL SAND-SAW BASE EVIDENT, ALSO SAND-SAW BLADES.	3	1	3	3	-	-	-	-
3	WATERWHEEL PIT	3	2	1	3	-	-	-	-
4	WATER CHANNEL WATER-CHANNEL AND LAUNDER SYSTEM RUN PARALLEL TO EACH OTHER.	1	1	2	2	-	-	-	-
5	RAILWAY	3	3	2	2	-	-	-	-
6	ADIT FLOODED.	1	2	1	1	-	-	-	-
7	WATER ABSTRACTION POINT	2	2	1	1	-	-	-	-
8	SMITHY	2	1	1	1	-	-	-	-
9	BRIDGE OVER (10). POSSIBLY FOR FOOTPATH RATHER THAN TRAMWAY.	1	1	1	1	-	-	-	-
10	CUTTING FLOODED.	1	1	1	1	-	-	-	-
11	QUARRY PIT	1	1	1	1	-	-	-	-
13	INCLINE WINDING HOUSE WATERBALANCE	3	2	1	1	-	-	-	-
14	INCLINE UPHOULAGE	1	1	1	1	-	-	-	-
15	STRUCTURE ?GWAL ?MAGAZINE.	1	1	1	1	-	-	-	-
16	WATER CHANNEL NOW DRY.	1	1	1	1	-	-	-	-
17	QUARRY PIT FLOODED.	1	1	1	1	-	-	-	-
18	TIPS	1	2	2	1	-	-	-	-

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Diversity 1 Archive Val. 2 Archaeol. Record 2 Amenity Val. 2 Visual Amenity 2

*A medium sized quarry on the lower slopes of Moel Siabod. The remains of the mill, compressor house and ropeway system and the hydraulic system that powered them in sequence constitute the best example of a quarry that depended on water-power, and of the way in which effective use was made of the water supply. The ropeway system is of considerable importance as illustrating a comparatively late system reverting to a method of power that was used in the earliest surviving ropeway system site, at Bryneglwys. The barracks/smithy range was selected as the best example of its type within the resource.*

# LIST OF QUARRY FEATURES

		S	C	F	V	P	R	PO	GV
1	MAGAZINE <i>INTERNALLY AND EXTERNALLY RENDERED.</i>	2	2	2	1	-	-	-	-
2	ROAD	1	1	1	1	-	-	-	-
3	RAILWAY <i>NOT SEEN.</i>	1	2	1	1	-	-	-	-
4	BARRACKS <i>2-STORY; IMPRESSIVE AND ATTRACTIVE FEATURE.</i>	2	2	2	1	-	-	-	Y
5	SMITHY <i>BASE FOR DIESEL GENERATOR EVIDENT.</i>	2	2	2	1	-	-	-	Y
6	SMITHY <i>IMPRESSIVE FIREPLACE, ADAPTED TO SERVE AS A SMITHY.</i>	2	2	2	1	-	-	-	Y
7	STRUCTURE <i>DEMOLISHED.</i>	3	3	1	1	-	-	-	-
8	PRIVY	1	2	2	1	-	-	-	-
9	STACKYARD <i>RAISED AREA TO WEST OF (3).</i>	1	1	1	1	-	-	-	-
10	WEIGHBRIDGE HOUSE <i>IN RE-USE. EXCELLENT CONDITION, LONG NARROW PIT SURVIVES. VERY UNUSUAL FORM. POSSIBLY ADAPTED FROM A WEIGHBRIDGE PIT TO LOCOMOTIVE INSPECTION PIT..</i>	1	1	1	1	-	-	-	-
11	CUTTING <i>TO (12).</i>	1	1	1	1	-	-	-	-
12	QUARRY PIT <i>GALLERIES EVIDENT; SOME IRONWORK - LADDER. BODY OF EXIT TRAMWAY WAGON (CRATE STYLE).</i>	1	1	1	1	-	-	-	-
13	INCLINE WINDING HOUSE WATERBALANCE <i>STONE STRUCTURE AND WOODEN FRAME FORMING BASE OF WATER BALANCE DRUM (REMOTE)</i>	1	1	2	1	-	Y	-	Y
14	INCLINE UPHAULAGE WATERBALANCE TANK <i>V-SECTION.</i>	1	1	1	1	-	-	-	Y
15	WATER STORAGE <i>UNUSUAL DAM - IN PLAN IT IS CONVEX AGAINST THE PRESSURE OF THE WATER.</i>	3	3	1	1	-	-	-	Y
16	SLUICE <i>VERTICAL SPINDLE WITH REMAINS OF S-SPOKE HAND-WHEEL..</i>	3	2	1	1	-	-	-	Y
17	LAUNDER SYSTEM <i>PILLARS.</i>	1	1	1	1	-	-	-	Y
18	WATERWHEEL PIT <i>SPINDLE OF WHEEL OPERATED ADJACENT DRUM, BASE EVIDENT.</i>	1	1	1	1	-	-	-	Y
19	ROPEWAY SYSTEM <i>CONCRETE BASE, IRON A-FRAME FOR PULLEY TO DIVERT ROPE UP MAST, LOWER PART OF MAST.</i>	3	1	1	1	-	-	-	Y
20	LAUNDER SYSTEM <i>PILLARS.</i>	1	1	2	1	-	-	-	Y
21	WATERWHEEL PIT <i>RUNS PARALLEL TO MILL. SURVIVES IN EXCELLENT CONDITION. IRONWORK SURVIVES: THE LARGE CAST-IRON PLATE UNDER THE AXLE-BOX IS A NOTICEABLE FEATURE.</i>	1	1	1	1	-	-	-	Y
22	WATER CHANNEL <i>STONE-LINED.</i>	1	1	1	1	-	-	-	Y
23	WATERWHEEL PIT	1	1	1	1	-	-	-	Y
24	COMPRESSOR HOUSE	1	1	1	1	-	-	-	Y

20110 RHOS SH72905640					Class		1.0	
25	MILL LONGITUDINAL	1	1	3	1	-	-	Y
	ROOF TRUSSES COLLAPSING. MACHINE BASES EVIDENT.							
26	MILL LONGITUDINAL	1	1	3	1	-	-	Y
	ROOF TRUSSES COLLAPSING. MACHINE BASES EVIDENT.							
	WORSE CONDITION THAN (25).							
27	MILL DRESSING ALCOVES	1	1	3	1	-	-	Y
	INTEGRAL TO BUILDING THOUGH POSSIBLY LATER THAN							
	(25) AND COEVAL WITH (26). MAY POSSIBLY REFLECT							
	CHANGES IN WORK-PATTERNS, AND BE CONNECTED WITH							
	THE 1877 STRIKE.							
28	CABAN	1	1	2	1	-	-	Y
	POINTED-ARCH WINDOWS.							
29	SMITHY	1	1	2	1	-	-	-
	SMITHY DOOR IS VERY LARGE. CORNER FIREPLACE IN							
	NEXT DOOR BUILDING, SUGGESTING AN OFFICE.							
30	WEIGHBRIDGE HOUSE?	2	1	2	1	-	-	-
	UNUSUAL PLAN AND ARRANGMENTS IF IT IS A							
	WEIGHBRIDGE HOUSE - LARGE DOOR ON S WALL, WINDOW							
	ON E. GABLE.							
31	MILL ENGINE HOUSE	2	1	1	1	-	-	Y
	MACHINE BASE AND BELT-DRIVE TO (26) EVIDENT.							
32	ADIT	-	-	-	-	-	-	-
	BLOCKED.							
33	SHELTER	1	1	1	1	-	-	-
34	WATERWHEEL PIT	1	1	1	1	-	-	-
	ENORMOUS STRUCTURE, CAPABLE OF RECEIVING A 50'							
	WHEEL.							
35	RETAINING WALL	1	1	1	1	-	-	-
	INTENDED AS THE BASE OF A MILL. NEVER CONSTRUCTED;							
	HAD ONE BEEN BUILT, IT WOULD HAVE BEEN POWERED BY							
	(34).							
36	SHELTER	1	1	2	1	-	-	-
37	PRIVY	1	1	1	1	-	-	Y
	OVER WATER-CHANNEL FROM (21) TO (22).							
38	INCLINE DRUM HOUSING	1	1	1	1	-	-	-
	REMOTE: SITE OF DRUM INSERTED INTO INCLINE TO FOEL							
	QUARRY.							

