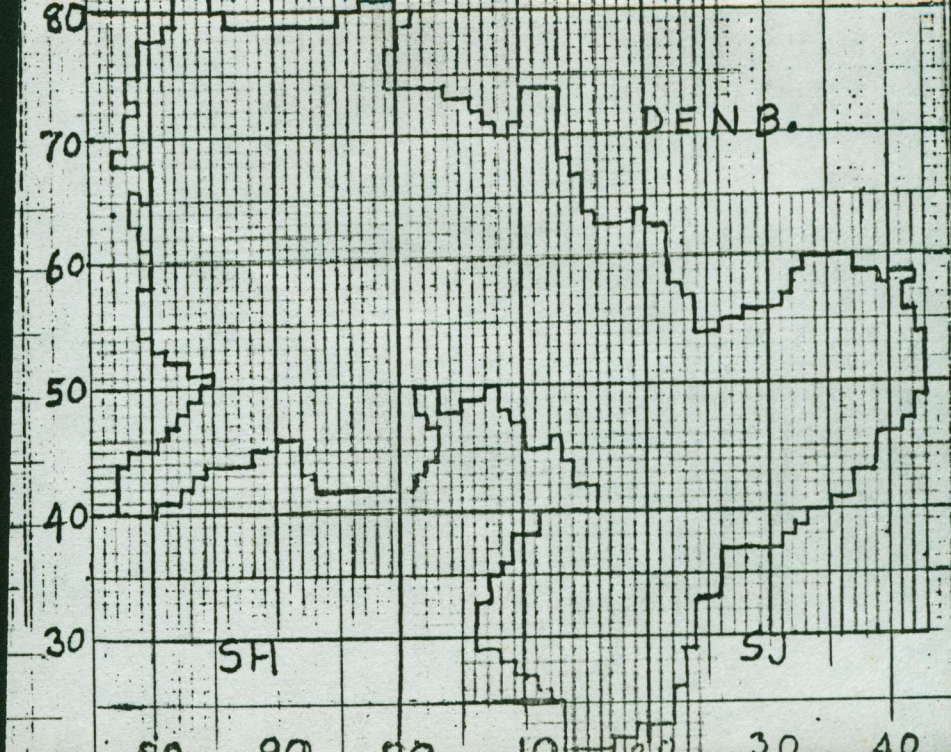
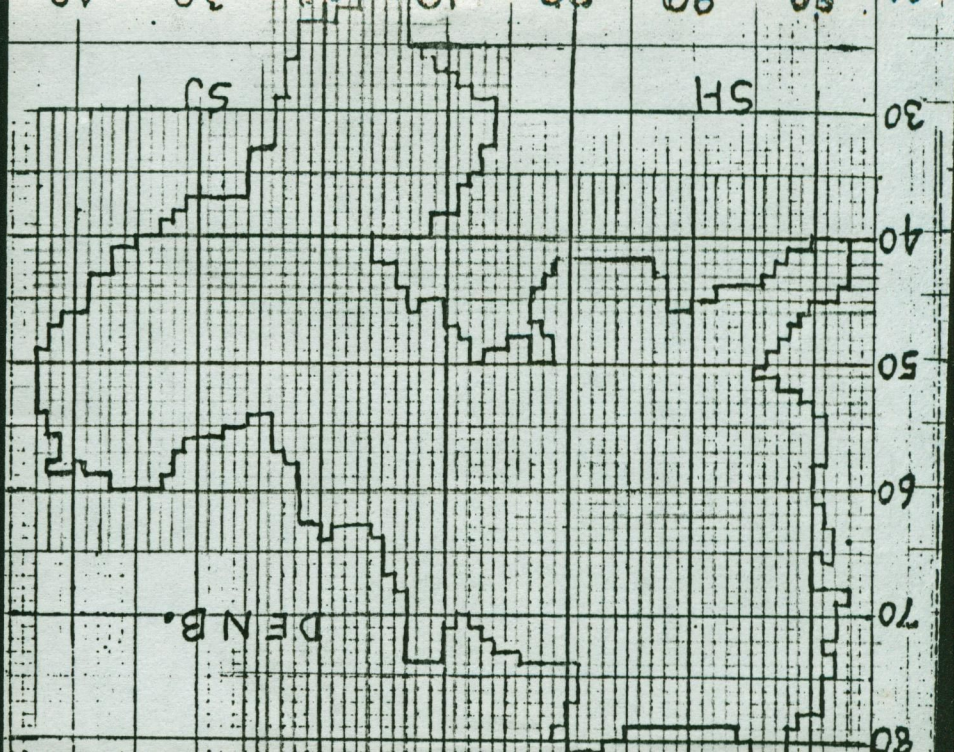


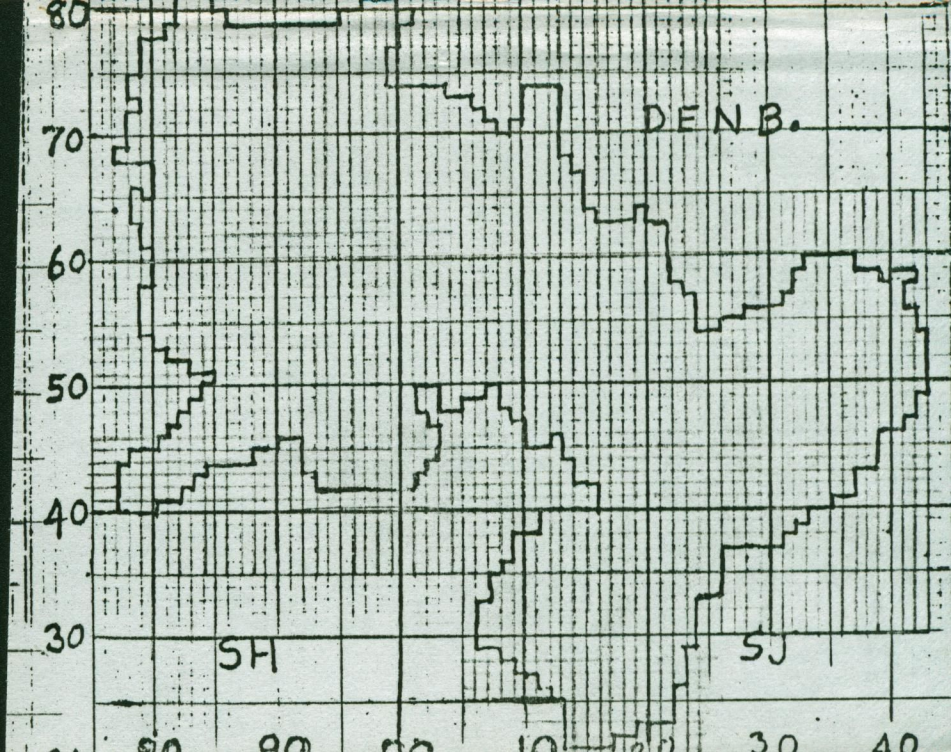
DENBIGH

- JR Foster-Smith (1972) "The Non-ferrous mines of Denbighshire" Nor. Cav. Mine Res Soc. Occas. Pub. 5
- WJ Lewis (1967) "Lead mining in Wales".
- FJ North (1962) "Mining for metals in Wales" ^{Nat Mus Wales, Cardiff}
- TM Thomas (1961) "The mineral wealth of Wales & its Exploit'n" Oliver & Boyd.
- Bull 14 = J.R. Earp, Bull. G.S. G.B. 14 (1958) 44-69
"Min'l Veins of the Minera-Maeshafn District of North Wales"
- Mem G.S. (1885) A. Strahan "The Geology of the Coast

adjoining Rhyl, Abergelle & Colwyn".



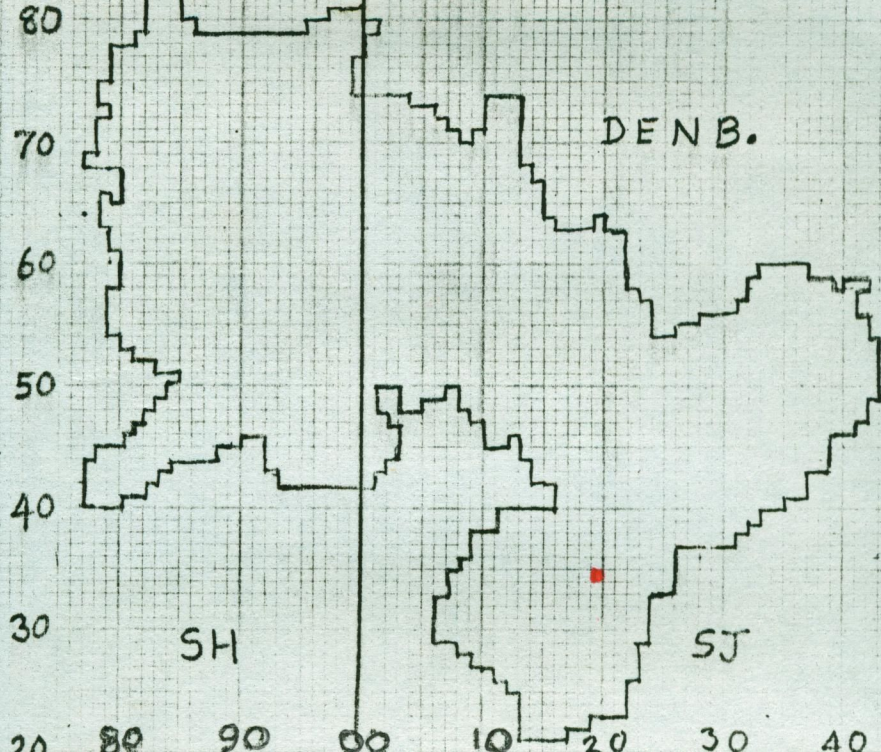




Albrite

Darb

Hendrie Q ST 1934



Allophane,

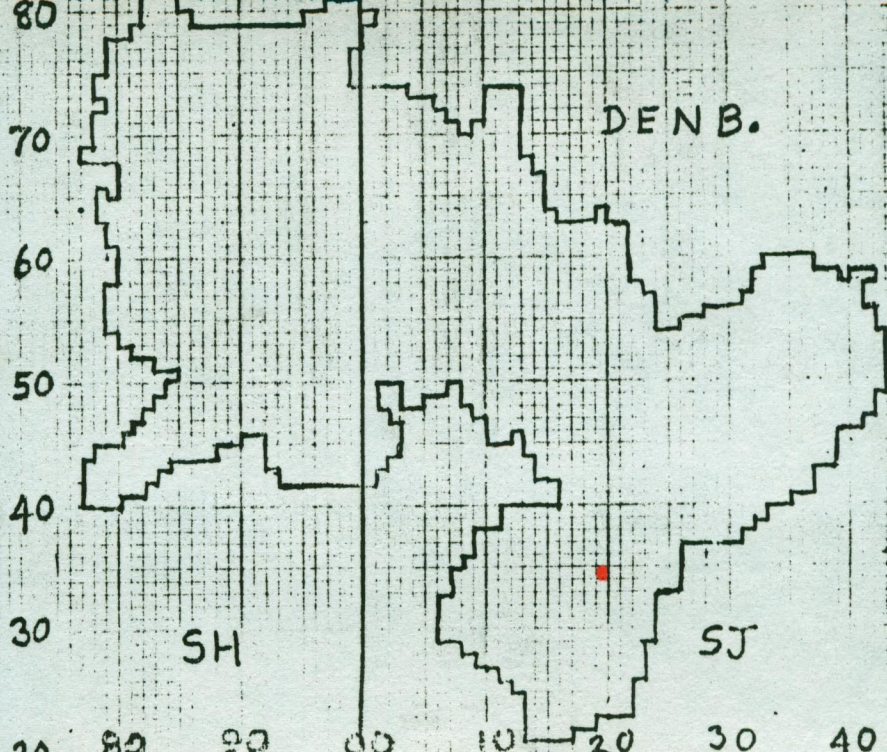
Denb

Bwlch-gwyn M ("SO₄-allophane")

Anatase

Denb

Hendre ① SJ 1934



Anglasite

Denb

Nant-y-Ffrith Valley (?) SJ 2654(?)