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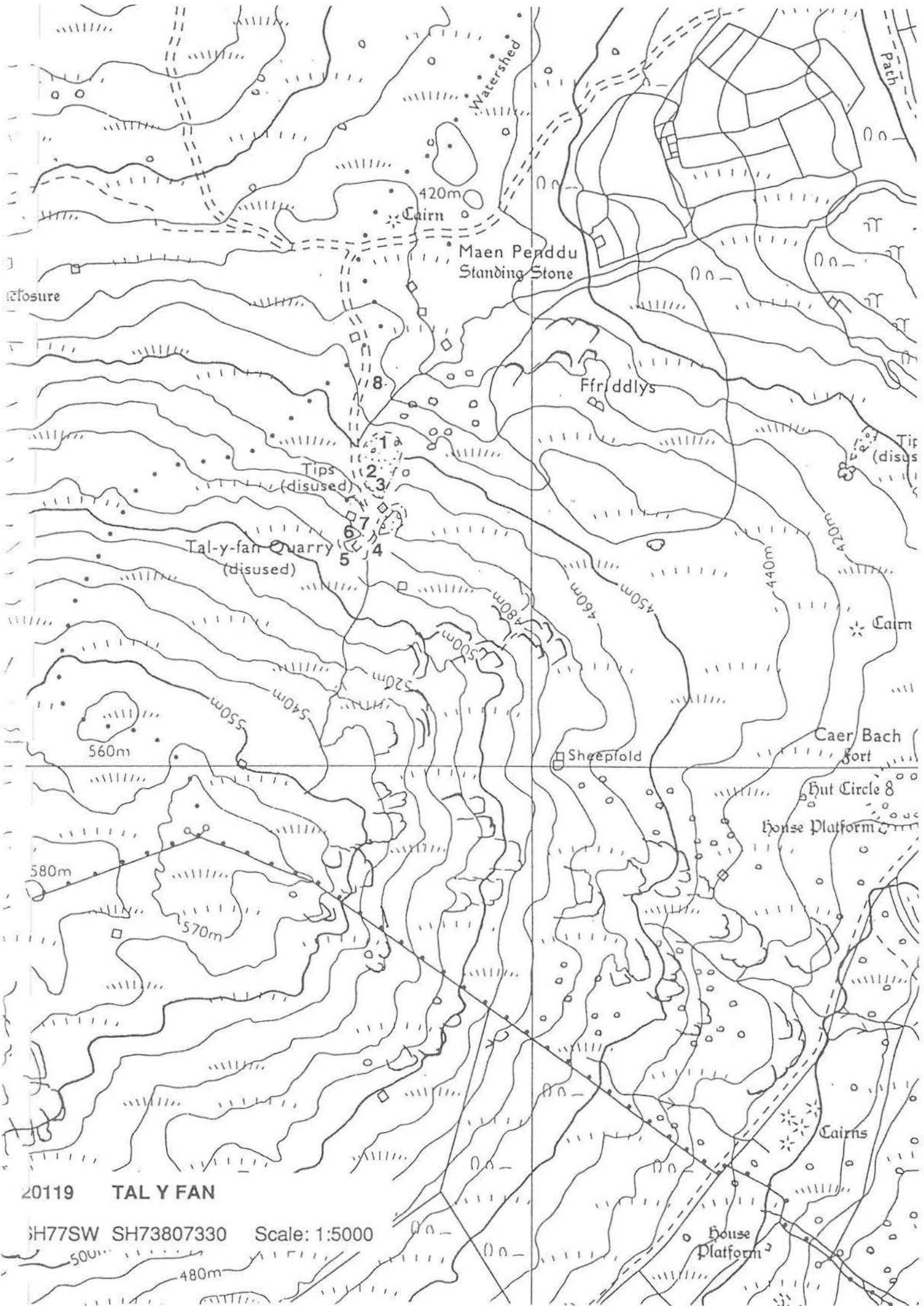
Diversity 3 Archive Val. 3 Archaeol. Record 3 Amenity Val. 3 Visual Amenity 3

## LIST OF QUARRY FEATURES

	S	C	F	V	P	R	PO	GV
1 TIPS	1	1	1	1	-	-	-	-
2 GWAL	3	3	3	3	-	-	-	-
3 CABAN <i>REMARKABLY SMALL STRUCTURE.</i>	1	1	1	1	-	-	-	-
4 GALLERY <i>ALLEGEDLY EVIDENCE OF POWER-DRILLING.</i>	1	1	1	1	-	-	-	-
5 GALLERY	1	1	1	1	-	-	-	-
6 GALLERY	1	1	1	1	-	-	-	-
7 TIPS	1	1	1	1	-	-	-	-
8 ROAD	1	1	1	1	-	-	-	-

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20119 TAL Y FAN

SH77SW SH73807330 Scale: 1:5000

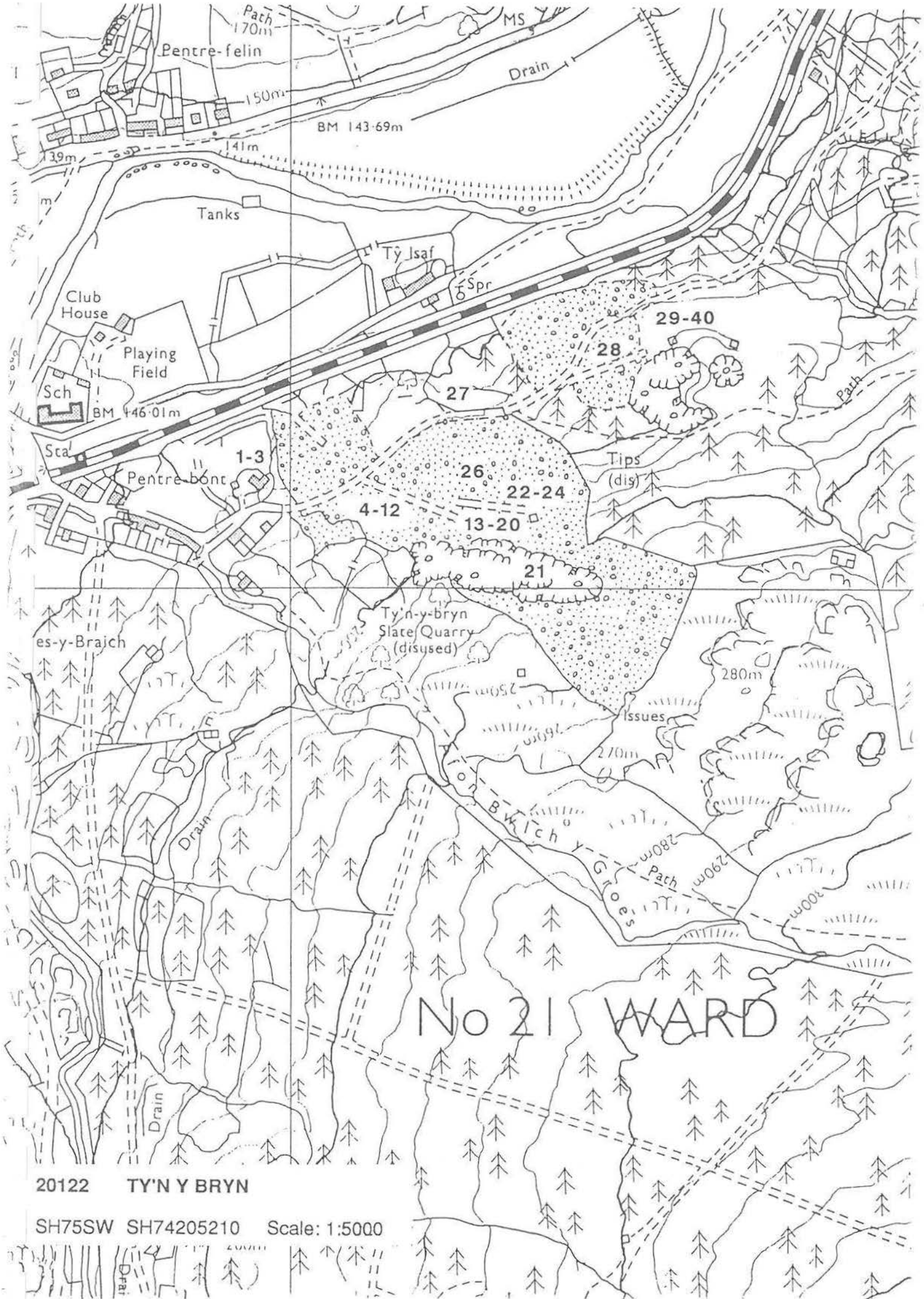
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## LIST OF QUARRY FEATURES

	S	C	F	V	P	R	PO	GV
1 OBLITERATED	3	3	3	3	-	-	-	-
2 MILL	3	3	3	3	-	-	-	-
FOUNDATIONS ONLY.								
3 MILL	2	2	1	3	-	-	-	-
LARGE SLAB BASES EVIDENT; SITE OF MILL.								
4 INCLINE COUNTERBALANCE	1	2	1	1	-	-	-	-
5 WEIGHBRIDGE HOUSE?	3	3	1	1	-	-	-	-
6 WEIGHBRIDGE HOUSE	3	3	1	1	-	-	-	-
7 ADIT	1	3	1	1	-	-	-	-
8 BRIDGE	2	2	1	1	-	-	-	-
9 WEIGHBRIDGE HOUSE	1	1	1	1	-	-	-	-
10 GWALIAU	2	2	1	1	-	-	-	-
11 BRIDGE	1	2	1	1	-	-	-	-
CONVERTED TO PEDESTRIAN USE.								
12 STRUCTURE	3	3	1	1	-	-	-	-
FOUNDATIONS ONLY.								
13 INCLINE DRUMHOUSE	2	2	1	1	-	-	-	-
THROUGH DRUMHOUSE.								
14 GWAL	1	1	1	1	-	-	-	-
15 STRUCTURE	2	2	1	1	-	-	-	-
16 PATH	1	1	1	1	-	-	-	-
UNDER INCLINE.								
17 INCLINE COUNTERBALANCE	1	1	1	1	-	-	-	-
18 INCLINE DRUMHOUSE	2	2	1	1	-	-	-	-
REMOTE.								
19 STRUCTURE	2	2	1	1	-	-	-	-
20 SMITHY	3	3	1	1	-	-	-	-
21 INCLINE COUNTERBALANCE	3	3	2	2	-	-	-	-
22 INCLINE COUNTERBALANCE	3	3	2	2	-	-	-	-
23 INCLINE DRUMHOUSE	2	2	1	1	-	-	-	-
THROUGH DRUMHOUSE.								
24 WEIGHBRIDGE HOUSE	1	1	1	1	-	-	-	-
25 QUARRY PIT	2	2	2	2	-	-	-	-
SOME TIPPING FROM HIGHER LEVELS INTO LOWER QUARRY.								
26 TIPS	1	1	1	1	-	-	-	-
27 RAILWAY	2	3	1	1	-	-	-	-
28 INCLINE COUNTERBALANCE	2	2	1	1	-	-	-	-
29 INCLINE DRUMHOUSE	2	1	1	1	-	-	-	-
REMOTE.								
30 STRUCTURE	3	1	1	1	-	-	-	-
CIRCULAR; OFF-CENTRE FOR INCLINE. SURVIVES TO ABOUT 8' HIGH. IS CORBELLED INWARDS. FUNCTION OBSCURE.								
31 QUARRY FACE	3	3	3	3	-	-	-	-
COVERED IN FORESTRY; ORIGINAL LEVELS LOST.								
32 QUARRY AREA	3	3	3	3	-	-	-	-
POST-DATES QUARRY.								
33 RAILWAY	3	3	3	1	-	-	-	-
34 GWAL	1	1	1	1	-	-	-	-
35 TIPS	1	1	1	1	-	-	-	-
36 EMBANKMENT	1	1	1	1	-	-	-	-
37 INCLINE COUNTERBALANCE	1	1	1	1	-	-	-	-
38 QUARRY AREA	2	2	2	2	-	-	-	-
39 OBLITERATED	3	3	3	3	-	-	-	-
40 CUTTING	2	2	3	1	-	-	-	-
INTO WORKINGS.								

ANCASTER MSS PASSIM MS COLLECTION LINGS. R.O  
PATENT OFFICE SPECIFICATIONS 913 OF 1855 OFFICIAL RECORDS PATENT OFFICE  
PATENT OFFICE SPECIFICATIONS 2192 OF 1866 OFFICIAL RECORDS PATENT OFFICE  
PATENT OFFICE SPECIFICATIONS 942 OF 1862 OFFICIAL RECORDS PATENT OFFICE  
BOYD J I C, 1986[MONOGRAPH] *NARROW GAUGE RAILWAYS IN NORTH CAERNARVONSHIRE III*, P192  
RICHARDS A J, 1991[MONOGRAPH] *A GAZETEER OF THE WELSH SLATE INDUSTRY*, P 81





Diversity 3 Archive Val. 2 Archaeol. Record 3 Amenity Val. 3 Visual Amenity 3

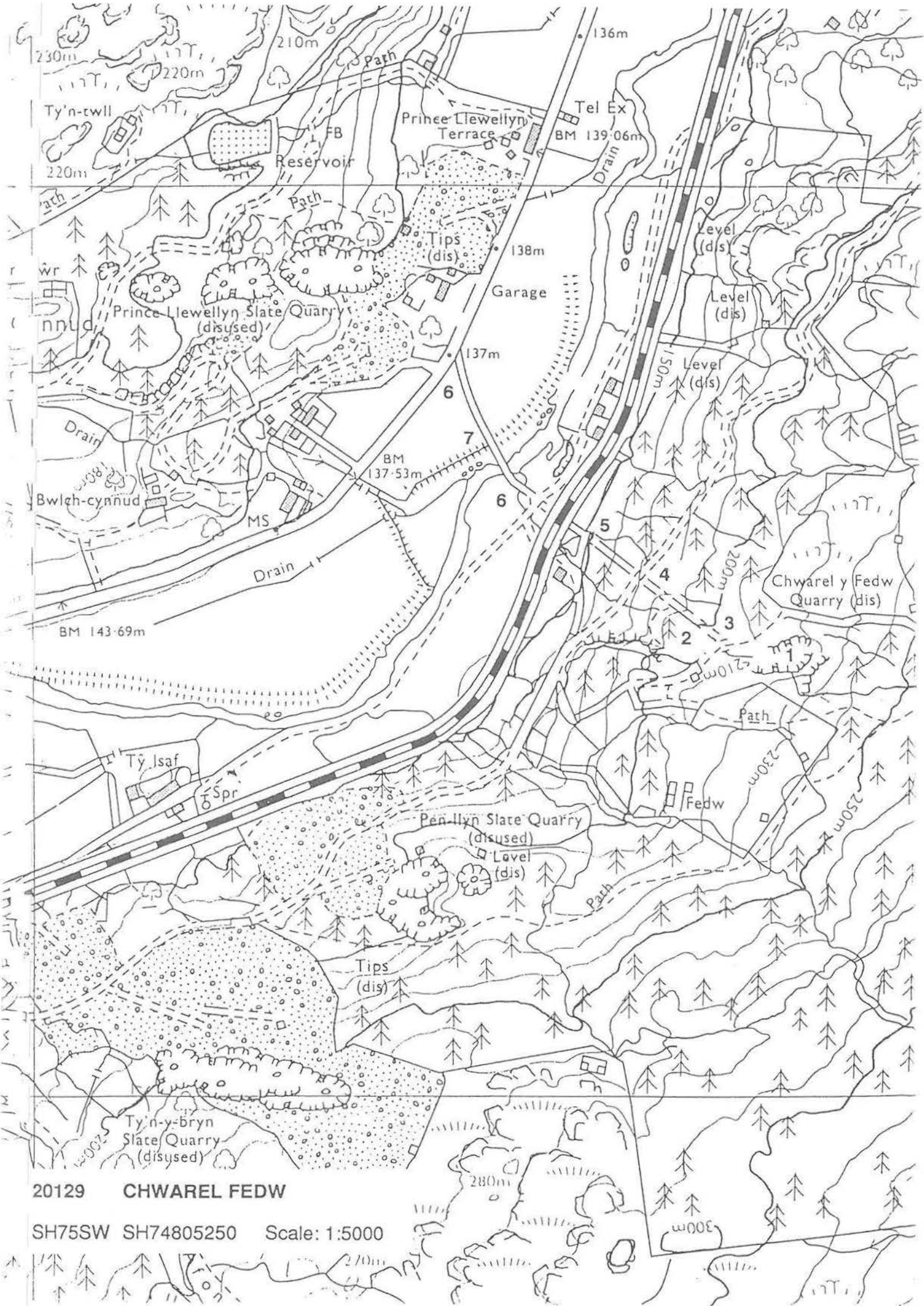
## LIST OF QUARRY FEATURES

	S	C	F	V	P	R	PO	GV
1 QUARRY FACE	2	2	1	1	-	-	-	-
2 TIPS	2	2	1	1	-	-	-	-
3 INCLINE DRUMHOUSE THROUGH DRUMHOUSE.	2	2	1	1	-	-	-	-
4 INCLINE COUNTERBALANCE	1	1	1	1	-	-	-	-
5 BRIDGE SITE ONLY.	3	3	3	3	-	-	-	-
6 EMBANKMENT ARCHED.	1	1	1	1	-	-	-	-
7 BRIDGE SITE ONLY; PRESENT BRIDGE IS A RECENT REPLACEMENT.	3	3	3	3	-	-	-	-