Biolch-gwyn M ^{↑ yes} 2552

Minera mines (?) Cent on 2651

Apatite

Dents

Hendrie Q SJ 1934

APOPHYLLITE

DENB

Hendre M.

SJ 1934

Hendre Q SJ 1934

80

70

60

50

40

30

DENB.

SH

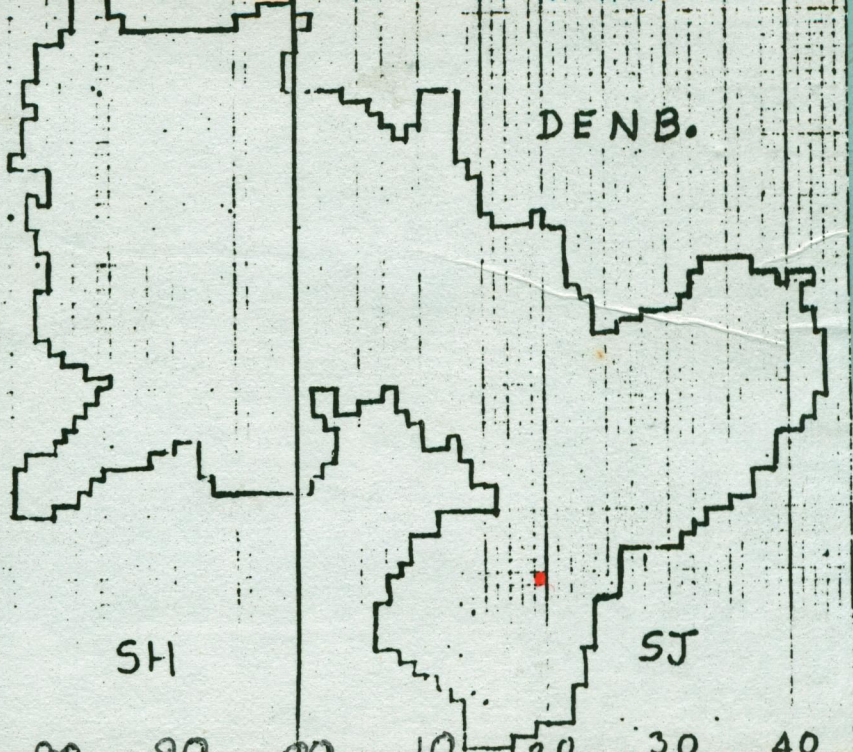
SJ

10

20

30

40



Aragonite

Dents

Hendse Q, SJ 1934

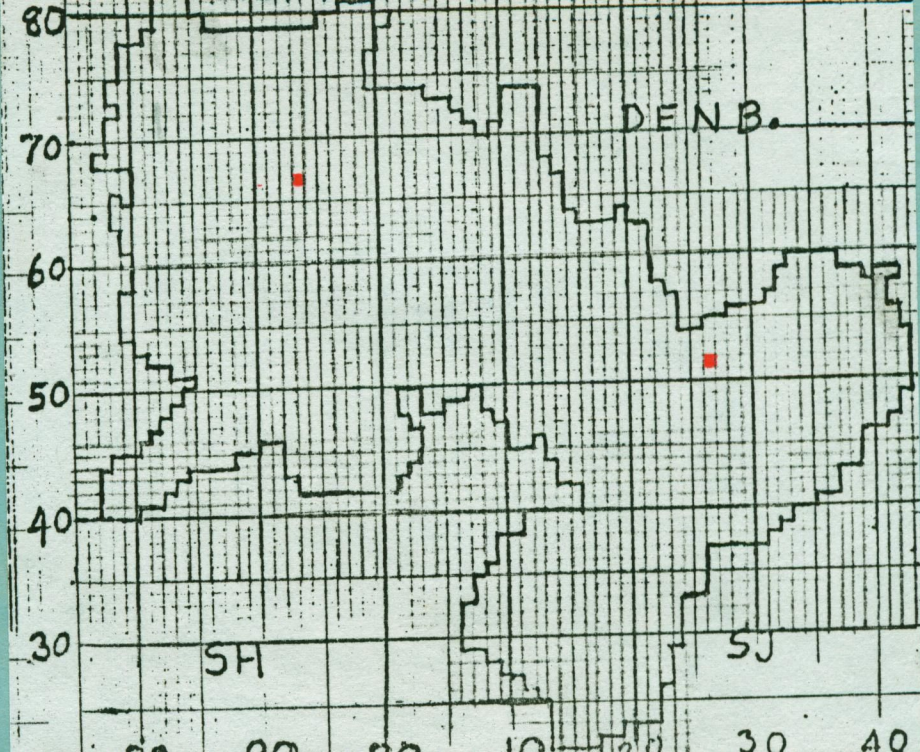
AURICHALCITE

DENB

Minera M¹ SJ 26 51

Nant-y-Plwm M. (?) SH9366

Minera Q



Azurite

Denb.

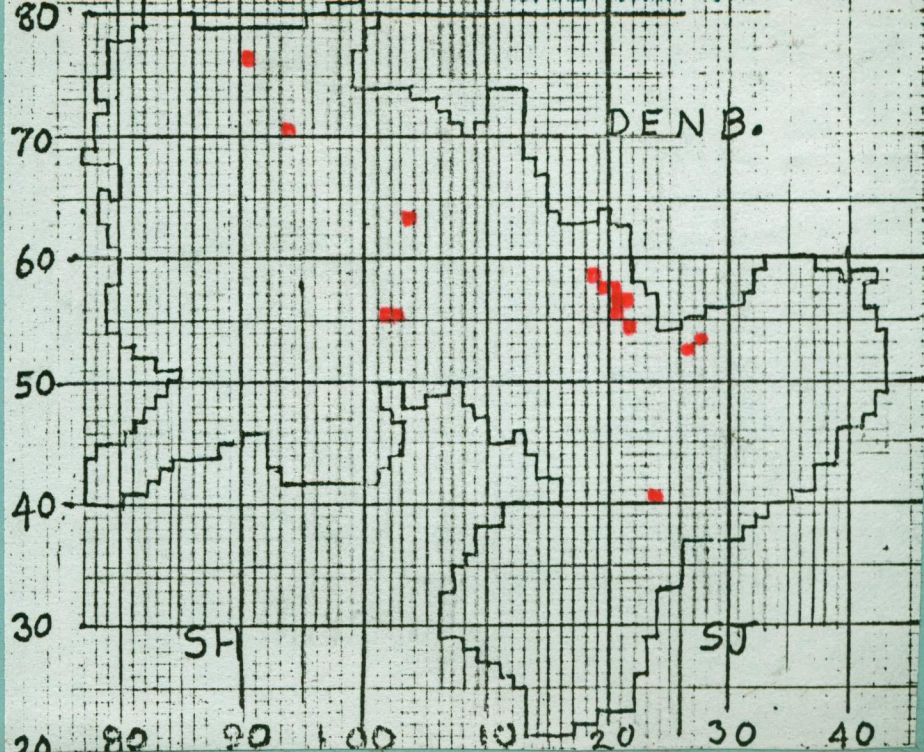
Bwlch-gwyn M

BARYTE

Eyarth M. SJ 1255
 Llangynhafal SJ 13 63
 Ty'n-y-Celyn SJ 23 40
 Coed Marchon SJ 11 55
 Creigiog M SJ 20 55
 Llanfair M SH 93 70
 Maes-y-pwll M SJ 21 54
 Tan-yr-ywen SH 90 76
 Wsminster lode 2 M SJ 1858 1957 2056 2057 2156
 Maes-y-pwll V SJ 2154
 Pant-y-gwlanod V SJ 1957
 2056 2057 2156

DENB

Bwlch-Gwyn 2552 2653
 Minera mines



Beudantite

Denb

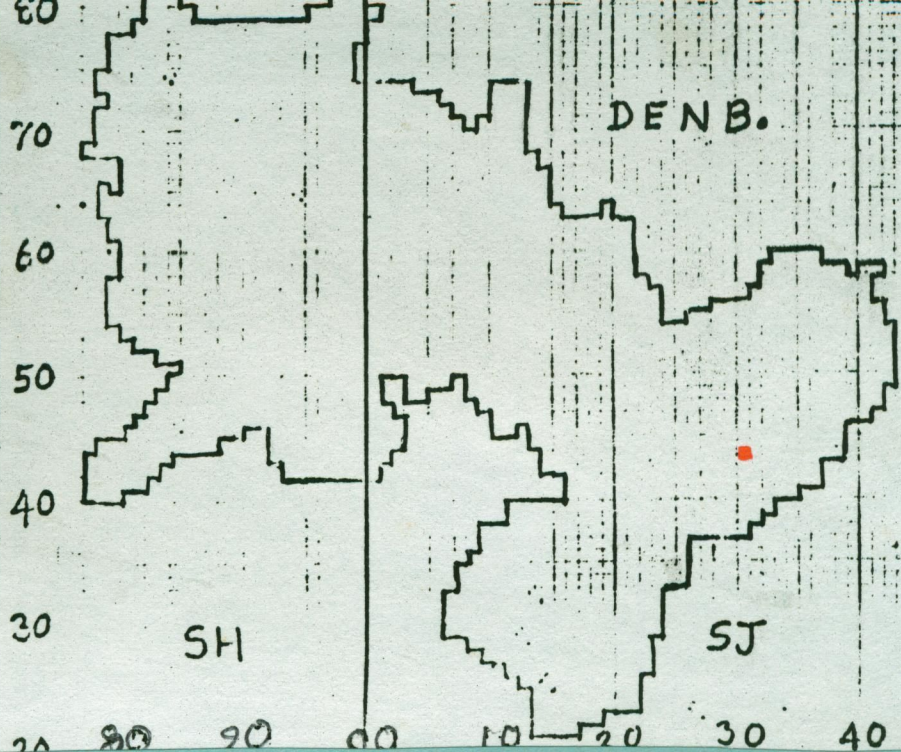
Minera mines (??)