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BOYD J I C, 1986[MONOGRAPH] *NARROW GAUGE RAILWAYS IN NORTH CAERNARVONSHIRE III*, P 129RICHARDS A J, 1991[MONOGRAPH] *A GAZETEER OF THE WELSH SLATE INDUSTRY*, P 68



20129 CHWAREL FEDW

SH75SW SH74805250 Scale: 1:5000

Diversity 3 Archive Val. 2 Archaeol. Record 3 Amenity Val. 3 Visual Amenity 3

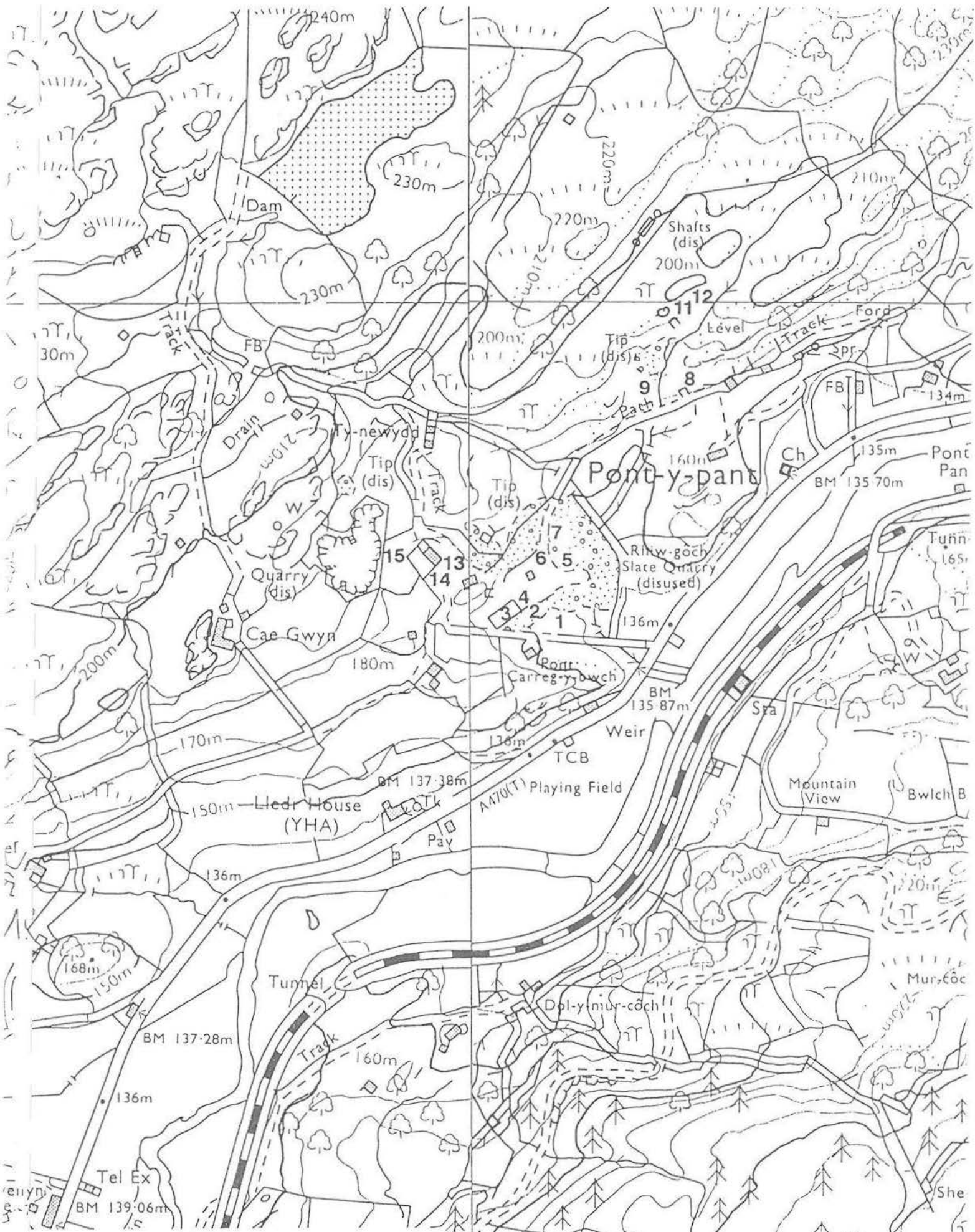
## LIST OF QUARRY FEATURES

	S	C	F	V	P	R	PO	GV
1 INCLINE COUNTERBALANCE	1	1	1	1	-	-	-	-
2 RETAINING WALL	1	2	2	1	-	-	-	-
3 MILL LONGITUDINAL	3	3	3	1	-	-	-	-
4 WATERWHEEL PIT	1	2	2	1	-	-	-	-
5 INCLINE UPHAULAGE WATERBALANCE	2	2	2	1	-	-	-	-
6 RAILWAY	1	1	1	1	-	-	-	-
7 ADIT	-	-	-	-	-	-	-	-
8 ADIT	1	1	1	1	-	-	-	-
9 INCLINE NOT VISITED.	-	-	-	-	-	-	-	-
10 INCLINE DRUMHOUSE THROUGH DRUMHOUSE. NOT VISITED.	-	-	-	-	-	-	-	-
11 WEIGHBRIDGE HOUSE NOT VISITED.	-	-	-	-	-	-	-	-
12 ADIT	-	-	-	-	-	-	-	-
13 MILL INCORPORATED INTO LARGE MODERN FARM SHED.	2	1	1	3	-	-	-	-
14 WATERWHEEL PIT PARALLEL TO LONGITUDINAL WALL OF (13).	2	1	1	3	-	-	-	-
15 ROPEWAY SYSTEM STRONGPOINT ON EDGE OF PIT SUGGESTS A NANTLLE-TYPE ROPEWAY SYSTEM. POWER SOURCE NOT APPARENT.	2	1	1	1	-	-	-	-

## BIBLIOGRAPHIC REFERENCES

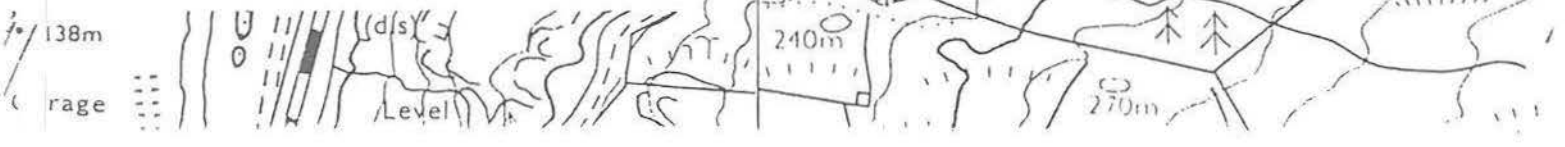
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 RICHARDS A J, 1991[MONOGRAPH] A GAZETEER OF THE WELSH SLATE INDUSTRY, PP 78-9





20131 RHIWGOCH

SH75SW SH74905370 Scale: 1:5000



Diversity 1 Archive Val. 2 Archaeol. Record 2 Amenity Val. 2 Visual Amenity 1

*This site has been landscaped in recent years, and despite having remained in production until 1962, practically nothing of the quarry's own archive survives. It is an interesting example of a site where the archival resource depends largely on eisteddfod essays and other local writings. The main haulage incline is the best surviving example of a waterwheel-powered incline which also illustrates the way in which, as quarrying developed, inclines had to be adapted to serve different functions.*