BITUMINOUS MINERALS
HYDROCARBONS

DENB

Ruabon

SJ 3043



Brochantite

Denb

Minera mones (?) Cebron SJ 2654

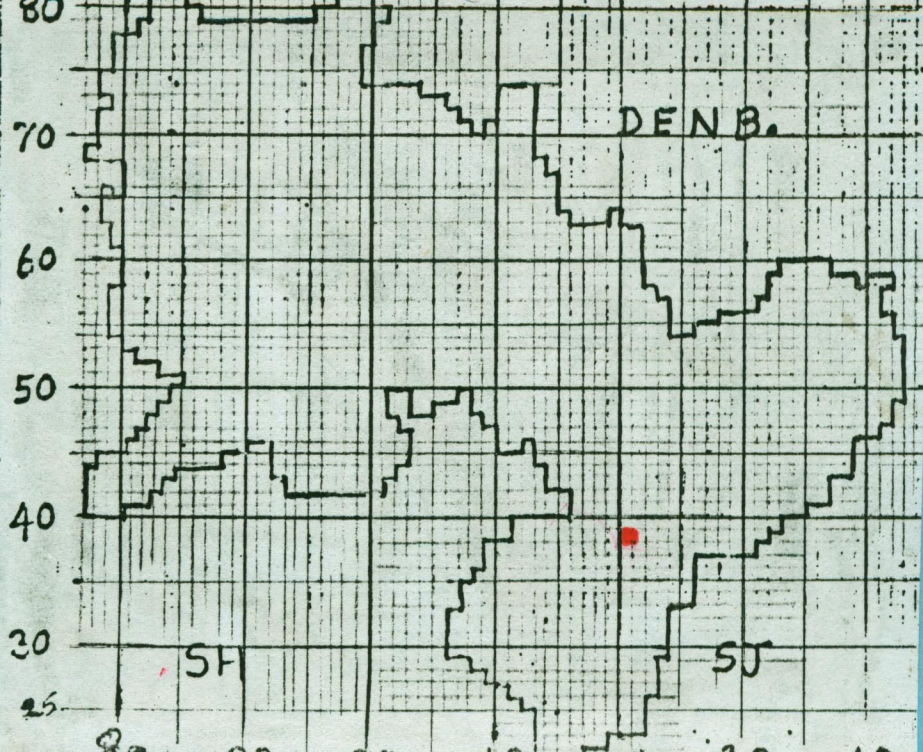
Bwlch-gwyn M SJ 2654

Brookite

Donb.

Glynceiriog Q ST 20 38

Hendre Q (?) ST 1934



CALCITE

DENB

Nant-y-Plwm M. SH 9366

(Parc M. Llanrwst Coern) (Error)

Minera ST 2550

Bryn-nant-lech M ^{SH} 9368

Pant-dû V ST 1860-2158
1959 1960 2059 2158 2159

Hendre Q ST 1934

Cilcenus M SH 8158

Belgrave M ST 1958-2058

Bron-henlog M SH 9371

Bryn-y-gloch M ST 1951

Gefn-yr-Ogof ^{2V} SH 9177-9271

Coed Cynric M ST 2061

Coed-y-fedw ST 1961

Craig-y-brynian V ¹⁹⁵⁸ ST 2058

Creigiog M ST 2055

Dyfryn Aled M SH 9566-67

Ffordd-las-bach SH 9576

Ffoss-y-blaiddiaid SH 9377

Goodwin M ST 2059

Hafod-dafalog ST 2151

Kinmel SH 9774

Llanfair M SH 9370

Lower Park M ST 2551

Maes-y-pioll M ST 2055

Park M's ST 2551-2650

Ca

Pool Park M SJ 25 50

Score M SH 99 73

S. Minera M SJ 25 50

Tan-y-graig SJ 18 56

Taylor's V SJ 20 59

Tyn-y-ddol M SH 9471-9571

Waen-Las M SJ 19 60

Westminster Lodge M.
1858 1957 2056 2057 2156

Rel-gymbyd SJ 2054

Maes-y-pwll V SJ 1956
2055 2154 2155

Geiglog V SJ 1956 2055 2056

Vein ganol SJ 2055 2155

Pant-y-gwlanod V SJ 1957
2056 2057 2156

Bog M SJ 2057 2156

Blaen-y-nant V SJ 1858 1958
2057 2058 2157

Belgrave V SJ 1959 2058 2158

Maes hafn V SJ 1861 1961 2060

Red V SJ 2552 2651 2652

Molin V SJ 2750 2751 2849? 2850

Meadow Sh SJ 27 50

Pool Park V SJ 2450 2459 2550

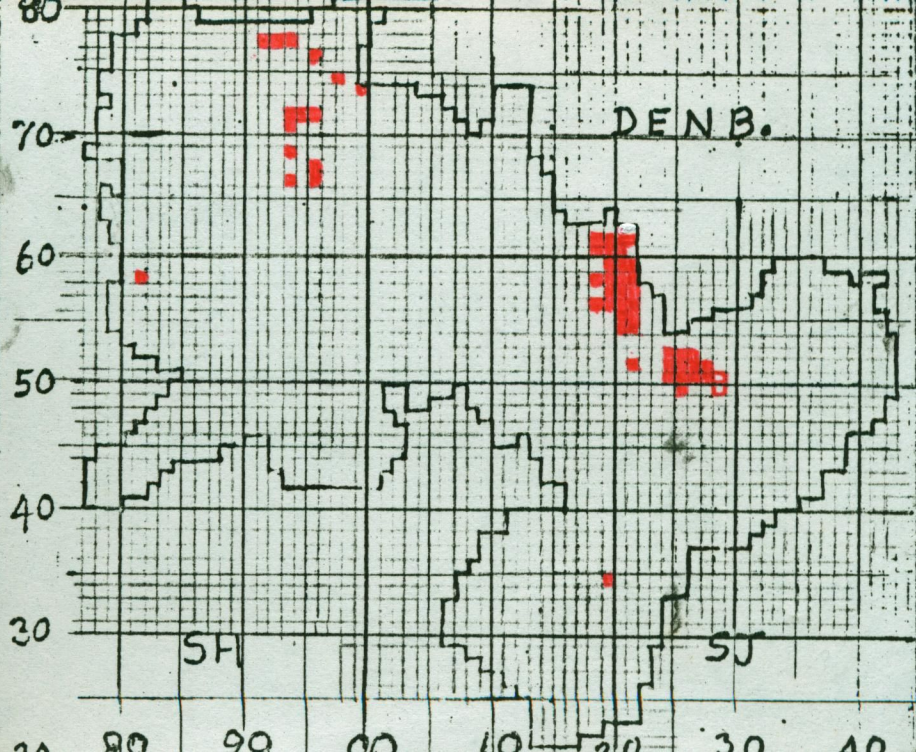
Park V SJ 2451 2550
2551 2650

Ragman V SJ 2452 2551 2552
2650 2651

White V SJ 2551 2552 2651

Minera Q 2551, 2552, 2651

Calcite



Caledonite

Denb

Minera M's (??)

Bwlch - gwyn M SJ 26 54

Carbonate-cyanotrichite

Denb.

Bwlch-gwyn M.

Censusite

Dents

Bron-heulog M SH 9371

Coed Cynrid M SJ 2061

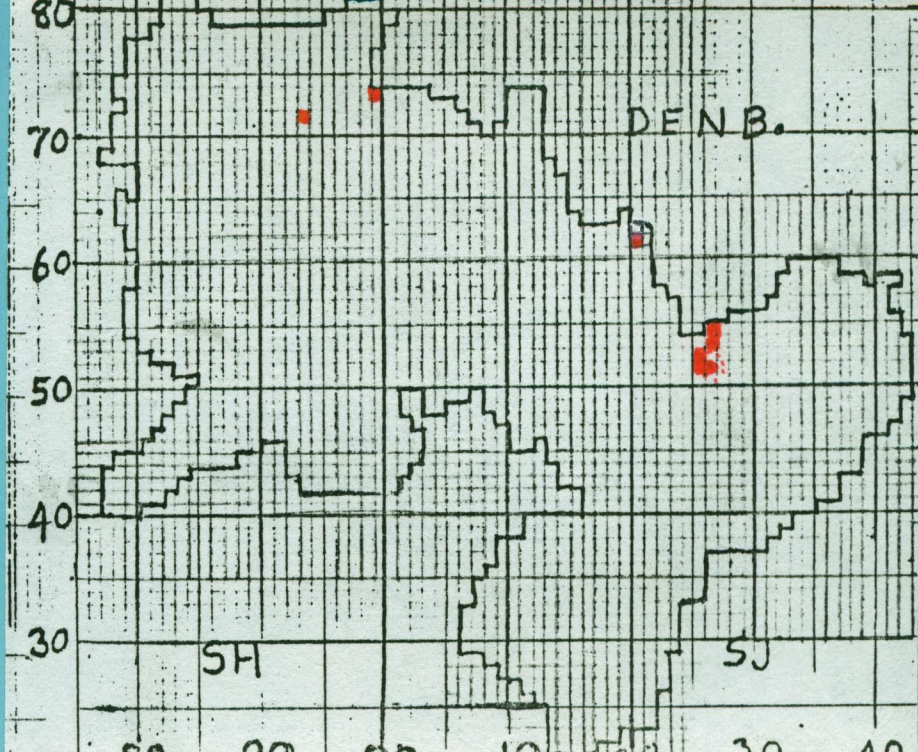
Score M SH 99 73

Minera Ms Centron SJ 2651

Minera Q'y 2551, 2552, 2651

Bwlch-Gwyn 25 52 2653

Nant-y-Ffrith Valley 2654(?)



chalcedony

Dent.

Hendre Q ["chrysoprase"?] (?) .55 19 34

SH 96

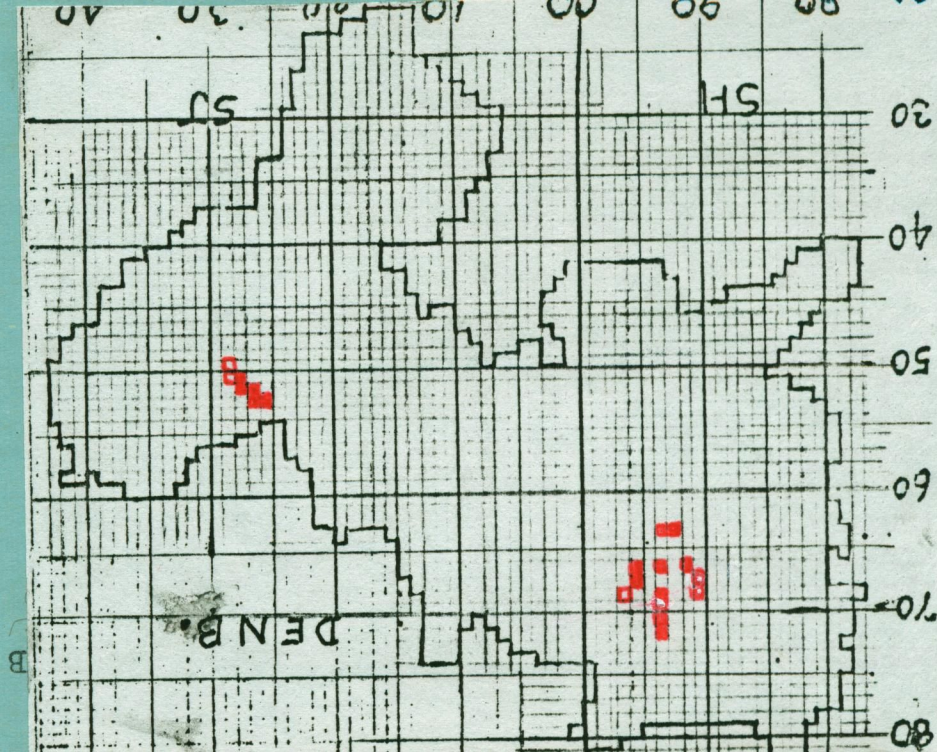
90667 Hafod-y-gog (?) (ore)
 90668 Moll Unben (?) (ore)
 91666 Cefn-y-groes Fawr (ore)
 92663 Gellfach (ore)
 93663 Riddell (ore)
 93666 Nant-y-Plwm M
 93668 Bryn-nant-llorch M
 93669 Pen-tre-du (?) (ore)
 95666-67 Dyfryn Aled M
 96668 Pen-gwern (?) (ore)
 97
 9370 Llanfair M; Pylau-gleision (?)
 9371 Bront henlog M

SH

SJ 24
 2849 Red V (?)

SJ 25
 2552 Red V
 2651
 2652
 2750
 2751
 2850
 ; Meadow Sh.
 (?)

Chalcopyrite, "copper ore"

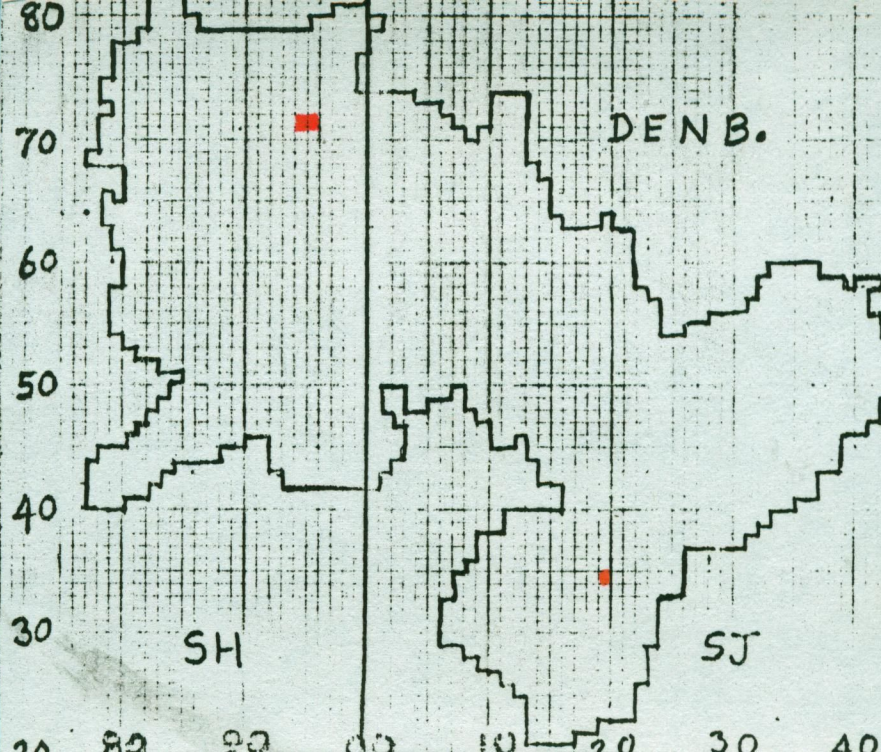


Chlorites

Dent

Ty'n-y-ddol M SH 94-95 71

Hendrie Q SJ 1934



Cinnabar

Denb

Minera mines (?)

Cobalt min's (unspec)

Donb.

Nant Uchaf (Traces Co in MnO_2)

Copper minerals, unspec.

Derb.

Nant-y-Ffrith Valley. "An as yet unident
blue/green mineral poss. a Cu/Zn sec'y"

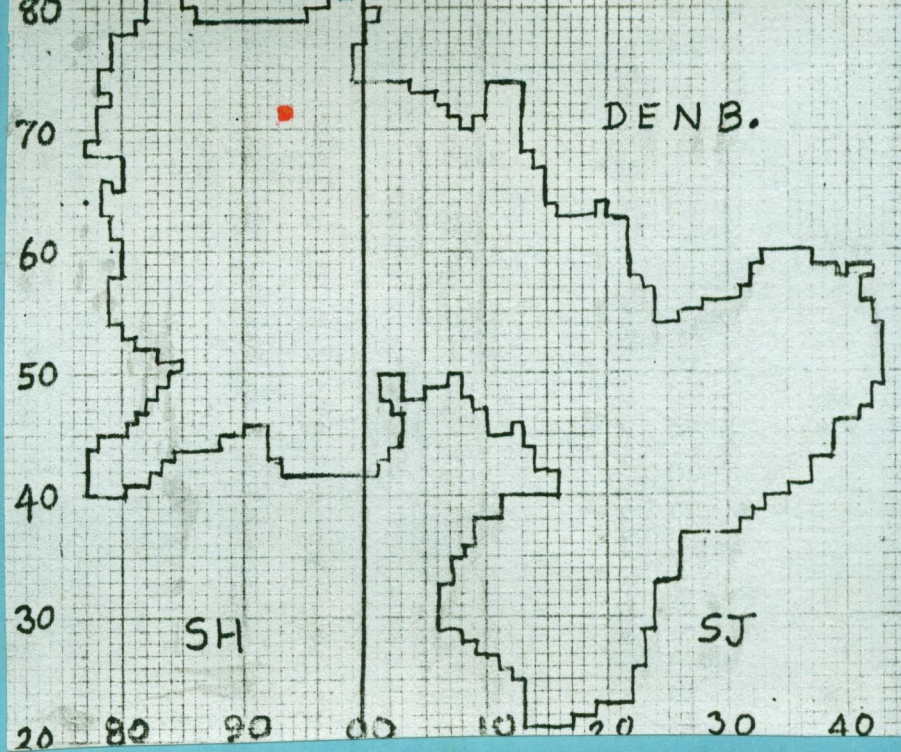
SJ 2654(?)

"Copper pitch"

Dent

Bron - henlog M SH 9371

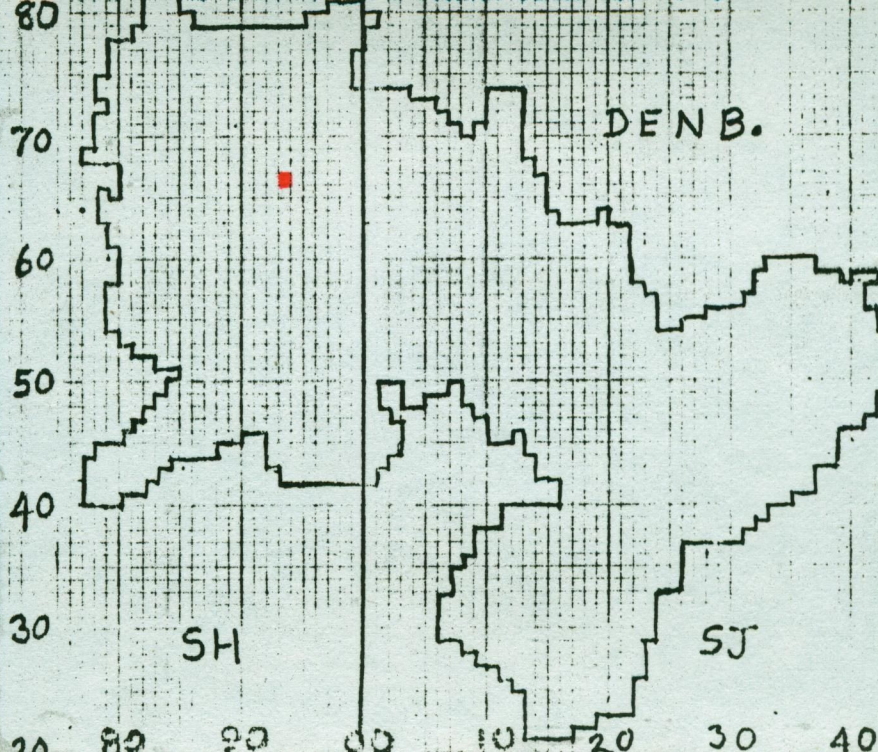
bryn - nant - llech M
SH 9368



Cuprite

Donb

Nant-y-Plwm M SH 9366



Cyanotrichite

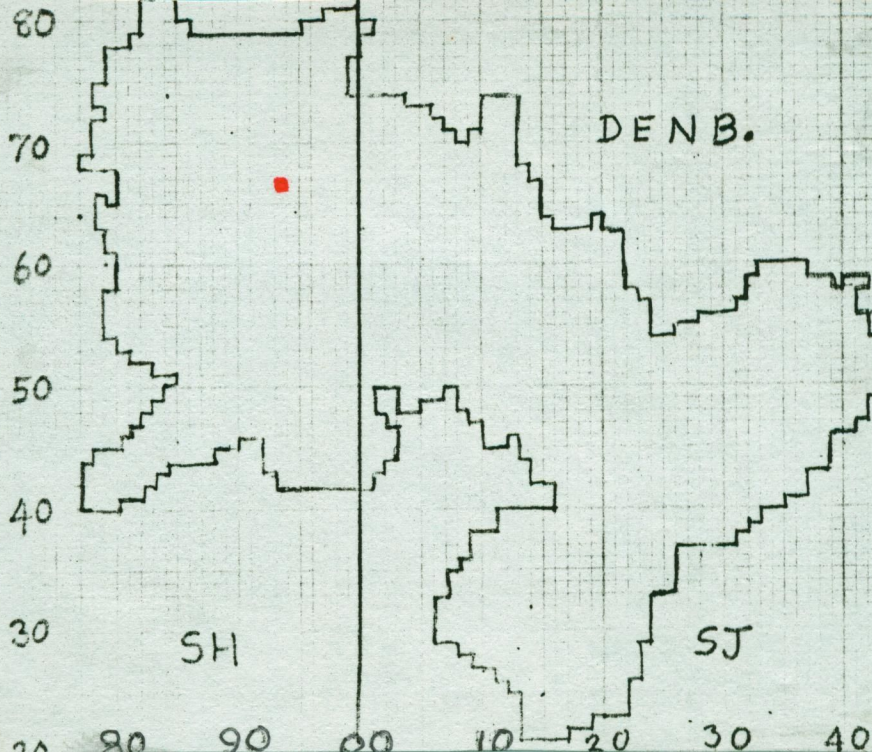
Denb

See also carbonate-cyanotrichite

DOLOMITE

DENB

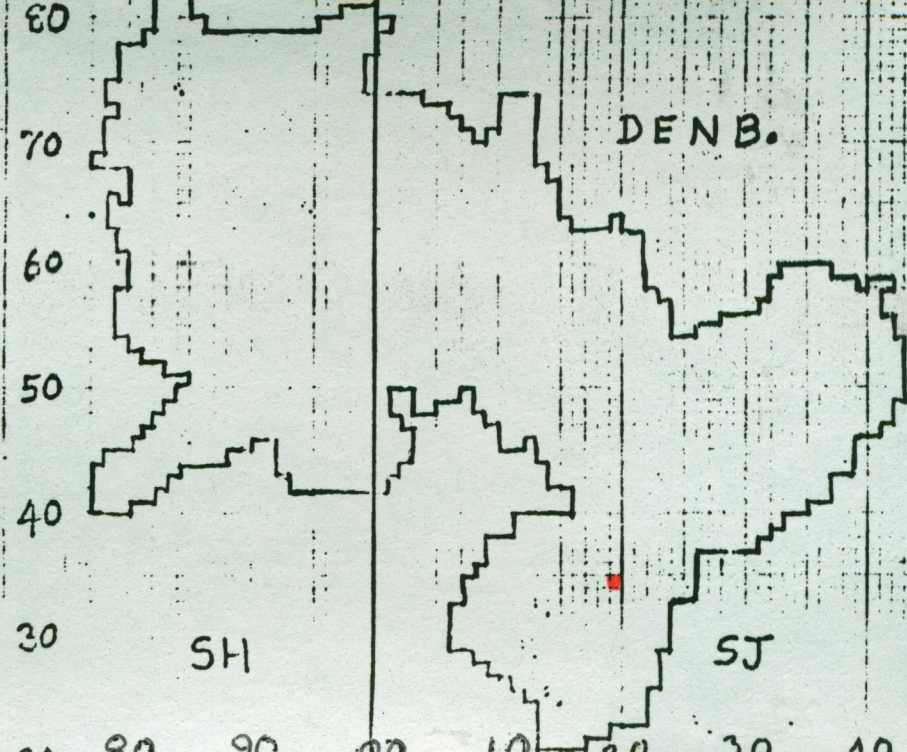
Nant-y-Plwm M. (~~?~~) SH9366



Epidote

Denb.