#### LIST OF QUARRY FEATURES

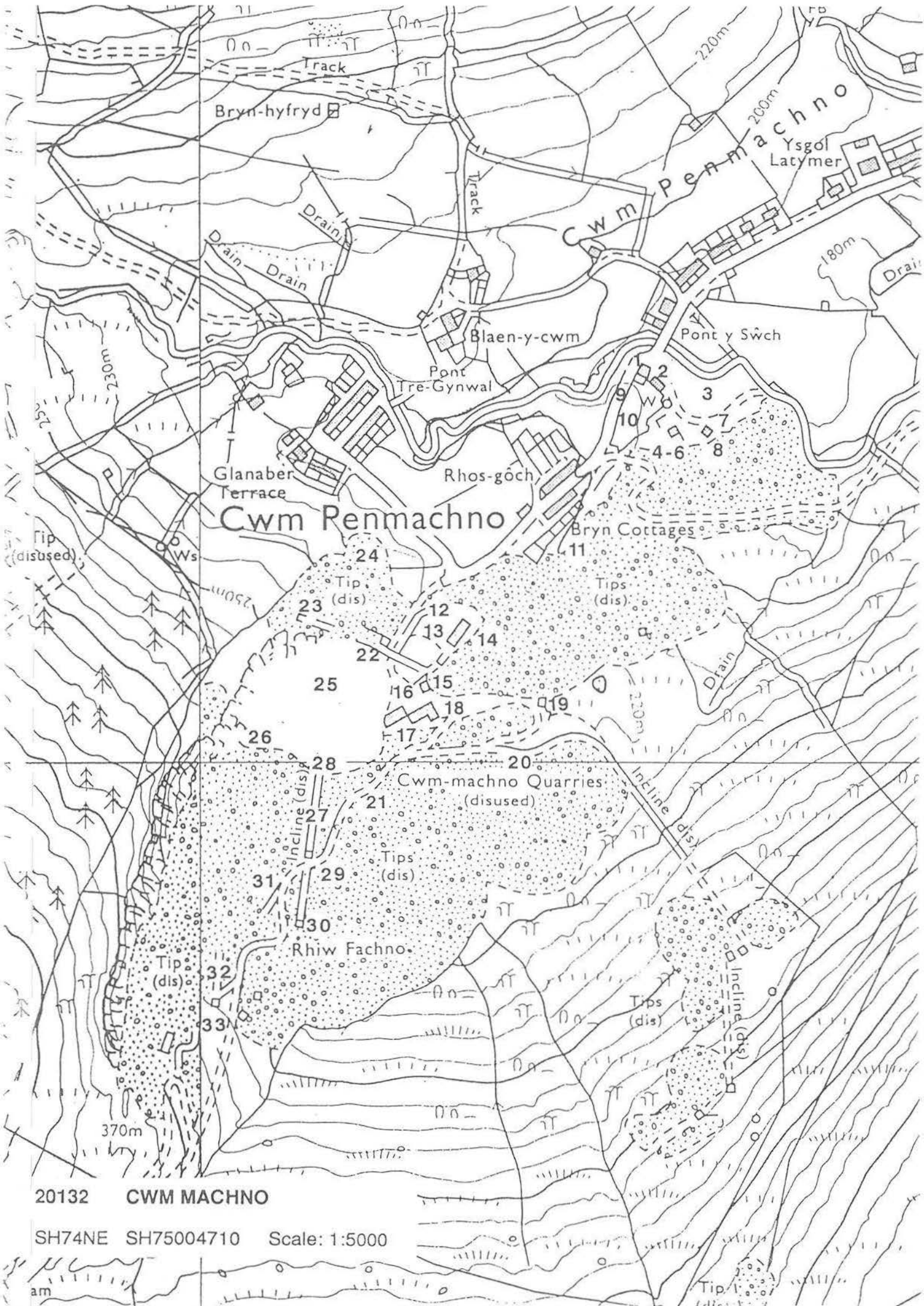
	S	C	F	V	P	R	PO	GV
1 OFFICE	1	1	1	1	-	-	-	-
2 OFFICE	1	1	1	1	-	-	-	-
3 STACKYARD	3	3	1	1	-	-	-	-
4 MILL RADIAL	3	3	1	3	-	-	-	-
5 WATERWHEEL PIT <i>SHOWS SCRATCHMARKS OF INTERNAL GEARING.</i>	3	3	1	3	-	-	-	-
6 MILL RADIAL	3	3	1	3	-	-	-	-
7 STRUCTURE	3	3	2	1	-	-	-	-
8 INCLINE UPHAULAGE <i>WATERBALANCE? FOR TIPPING RUBBLE.</i>	3	3	2	2	-	-	-	-
9 LAUNDER SYSTEM	2	2	1	1	-	-	-	-
10 INCLINE COUNTERBALANCE	3	3	2	2	-	-	-	-
11 ADIT <i>BLOCKED.</i>	-	-	-	-	-	-	-	-
12 ROAD <i>LORRY ACCESS TO (13).</i>	1	1	1	1	-	-	-	-
13 STACKYARD	1	1	1	1	-	-	-	-
14 MILL TRANSVERSE <i>EVIDENCE OF ELECTRIC MOTOR IN ROOF. TRUSSES INTACT, AND SLATES LARGELY SURVIVE, BUT STRUCTURE IS DETERIORATING. GRAFFITI DATING TO 1920s.</i>	1	1	1	1	-	-	-	-
15 OFFICE	1	1	1	1	-	-	-	-
16 STRUCTURE	1	1	1	1	-	-	-	-
17 MILL <i>TRUSSES REMAIN.</i>	3	3	1	1	-	-	-	-
18 FUEL TANK	1	1	1	1	-	-	-	-
19 STRUCTURE <i>NOT VISITED, BUT MARKED ON OS MAP.</i>	-	-	-	-	-	-	-	-
20 RAILWAY	2	2	1	1	-	-	-	-
21 ROAD	1	1	1	1	-	-	-	-
22 OBLITERATED	3	3	3	3	-	-	-	-
23 INCLINE COUNTERBALANCE	1	1	1	1	-	-	-	-
24 TIPS	1	1	1	1	-	-	-	-
25 QUARRY PIT <i>INFILLED AND LANDSCAPED.</i>	3	3	-	-	-	-	-	-
26 INCLINE UPHAULAGE AIR-POWERED	3	2	1	1	-	-	-	-
27 INCLINE COUNTER- & WATERBALANCE <i>THIS IS A REMARKABLE AND INTERESTING FEATURE, WHICH HAS CLEARLY GONE THROUGH A NUMBER OF PHASES. A WATER-WHEEL PIT SURVIVES NEARBY (29) WHICH PRESUMABLY POWERED THE ORIGINAL UP-HAULAGE, BUT IT HAS SUBSEQUENTLY ALSO BEEN USED AS A WATER- BALANCE. IT FUNCTIONED AS A TRWNC.</i>	1	1	1	1	-	Y	Y	-
28 INCLINE	3	3	1	1	-	-	-	-
29 WATERWHEEL PIT	1	1	2	1	-	-	-	Y
30 STRONGPOINT <i>EVIDENCE OF HYDRAULIC SYSTEM TO POWER (27).</i>	1	1	2	1	-	-	-	-
31 INCLINE COUNTERBALANCE	1	1	2	1	-	-	-	-
32 INCLINE COUNTERBALANCE	1	1	2	1	-	-	-	-
33 COMPRESSOR HOUSE <i>PELTON-POWERED.</i>	3	1	1	1	-	-	-	-

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 RCAHM, [UNPUBLISHED WORK] CWM MACHNO SLATE QUARRY, PASSIM  
 RCAHM, [UNPUBLISHED WORK] PENMACHNO SLATE QUARRY, PASSIM  
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 ROBERTS O, 1886[MONOGRAPH] CHWEDLEUON MACHNO, PP 6-7  
 THOMAS JOHN, [PHOTOGRAPH] JOHN THOMAS COLL., DD12