Hendrie Q SJ 1934



Erythrite

Denb.

Minera mines [?]

Ffionte

Denb.

Goodwin M SJ 2059

Pant-du V. SJ 1959 1860 1960 2059 2158 2159

Park M's SJ 2551 - 2650?

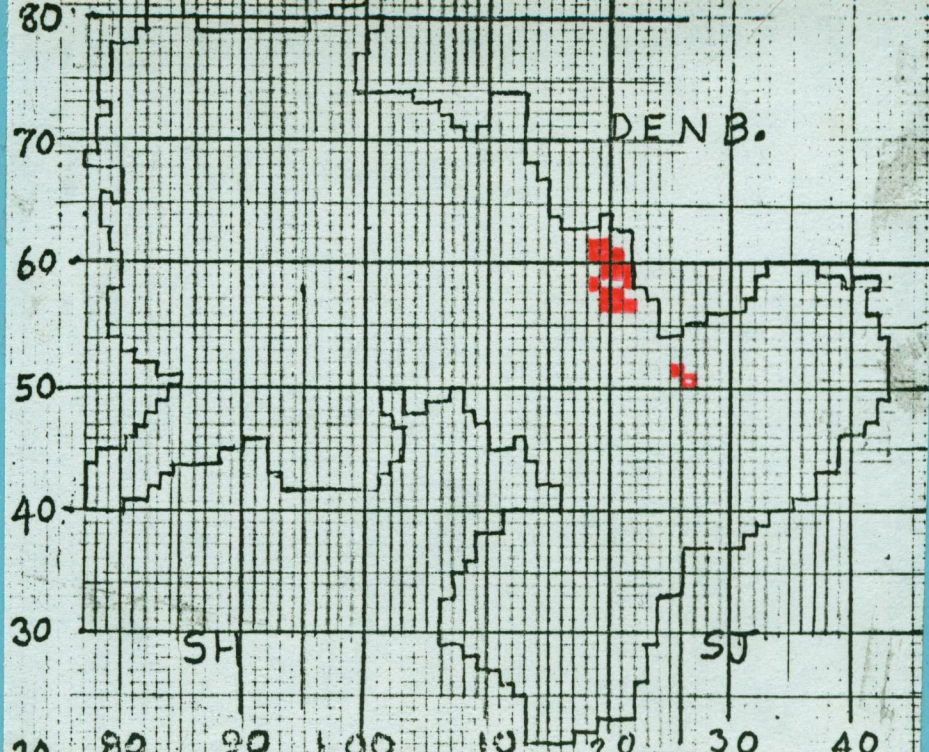
Tan-y-graig SJ 1956

Westminster lode & M SJ 1858 1957 2056 2057 2156

Maeshafn V SJ 1861 1961 2060

Pant-y-gwlanod V SJ 1957 2056 2057 2156

Park V (middle) SJ 2551



GALENA (I) (L) = "lead ore",

* = presumed.

DENB

Aberduna (L) SJ 2062

Alltgymbyd (I) SJ 2054

Bean V * SJ 2348

Belgrave M SJ 1958 2058

Belgrave V SJ 1959 2058 2158

Blaen-y-nant M SJ 1958

Blaen-y-nant V SJ 1858 1958

2057 2058 2157

Boð Idris M (L) SJ 2054

Bog Ms (L) SJ 2057 2156

Bog E M (L) SJ 2156

Boundary Sh * SJ 2651

Bron-heulog M SH 9371

Brymbo (L) 2654 2754 SJ

Bryn-nant-llech M SH 9368 9468

Bryn-y-gloch M SJ 1957

Brynyrorsedd M (L) SJ 1959

Bwlch-gwyn M (L) SJ 2552 2653

Cae'r Gwaith SH 9376

Cathole V SJ 1962 1963 2062

Cefn-y-gist Ms (L) SJ 2349

Cefn-y-groes Fawr (?) SH 9166

Cefn-yr-ogof SH 9177 9277

Central Minera M * SJ 2552

Chirk M (L) SJ

Cilcenus M SH 8158

Coed-celyn (L) SJ 0172

Coed Cynric M SJ 2061

Coed Cynric V SJ 2061 2161

Coed Nant-y-plwm (?) SH 9568

Coed-y-fedw SJ 1961

Craig-boeth V SJ 2452

Jalena I

Craig-y-bryniau V SJ 2058 1958	Hafod Hwntw SJ 2051
Craig-yr-wolf (L) SJ 2157	Hafod-y-gog (L) SH 9067
Creigiau Eglwyseg (?) SJ 2244	Kinmel SH 9774
Creigiog M SJ 2055	Limeworks trials (?) SJ 2552
Creigiog V SJ 1956 2055 2056	Llanarmon (L) SJ 1956
Cwm-mawr (?) SJ 2648	Llanarmon M (L) SJ 2156
Denbigh (L) SJ 0365 0466 0467	Llandegla SJ 1851
Dinorben (L) SH 9674	Llanfair M SH 9370
Dyfryn Aled M SH 9566 9567	Lower Park M SJ 2551
Eglwysegle * SJ 2347	Maeshafn M (L) SJ 1961 2061
Eglwysegle extension * SJ 2547	Maeshafn V SJ 1861 1961 2060
Eisteddfod M (L) SJ 2552	Maes Maelor (?) SJ 2353
Ffos-y-bleiddiaid SH 9377	Maes-y-plwm (?) SJ 0463
Goodwin M and V SJ 2059	Maes-y-pwll M (L) SJ 2055
Graianryd (?) SJ 2155	Maes-y-pwll V SJ 1956 2055 2154 2155
Graig, Llandegla SJ 2050	Main V SJ 2552 2651 2750 2751 2849?
Graig, Llanarmon SJ 2056	2850?
Gwter-siani * SJ 2449	Marian string SJ 2750 2751
Hafod-dafalog SJ 2151	Meadow Sh * SJ 2750

GALENA (II)

DENB

Melai (L) SH 9067	Pant-y-gwlanod V SJ 1957 2056 2057
Minera Ms Centred on SJ 2651	2156
Minera Union M * SJ 2552	Parc M, Llanarmon (L) SJ 1956
Moel Unben (?) SH 9068	Park Ms SJ 2551 2650
Mount Pleasant M (L) SJ 2255	Park V SJ 2451 2550 2551 2650
Nant Ms (L) SJ 2648?	Pengwern (?) SH 9668
Nant Minera (?) SJ 2850	Pen-llwyn (?) SJ 1167
Nant-y-cwm-mawr (?) SJ 2449	Pentrehoabin V SJ 2059
Nant-y-plwm M SH 9366	Pen-y-graig (?) SJ 1228
New Brighton * SJ 2750	Pen-y-parc (?) SJ 2155
New Minera Lead M (L) SJ 2750	Pilkington's V SJ 2062
New South V SJ 2550 2650	Plas Newydd (L) SH 9973
Pant-du crosscourse SJ 2059 2060	Pool Park M SJ 2550
Pant-du M * SJ 2059	Pool Park V SJ 2450 2549 2550
Pant-du V SJ 1959 1860 1960 2059	Pwll-helyg * SJ 1958
2158 2159	Pyllau-gleision (?) SH 9370
Pant-idda (?) SH 9275	Ragman M * SJ 2552
Pant-y-gwlanod M * SJ 2057	Ragman V SJ 2452 2551 2552 2650 2651

Red V SJ 2849? 2850? 2552 2651
2652 2750 2751

Reid's Sh * SJ 2651

Rhos-ddigre * SJ 1852

Rock V SJ 2452 2552

Roy's Sh * SJ 2751

Score M SH 9973

Shone's Sh * SJ 2059

South Minera M SJ 2550

Tan-y-graig SJ 1956

Tan-yr-ywen SH 9076

Taylor's Sh * SJ 2651

Taylor's V SJ 2059

Top Eisteddfod * SJ 2452

Twelve Apostles * SJ 2552

Tyddyn Morgan (L) SH 9376

Tyddyn-uchaf (?) SJ 0466 0467

Ty'n-y-celyn SJ 2340

Ty'n-y-ddol M SH 9471 9571

Tyn-y-graig V (L) Cent. on SJ 2056
Vein Ganol SJ 2055 2155

Waen-las M SJ 1960

Waenlas-bach V SJ 1960 2060

West Minera M * SJ 2552

Westminster M SJ 2057

Westminster V SJ 1858 1957 2056
2057 2156

White V SJ 2551 2552 2651

World's End (L) Cent. on SJ 2347

Wynnstay M * SJ 2449

Ysgeirallt (L) SH 9475

Nant-y-frith valley 2654

~~Bodelwyddan SH 9974 9975~~
~~(= FLIN T) SJ 0075, 0076~~

SH 85

8158 Cilcenus M

SH 96

9067 Hafod-y-gog, Melai.

9068 Moel Unben(?)

9166 Cefn-y-groes Fawr(?)

9366 Nant-y-plwm M

9368 Bryn-nant-llech M

9468 Bryn-nant-llech M

9566 Dyfryn Aled M

9567 Dyfryn Aled M

9568 Coed Nant-y-plwm(?)

9668 Pengwern(?)

SH 97

9076 Tan-yr-ywen

9177 Cefn-yr-ogof

9275 Pant-idda(?)

9277 Cefn-yr-ogof

9370 Llanfair M, Pyllau-gleision(?)

9371 Bron-heulog M

9376 Cae'r Gwaith, Tyddyn Morgan

9377 Ffos-y-bleiddiaid

9471 Ty'n-y-ddol M

9475 Ysgeirallt

9571 Ty'n-y-ddol M

9674 Dinorben

9774 Kinmel

9973 Plas Newydd, Score M

~~9974, 9975 Bodrefyddan (FLINTSH.)~~

SJ 06

0365 Denbigh(?)
0463 Maes-y-plwm(?)
0466 Denbigh, Tyddyn-uchaf(?)
0467 Denbigh, Tyddyn-uchaf(?)

SJ 07

0172 Coed-celyn

SJ 12

1228 Pen-y-graig(?)

SJ 15

1851 Llandegla
1852 Rhos-ddigre
1858 Blaen-y-nant V
~~1950 Blaen-y-nant V~~
1956 Creigiog V, Llanarmon, Maes-y-pwll V,
Parc M, Tan-y-graig
1957 Bryn-y-gloch M
1958 Belgrave M, Blaen-y-nant M, Pwll-helyg
1959 Brynnyrsedd M, Belgrave V

SJ 16

1167 Pen-llwyn(?)
1860 Pant-du V
1861 Maeshafn V
1960 Pant-du V, Waen-las M, Waenlasbach V
1961 Coed-y-fedw, Maeshafn M and V
1962 Cathole V
1963 Cathole V

SJ 24

2244 Creigiau Eglwyseg(?)
2340 Ty'n-y-celyn

- SJ 2347 Eglwyssegle, World's End
2348 Bean V
2349 Cefn-y-gist Ms
2449 Gwter-siani, Nant-y-cwm-mawr(?),
Wynstay M
2547 Eglwyssegle extension
2549 Pool Park V
2648 Cwm-mawr(?) Nant M(?)
~~2849~~ Mein VC? Red VC?
SJ 25
2050 Graig
2051 Hafod Hwntw
2054 Alltgybydd, Bod Idris M
2055 Creigiog M & V, Maes-y-pwll M & V,
Vein Ganol
2056 Tyn-y-graig V, Graig, Creigiog V
2057 Blaen-y-nant V, Bog Ms, Pant-y-
gwlanod M & V, Westminster M & V
2058 Belgrave M & V, Blaen-y-nant V,
Craig-y-bryniau V
2059 Goodwin M & V, Pant-du X-course, M
& V, Pentrehobin V, Shone's Sh,
Taylor's V.
2151 Hafod-dafalog
2154 Maes-y-pwll V
2155 Graianryd(?), Maes-y-pwll V, Pen-y-
parc(?), Vein Ganol
2156 Bog Ms, Bog E M, Llanarmon M
2157 Blaen-y-nant V, Craig-yr-wolf

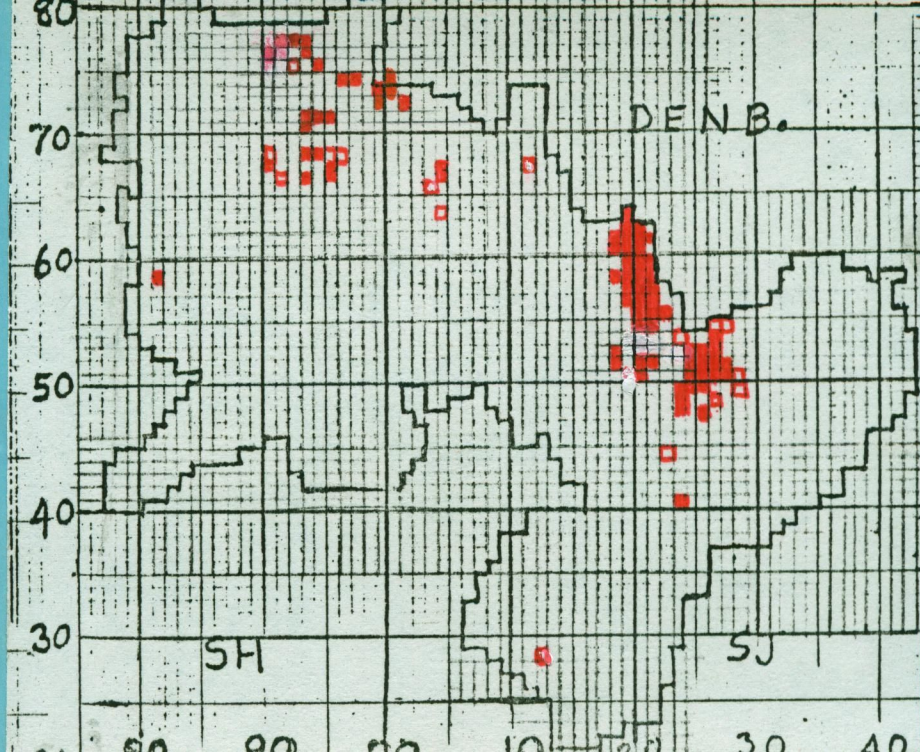
- SJ 2158 Belgrave V, Pant-du V.
 2159 Pant-du V
 2255 Mount Pleasant M
 2353 Maes Maelor(?)
 2450 Pool Park V
 2451 Park V
 2452 Top Eisteddfod, Craig-boeth V,
 Ragman V, Rock V
 2550 New South V, Park V, Pool Park V,
 South Minera M
 2551 Lower Park M, Park Ms, Ragman V,
 White V. *Minera Q*
 2552 Bwlch-gwyn M, Centr. Minera M, Eistedd
 fod M, Limeworks Tr, Main V, Minera
 Union M, Ragman M, Red V, Rock V,
 Ragman V, Twelve Apostles, W Minera M,
 White V *Minera Q*
 2650 New South V, Park V & Ms, Ragman V
 2651 Boundary Sh, Main V, Minera Ms, Rag-
 man V, Red V, Reid's Sh, Taylor's Sh,
 White V, *Minera Q*
 2652 Red V
 2653 Bwlch-gwyn M
 2654 Brymbo(?); *Nant-y-ffrith valley*
 2750 Main V, Marian Str, Meadow Sh, New
 Brighton, New Minera Pb M, Red V
 2751 Roy's Sh, Main V, Marian Str, Red V
 2754 Brymbo(?)
 2849 Main V(?), Red V(?)
 2850 Main V(?), Nant Minera(?), Red V(?)

SJ 26

2060 Maeshafn V, Pant-du X-course,
Waenlasbach V

2061 Aberduna, Coed Cynric M & V,
Maeshafn M

2062 Aberduna, Cathole V, Pilkington's V
2161 Coed Cynric V

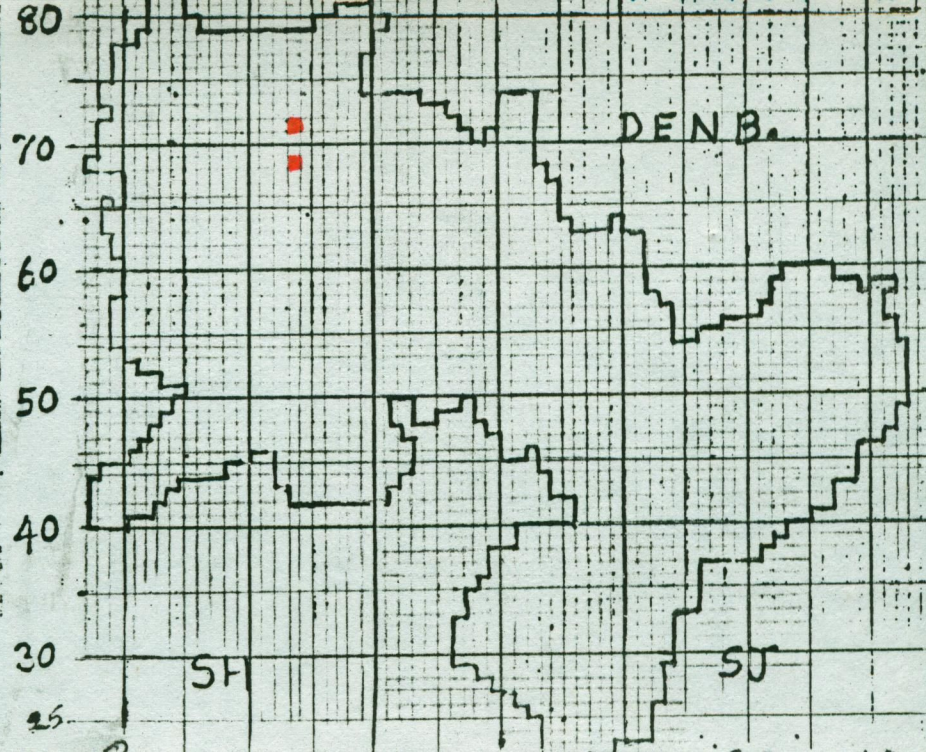


GOETHITE, "limonite" (L) Denb

Bryn-nant-lllech M(L)SH 93 68

Bron-henlog M(L)SH 93 71

Hendre Q SI 19 34



GOLD

DENB

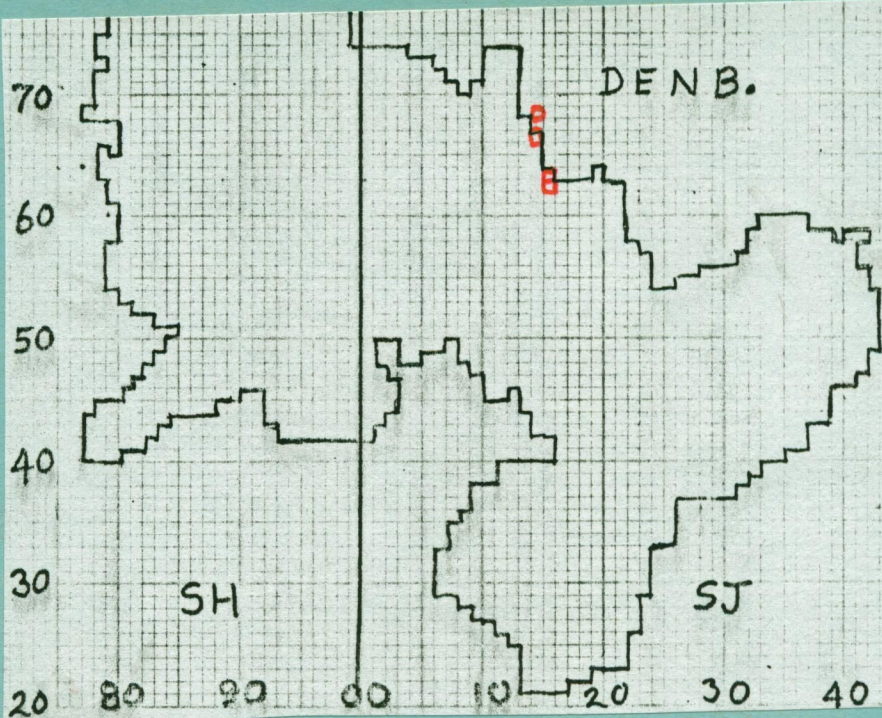
~~Frondyffryn~~ (2)

~~Llangynhafal~~ (2)

Moel Arthur (?) SJ 1466

Pen-y-mynydd (?) SJ 1466

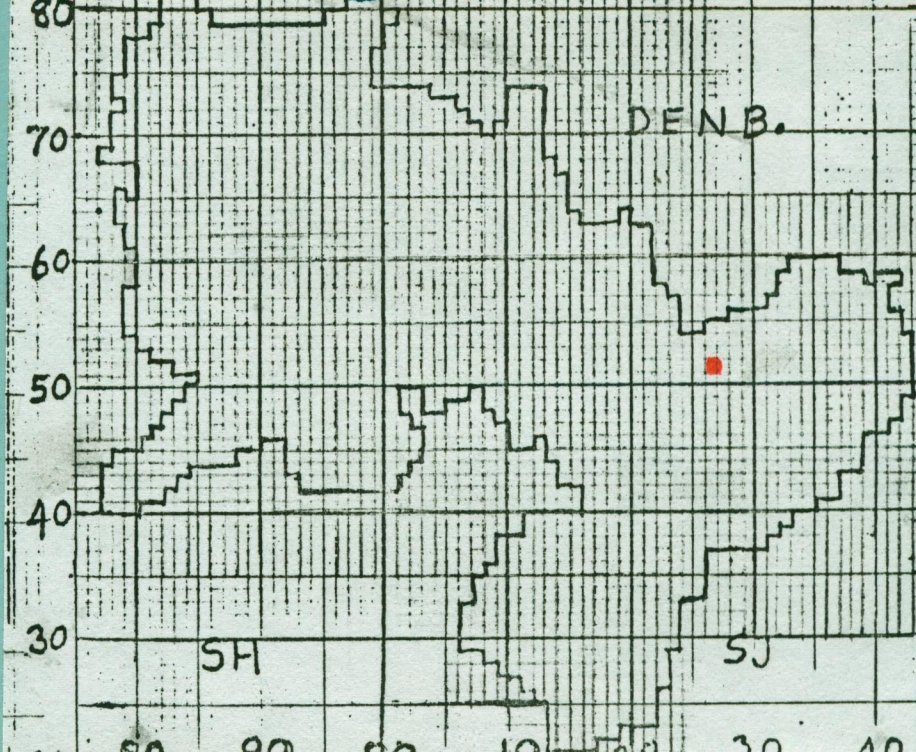
Llangynhafal (?) SJ 1464, 1563, 1564.