20132 CWM MACHNO

SH74NE SH75004710 Scale: 1:5000

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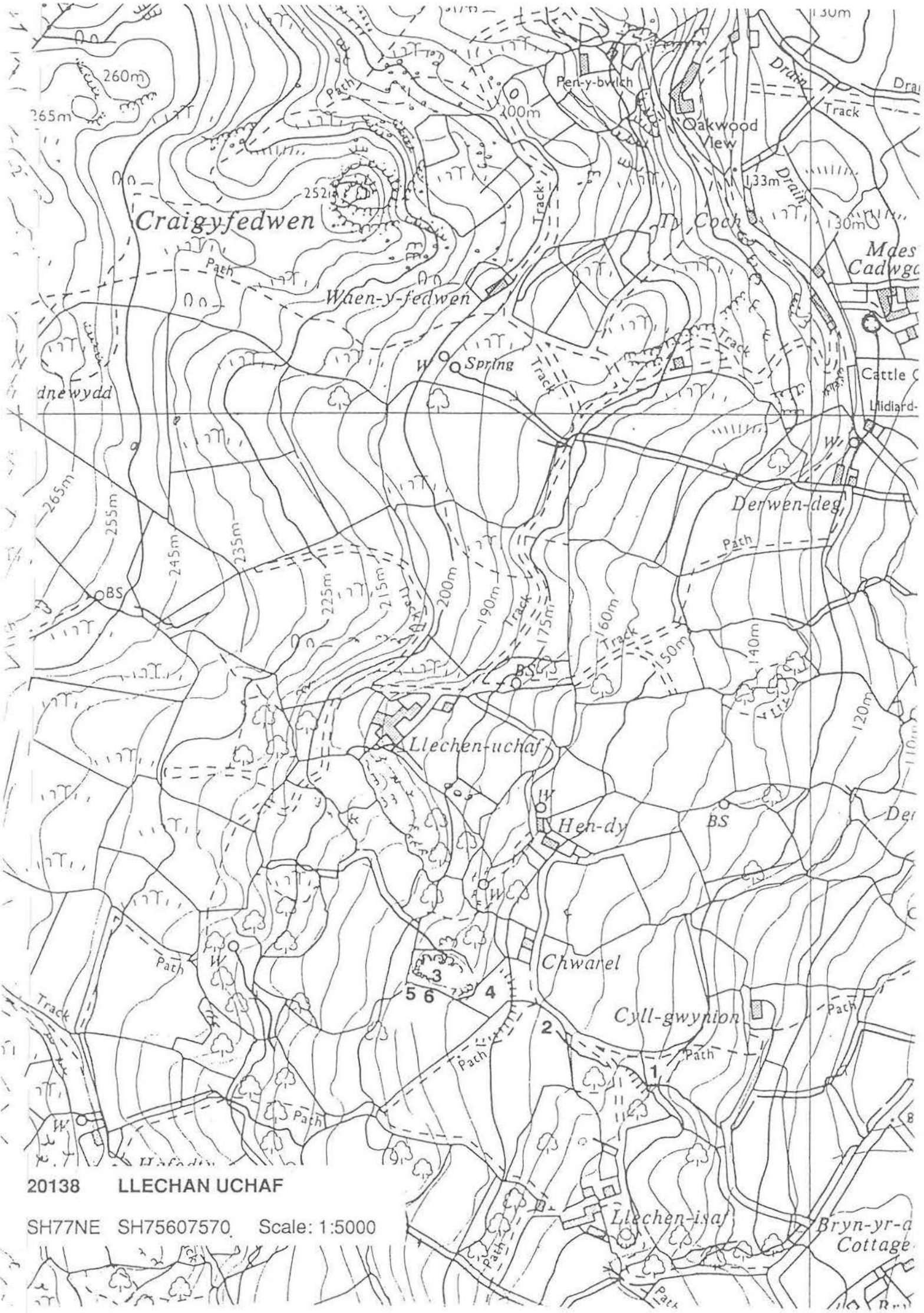
Diversity 3 Archive Val. 3 -Archaeol. Record 3 Amenity Val. 3 Visual Amenity 3

## LIST OF QUARRY FEATURES

		S	C	F	V	P	R	PO	GV
1	TIPS <i>EVIDENCE OF HAND-TRIMMING.</i>	1	1	2	2	-	-	-	-
2	ADIT <i>COLLAPSED.</i>	-	-	-	-	-	-	-	-
3	QUARRY PIT	1	2	2	2	-	-	-	-
4	TIPS	3	3	3	3	-	-	-	-
5	MINE TIP METALLIFEROUS	3	3	2	2	-	-	-	-
6	MINE ADIT METALLIFEROUS	3	3	2	2	-	-	-	-

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Diversity 2 Archive Val. 2 Archaeol. Record 3 Amenity Val. 1 Visual Amenity 1

Visually, Clogwyn y Fwch is a remarkable site, forming a series of chambers up the slope of Mynydd Deulyn. The corbelled tunnel over the lowest tip-run is the only Gwynedd example of a feature commonly found the Lake District, and illustrates the historic connections between these two quarrying districts. This quarry was once managed by William Turner, who originated from the Lake District, and later took over Diffwys (Casson) in Ffestiniog.