GREENOCKITE

DENB

Minera SJ 2651 (?) [Yellow powdery deposit on splalerite]



HAEMATITE

DENB

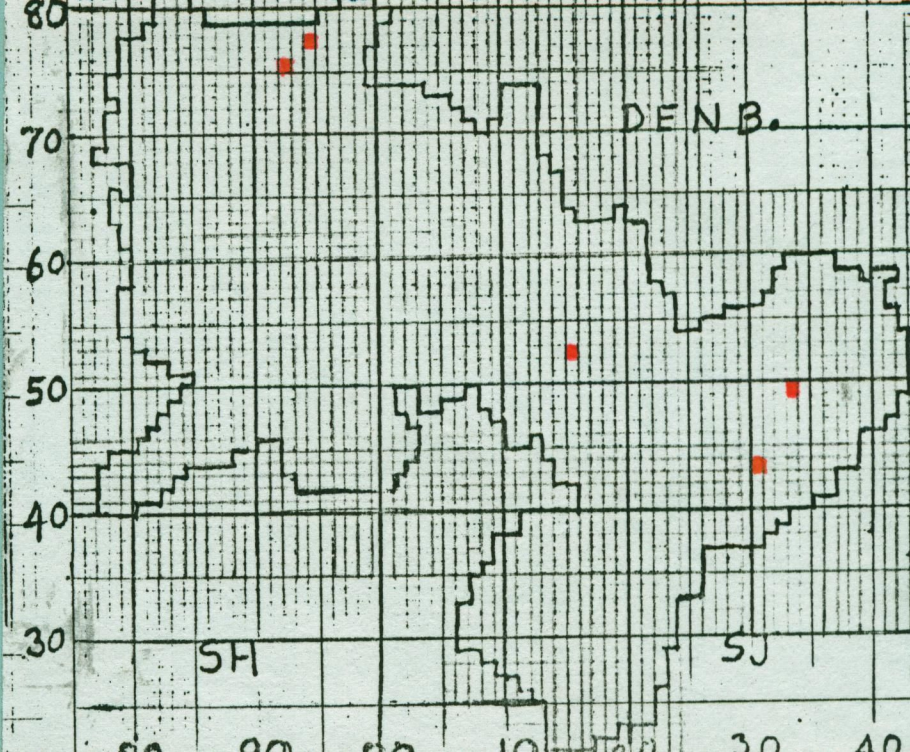
Ruabon SJ 30 43

Wrexham SJ 33 49

Nant Uchaf SH 92 75

Dingle SJ 1552

Abergele SH 94 77



Hemimorphite

Denb

Minera M's

"Iron One"

Dents

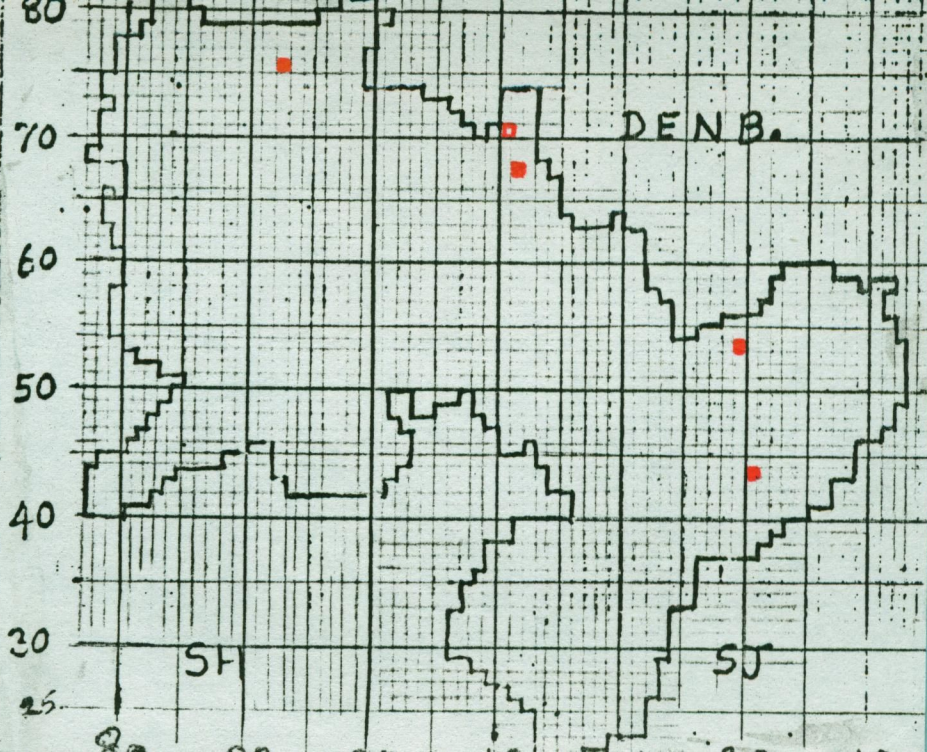
Pen-llwyn SJ 11 67

Ty'n-y-coed SH 92 75

Ty-Isaf (3). SJ 10 70

Quabon SJ 30 43

Brymbo SJ 29 53



Lead Sec'y mins (unspecified) Denb

Bwlch-gwyn 2552 2653

Llanau

Donb

Nant-y-Ffrith Valley (?) SJ 2654 (?)

Bwlch-gwyn M (?) 25 52 (?)

Minera mines

MALACHITE

DENB

Minera(~~11~~) SJ 2651

Bryn-nant-llech M SH 9368

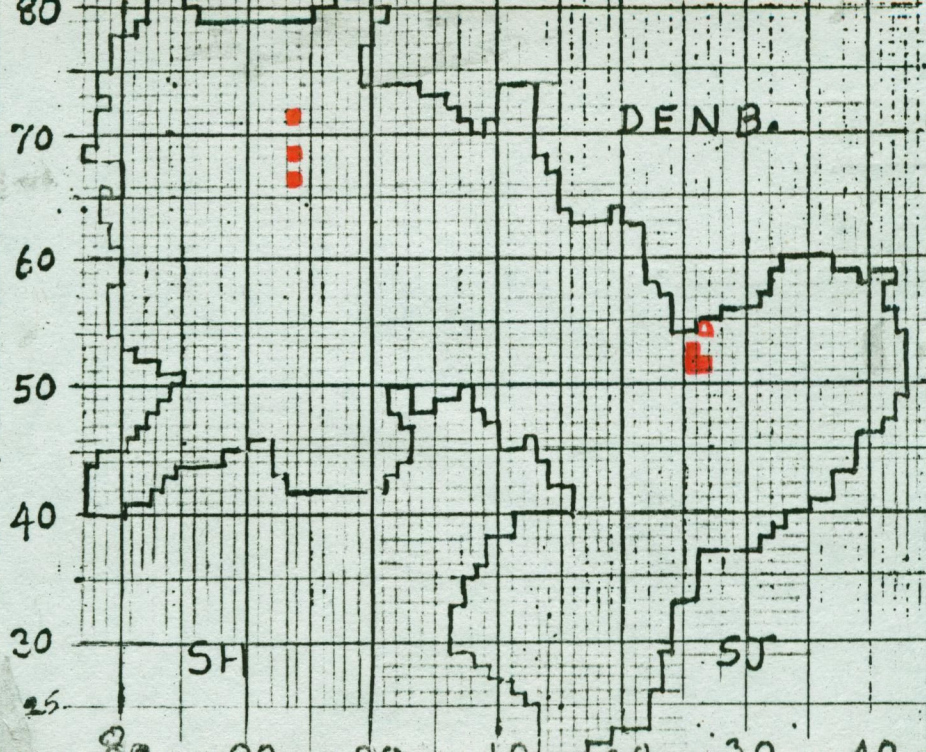
Bron - henlog M SH 9371

Nant-y-Plwm M SH 9366

White Vein, Minera SJ 2551 2552 2651

Minera Q SJ 2551, 2552, 2651,

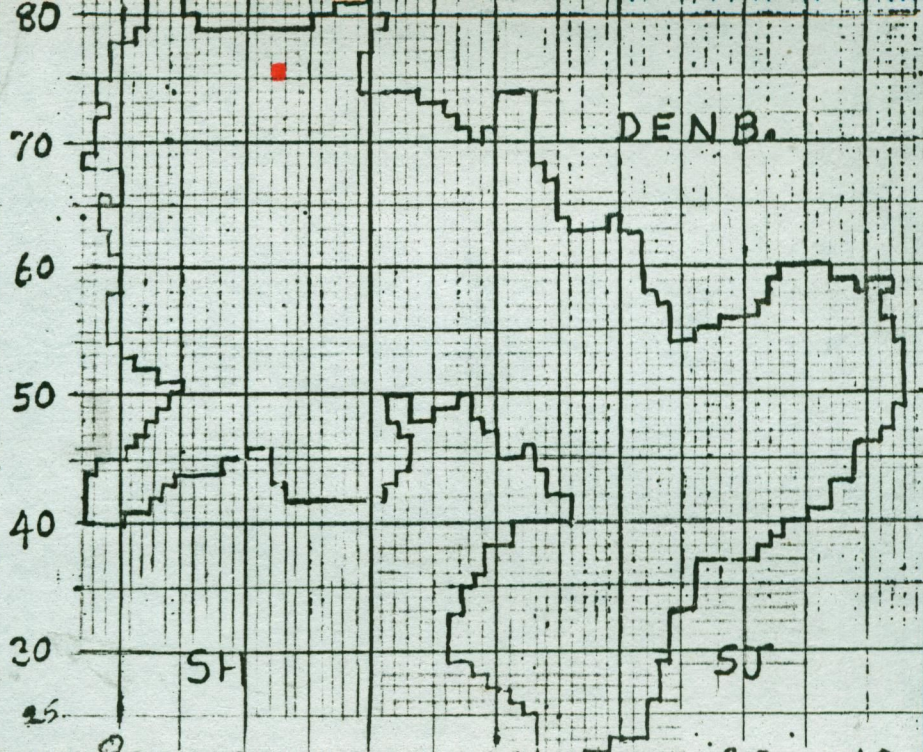
Nant-y-Ffrith Valley 2654(?)



"Manganese ore"

Dents.