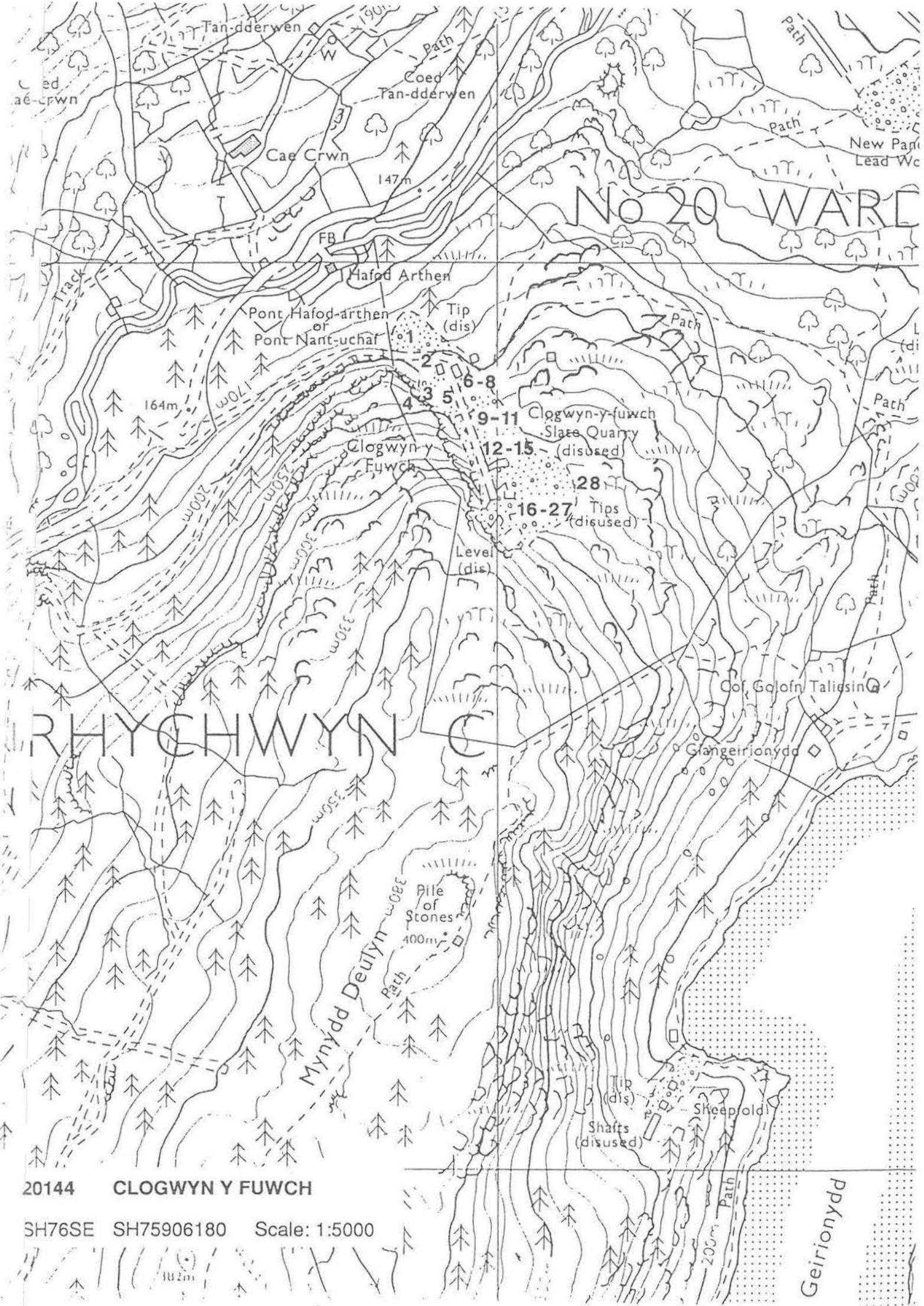
## LIST OF QUARRY FEATURES

	S	C	F	V	P	R	PO	GV
1 OBLITERATED	3	3	3	3	-	-	-	-
2- ADIT CORBELLED TUNNEL OVER TIP RUN, UNIQUE WITHIN WELSH SLATE INDUSTRY, OTHER EXAMPLES IN LAKE DISTRICT. e.g. WALNA SCAR.	1	1	2	1	-	Y	-	-
3 CHAMBER	1	1	1	1	-	-	-	-
4 GWALIAU	1	2	2	1	-	-	-	-
5 PATH	3	3	3	1	-	-	-	-
6 STRUCTURE DIVIDING WALL CONTAINS A SLOT FOR A BELT-DRIVE; POSSIBLY A MILL POWERED BY (OR INTENDED FOR) A GAS ENGINE; TOO SMALL FOR STEAM. NO EVIDENCE OF WATER- POWER.	2	2	2	1	-	-	-	-
7 LOADING AREA	1	2	1	1	-	-	-	-
8 STRUCTURE OPEN-SIDED TRANSFER SHED?	3	2	2	1	-	-	-	-
9 EMBANKMENT RETTED: BRIDGE ABUTMENT?	1	1	2	1	-	-	-	-
10 CHAMBER	1	1	2	1	-	-	-	-
11 GWAL	3	3	2	1	-	-	-	-
12 BRIDGE ABUTMENTS ONLY SURVIVE.	1	2	2	1	-	-	-	-
13 GWALIAU	1	1	2	1	-	-	-	-
14 ADIT	1	1	2	1	-	-	-	-
15 INCLINE COUNTERBALANCE	1	3	3	1	-	-	-	-
16 GWALIAU? UNCONVENTIONAL DESIGN; ONE CONTAINS A WINDOW. OTHER HAS AN INTERNAL DIVIDING WALL.	2	2	2	1	-	-	-	-
17 INCLINE DRUMHOUSE REMOTE DRUMHOUSE WITH ADJACENT SMITHY. THESE TWO BUILDINGS ABUT, BUT DATE FROM DIFFERENT PERIODS. THE DRUMHOUSE HAS BEEN ALTERED. POSSIBLY TO ACCOMMODATE A SHEAVE ON A HORIZONTAL AXLE, RATHER THAN A DRUM. IN AUGUST 1991 A SMALL PLATEWAY CHAIR OR SILL WAS DISCOVERED HERE.	2	2	2	1	-	-	-	-
18 ADIT	1	1	2	1	-	-	-	-
19 RETAINING WALL	1	1	3	1	-	-	-	-
20 STEPS FUNCTION OBSCURE; POSSIBLY RELATES TO INCLINE BALANCE SYSTEM; LEADS TO SMALL OPENING.	1	1	2	2	-	-	-	-
21 INCLINE COUNTERBALANCE FUNCTION OBSCURE.	1	3	3	1	-	-	-	-
22 WALL BUILT ACROSS INCLINE.	1	2	2	1	-	-	-	-
23 CHAMBER	1	1	2	1	-	-	-	-
24 GWAL	2	2	2	1	-	-	-	-
25 STRUCTURE ROUND; FUNCTION OBSCURE. DOES NOT LINE UP WITH (21) AND IS THEREFORE UNLIKELY TO BE A SHEAVE PIT.	3	2	2	1	-	-	-	-
26 GWAL FUNCTION OBSCURE.	3	3	3	1	-	-	-	-
27 CHAMBER BLOCKED BY FALL.	1	3	3	1	-	-	-	-
28 PATH FUNCTION OBSCURE.	1	1	1	1	-	-	-	-

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LEWIS M J T & WILLIAMS M C, 1987[MONOGRAPH] PIONEERS OF FFESTINIOG SLATE, P 10  
RICHARDS A J, 1991[MONOGRAPH] A GAZETEER OF THE WELSH SLATE INDUSTRY, P 69





20144 CLOGWYN Y FUWCH

SH76SE SH75906180 Scale: 1:5000

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Diversity 3    Archive Val. 2    Archaeol. Record 3    Amenity Val. 3    Visual Amenity 3

## LIST OF QUARRY FEATURES

	S	C	F	V	P	R	PO	GV
1 QUARRY FACE	1	2	1	1	-	-	-	-
2 TIPS	1	2	1	1	-	-	-	-

## BIBLIOGRAPHIC REFERENCES

GLYNLLIFON MSS PASSIM MS COLLECTION CRO

RICHARDS A J, 1991[MONOGRAPH] *A GAZETEER OF THE WELSH SLATE INDUSTRY*, P 78



Diversity 3 Archive Val. 2 Archaeol. Record 3 Amenity Val. 3 Visual Amenity 3

## LIST OF QUARRY FEATURES

	S	C	F	V	P	R	PO	GV
1 RETAINING WALL <i>STEPS BUILT INTO IT.</i>	1	1	1	1	-	-	-	-
2 STRUCTURE <i>SMITHY OR DOMESTIC?</i>	3	2	2	1	-	-	-	-
3 RETAINING WALL	1	1	2	1	-	-	-	-
4 CHAMBER	1	1	2	1	-	-	-	-
5 CUTTING <i>STONE-LINED. WIDE ENOUGH FOR BARROW OR SLAB- STRETCHER, NOT FOR TRAMWAY.</i>	1	1	2	1	-	-	-	-
6 GWAL	3	3	2	1	-	-	-	-
7 CHAMBER	1	1	2	1	-	-	-	-
8 ROAD	1	1	2	1	-	-	-	-
9 CHAMBER	1	1	3	1	-	-	-	-
10 CHAMBER	1	1	3	1	-	-	-	-
11 ADIT <i>FOR TIP RUN? COLLAPSED.</i>	-	-	-	-	-	-	-	-

## BIBLIOGRAPHIC REFERENCES

ANCASTER MSS PASSIM MS COLLECTION LINCS. R.O

RICHARDS A J, 1991 [MONOGRAPH] *A GAZETEER OF THE WELSH SLATE INDUSTRY*, P 77





Diversity 1 Archive Val. 2 Archaeol. Record 1 Amenity Val. 1 Visual Amenity 1

*Hafodlas is a site of international importance. Of all the Gwynedd quarries, it best illustrates the way in which the slate industry began to move into slab production and borrowed much of the technology of the Scottish stone industry to do so. The mills survive in good condition, and bases for Hunter, Greaves, diamond and sand-saws have been exposed by recent archaeological work. The site also contains the best examples of a sheave incline and of a magazine.*

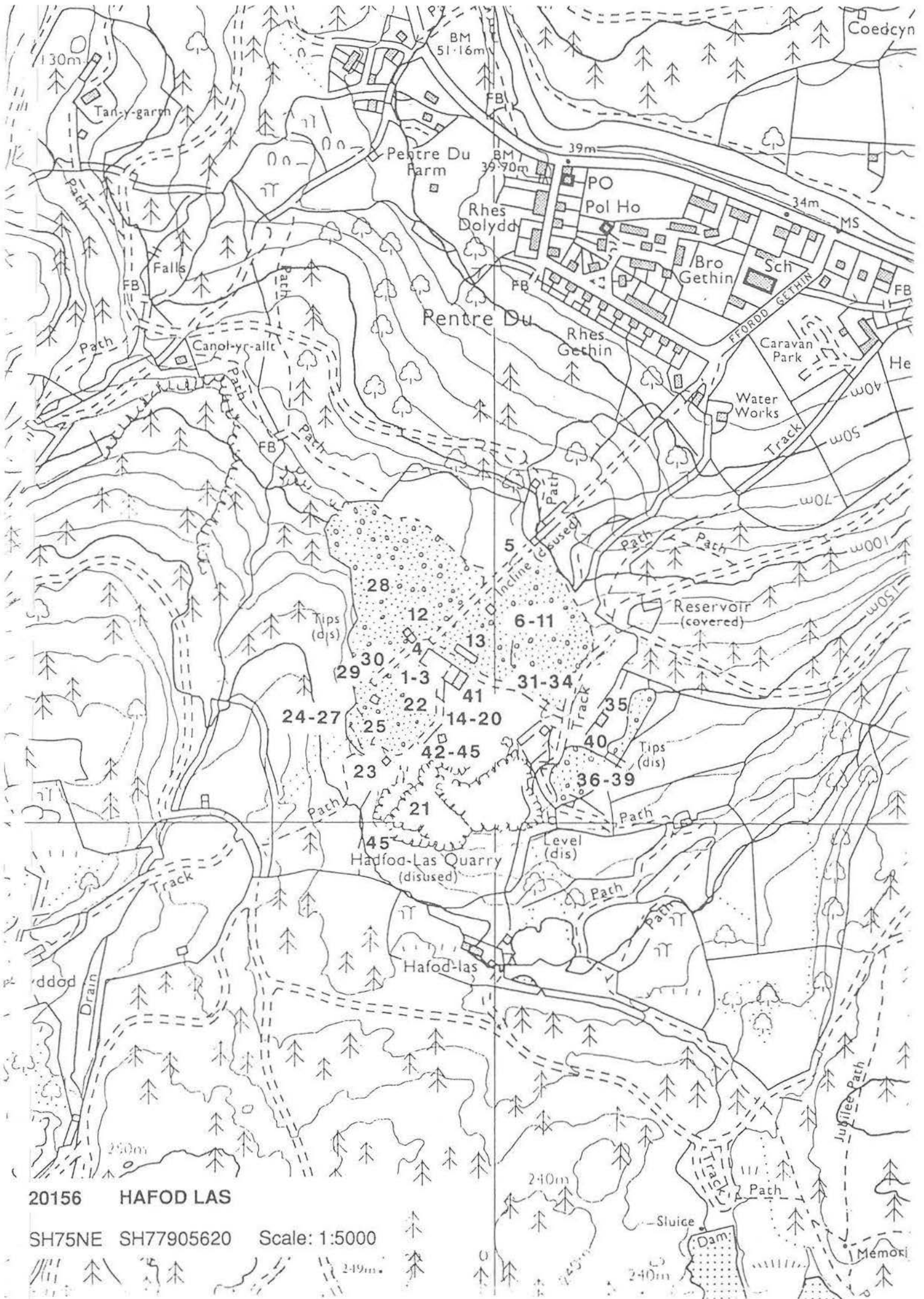
## LIST OF QUARRY FEATURES

	S	C	F	V	P	R	PO	GV
1 MILL BAY "1863" CARVED ON WALL; GREAT VARIETY OF MACHINERY BASES EXPOSED BY FFORWM PLAS TAN Y BWLCH 1994-5.	1	1	1	1	-	Y	-	Y
2 WATERWHEEL PIT INFILLED. WOODEN STRUCTURE EVIDENT, PROBABLY SUPPORT FOR ELECTRIC MOTOR. PIT POSSIBLY DESIGNED FOR OVERSHOT WHEEL.	1	1	1	1	-	-	-	Y
3 MILL TRANSVERSE IRON GIRDERS SURVIVE. MACHINE BASES. UNDERFLOOR DRIVE SHAFT. HUNTER SAW BASES EXPOSED.	1	1	1	1	-	Y	-	Y
4 INCLINE DRUMHOUSE THROUGH DRUMHOUSE. PART OF MECHANISM SURVIVES.	1	1	1	1	-	-	-	Y
5 INCLINE COUNTERBALANCE & UPHAULAGE COUNTERBALANCE, BUT WITH UPHAULAGE FACILITY FROM (7).	1	1	1	1	-	-	-	Y
6 RETAINING WALL	1	1	1	1	-	-	-	Y
7 RAILWAY EQUIPMENT WAGON REMAINS HERE, INCLUDING PARTS OF AN "AMERICAN DEVIL" TYPE WAGON.	1	3	1	1	-	-	-	Y
8 STRUCTURE FUNCTION ALTERED (WINDOWS BLOCKED) -- POSSIBLE SMITHY.	1	1	1	1	-	-	-	Y
9 WEIGHBRIDGE HOUSE MACHINERY IN SITU.	1	1	1	1	-	-	-	Y
10 ADIT	1	1	1	1	-	-	-	Y
11 RETAINING WALL	1	1	1	1	-	-	-	Y
12 SMITHY	1	1	1	1	-	-	-	Y
13 STRUCTURE GREAVES SAW BLADES EXPOSED BY RECENT ARCHAEOLOGY. POSSIBLY ALSO SITE OF ENAMELLING KILNS.	3	3	1	2	-	-	-	Y
14 MILL BAY MILL POSSIBLY NEVER ROOFED. BASES FOR SAND SAWS AND DRIVE SHAFTS EXPOSED.	1	1	1	1	-	Y	-	Y
15 WATERWHEEL PIT BACKSHOT WHEEL?	1	1	1	1	-	-	-	Y
16 INCLINE COUNTERBALANCE BLOCKS OF STONEWORK INSIDE (3) ACT AS A BUFFER IN THE EVENT OF RUNAWAYS.	1	1	1	1	-	-	-	Y
17 INCLINE SHEAVE BRAKE SYSTEM INTACT.	1	1	2	2	-	-	-	Y
18 WEIGHBRIDGE HOUSE	1	1	1	1	-	-	-	Y
19 GWALIAU?	1	1	1	1	-	-	-	Y
20 QUARRY FACE	1	2	1	1	-	-	-	Y
21 QUARRY FACE	1	2	1	1	-	-	-	Y
22 WATER CHANNEL	1	1	1	1	-	-	-	Y
23 MAGAZINE Excellent example. Intact apart from internal fittings.	1	1	1	1	-	-	-	Y
24 WALL TO CONTAIN EXPLOSION.	2	1	1	1	-	-	-	Y
25 SHELTER	1	1	1	1	-	-	-	Y
26 WEIGHBRIDGE HOUSE	1	1	1	1	-	-	-	Y
27 INCLINE DRUMHOUSE THROUGH DRUMHOUSE. SOME SURVIVING TIMBERWORK.	1	1	1	1	-	-	-	Y
28 TIPS OVERGROWN.	1	2	1	1	-	-	-	Y

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29	INCLINE COUNTERBALANCE		1	1	1	1	-	-	-	Y
30	BRIDGE		1	1	1	1	-	-	-	Y
31	ADIT		1	1	3	2	-	-	-	Y
	UNDER TIP.									
32	LAUNDER SYSTEM		2	2	1	1	-	-	-	Y
	PILLARS.									
33	WEIGHBRIDGE HOUSE		2	1	1	1	-	-	-	Y
34	WATER STORAGE		1	1	1	1	-	-	-	Y
	SMALL PIT.									
35	OBLITERATED		3	3	3	3	-	-	-	Y
	ONE STONE GABLE-END SURVIVES UP TO 4'.									
36	OBLITERATED		3	3	3	3	-	-	-	Y
37	BRIDGE		2	3	1	1	-	-	-	Y
	ABUTMENTS ONLY SURVIVE.									
38	ADIT		3	3	3	1	-	-	-	Y
	COLLAPSED.									
39	TIPS		2	2	1	1	-	-	-	Y
40	DWELLING		1	1	1	1	-	-	-	Y
	MANY FIREPLACES AND WINDOWS. SAID TO BE MANAGER'S HOUSE. POSSIBLE LATER RE-USE.									
41	MILL LINE-SHAFTING AREA		1	1	1	1	-	Y	-	Y
	EXPOSED BY RECENT ARCHAEOLOGY.									
42	INCLINE COUNTERBALANCE		2	3	1	1	-	-	-	Y
43	INCLINE SHEAVE		2	3	1	1	-	-	-	Y
	SITE ONLY.									
44	ADIT		1	1	1	1	-	-	-	Y
45	CRANE		3	2	2	1	-	-	-	Y
	DERRICK TYPE.									

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*The mill at this tiny site is much the best survival of a type of mill commonly erected in the 1860s for slab production, the radial type. The mill also illustrates the unwise readiness of speculators in the 1860s boom to invest in technology before the rock had been proven.*

## LIST OF QUARRY FEATURES

		S	C	F	V	P	R	PO	GV
1	ROAD	1	1	1	1	-	-	-	-
2	MILL RADIAL EXCELLENT EXAMPLE OF 1860s RADIAL MILL. NO MACHINERY BUT ROOF TRUSSES INDICATE PRESENCE OF CLAW BRACKETS AND AXLE BOX SITES EVIDENT. SOUTHERN HALF CONVERTED INTO A DWELLING. THE LEAN-TO ON THE E. SIDE MAY HAVE HOUSED A STEAM ENGINE. OR THE MILL MAY HAVE BEEN POWERED BY A PORTABLE ENGINE.	1	1	1	2	-	Y	-	-
3	STRUCTURE	3	3	3	2	-	-	-	-
4	TIPS	1	1	1	1	-	-	-	-
5	QUARRY FACE	1	2	1	1	-	-	-	-

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## LIST OF QUARRY FEATURES

	S	C	F	V	P	R	PO	GV
1 QUARRY FACE	1	2	1	1	-	-	-	-

SERIES OF ILL-DEFINED LEVELS WORKING NANTGLYN  
 FLAGS IN DENBIGH GRIT SERIES. WATER-COURSE RUNS  
 THROUGH MIDDLE.

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## LIST OF QUARRY FEATURES

	S	C	F	V	P	R	PO	GV
1 QUARRY FACE	1	2	1	1	-	-	-	-
WORKED NANTGLYN FLAGS IN DENBIGH GRIT SERIES.								
2 TIPS	1	2	1	1	-	-	-	-

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Diversity 3 Archive Val. 3 Archaeol. Record 3 Amenity Val. 3 Visual Amenity 3

## LIST OF QUARRY FEATURES

	S	C	F	V	P	R	PO	GV
1 QUARRY FACE	1	2	1	1	-	-	-	-
2 TIPS	1	2	1	1	-	-	-	-

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