Nant Uchaf SH9275



MARCASITE

DENB

(Parc M. Caern) (Error)

Monazite

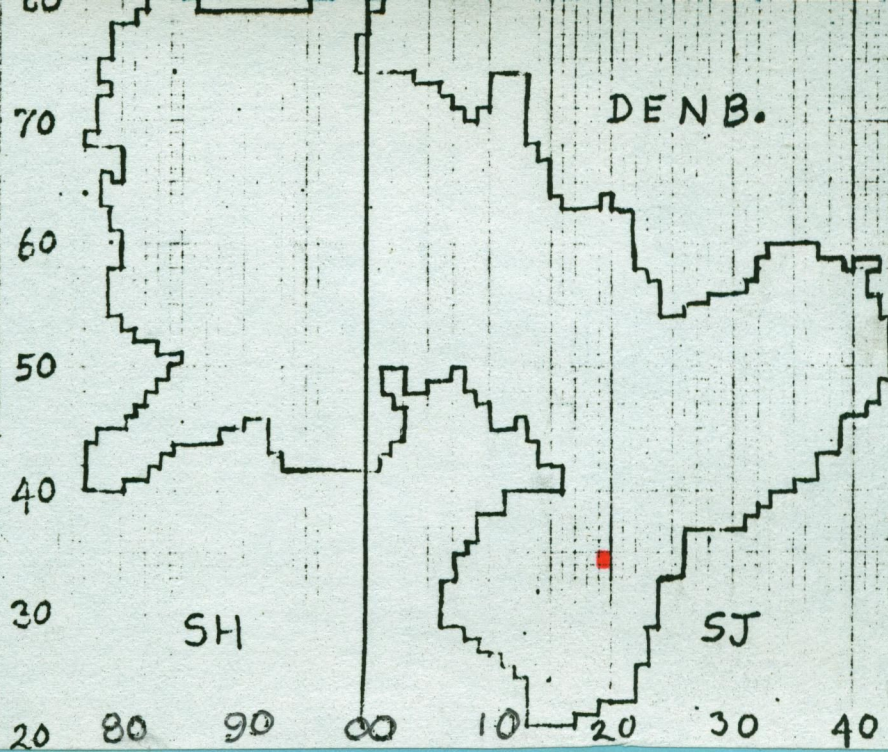
Denb

Hendrie Q. SJ 19 34 (-Ce)

Olivine

Denb

Hendle Q SJ 1934

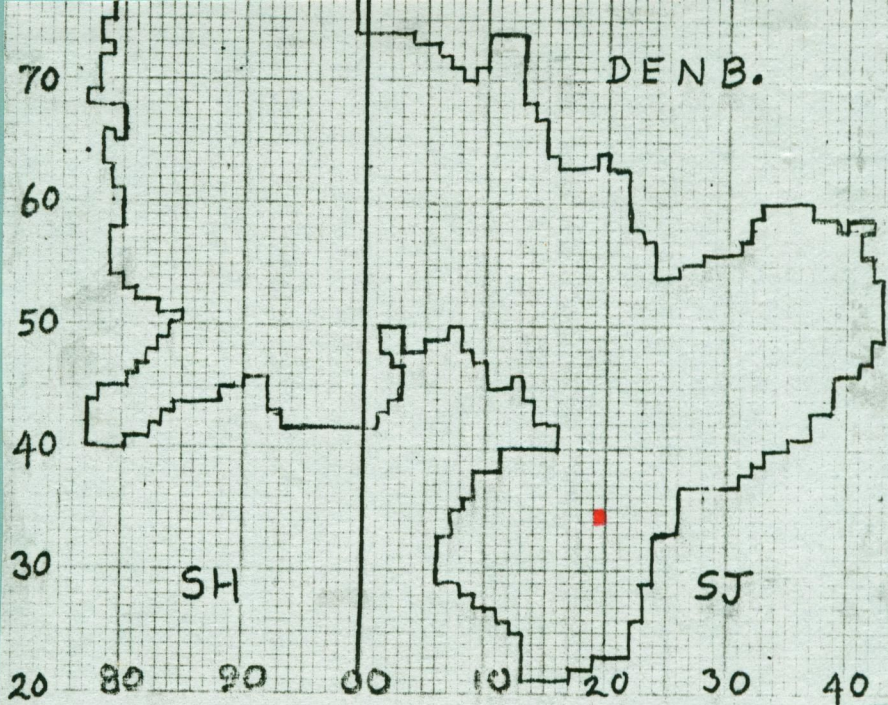


PECTOLITE

DENB

Hendre M. SJ 1934

Hendre Q. SJ 1934



Pyrite

Denb

Cilcenus M SH 8158

Bron-heulog M SH 9371

Llanfair M SH 9370

Ty'n-y-ddol M SH 9471, 9571

Meadow Sh. SJ 2750

Henolre Q SJ 1934

80

70

60

50

40

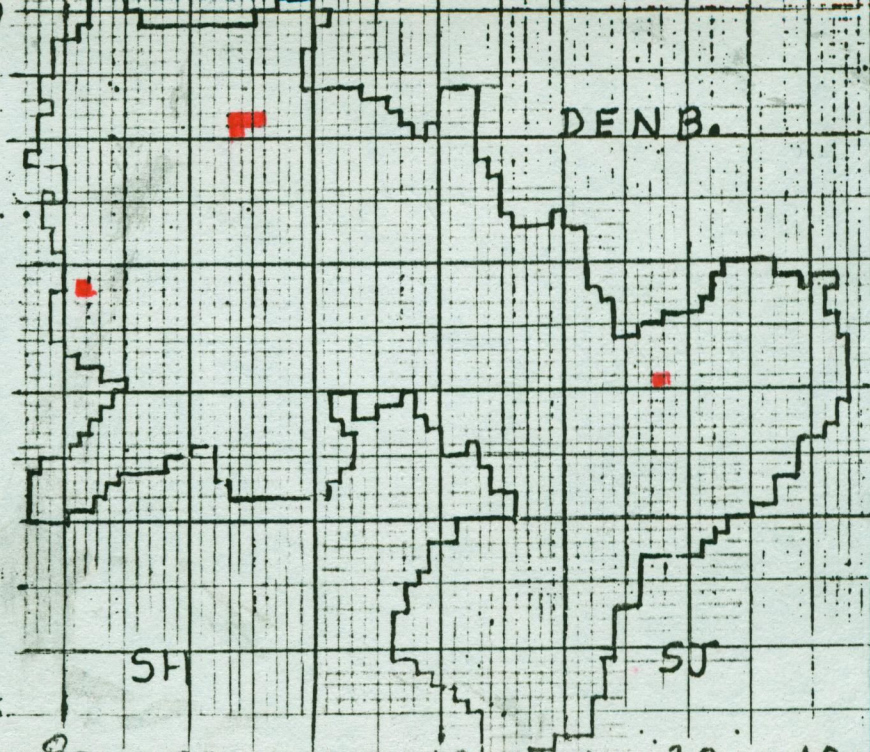
30

25

DENB.

SH

SU



Pyrolusite

Denb

Nant Uchaf west 9275

Pyromorphite

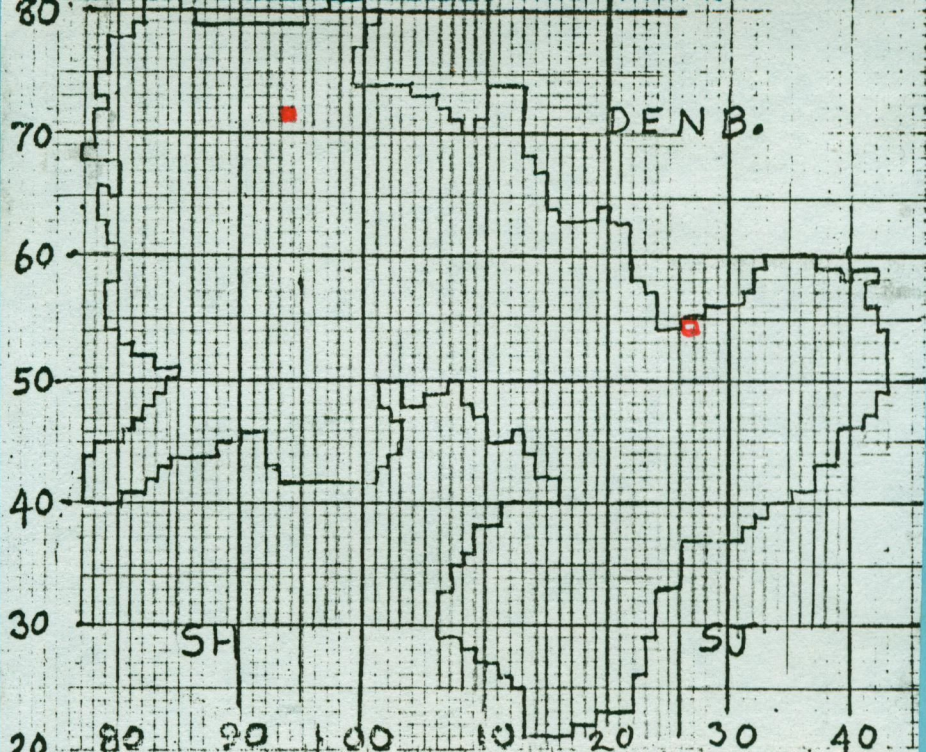
Denb

Bron-herlog M SH 9371

Nant-y-Ffrith Valley (?) SJ 2654 (?)

Minera Mls (?)

Bwlch-gwyn M. (Calceian) SJ 2654



PYRRHOTITE

DENB

Llanrwst, Caern (error)

QUARTZ

Glynceiriog SJ 2038
 Nant-y-Plwm M. SH 9366
 Minera mines (silica) SJ 2651
 Pandy SJ 1936
 Hendre Q SJ 1934
 Ty'n-y-ddol M SH 9471
 9571
 Bron-Heulog M SH 9371
 Bryn-nant-ellech M
 SH 9368
 Cilcerus M SH 8158
 Dyffryn Alad M SH 9566
 9567
 Graig SJ 20 50

DENB

Hafod Hwntw M SJ 2051
 Llanfair M SH 9370
 Lower Park M SJ 2551
 Moel Arthur SJ 1466
 Pen-y-mynydd SJ 1466
 Pool Park M SJ 2550
 Silica mine (silica)
 SJ 2651
 S. Minera M SJ 2550
 Red V SJ 2552 2651 2652
 2750 2751 2849? 2850?
 Main V SJ 2552 2651 2652
 2750 2751 2849? 2850?

Qtz

Meadow Sh. SJ 2750

Pool Park V SJ 2450
2549 2550

Park V SJ 2451 2550
2551 2650

Rock V SJ 2452 2552

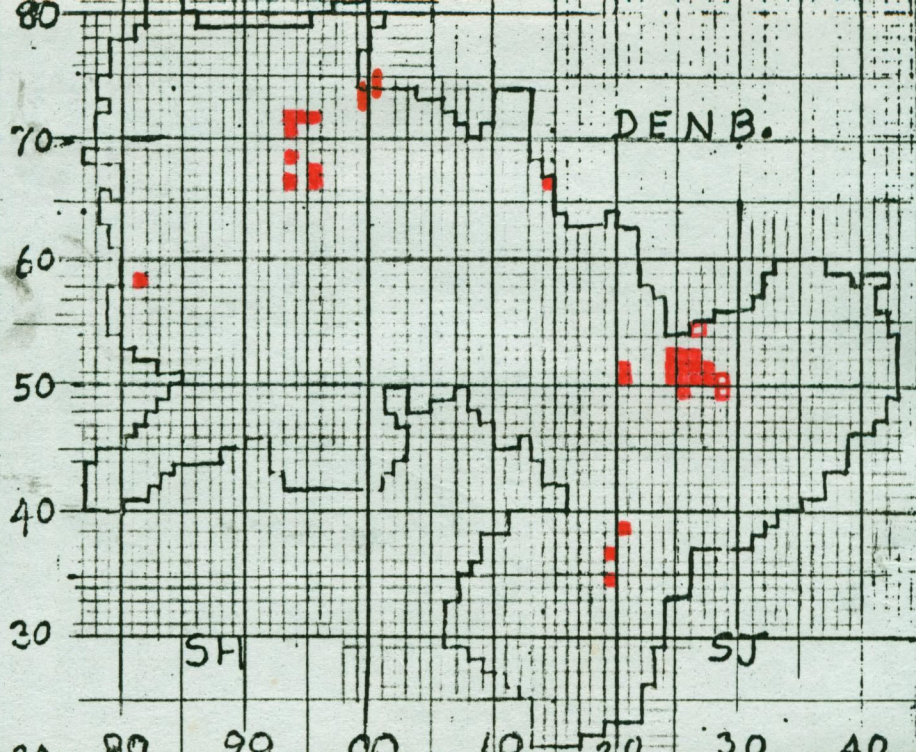
Ragman V SJ 2452 2551
2552 2650 2651

White V SJ 2551 2552 2651

Minera Q 2551, 2552, 2651

Nant-y-Ffrith Valley 2654(?)

Bodelwyddelan



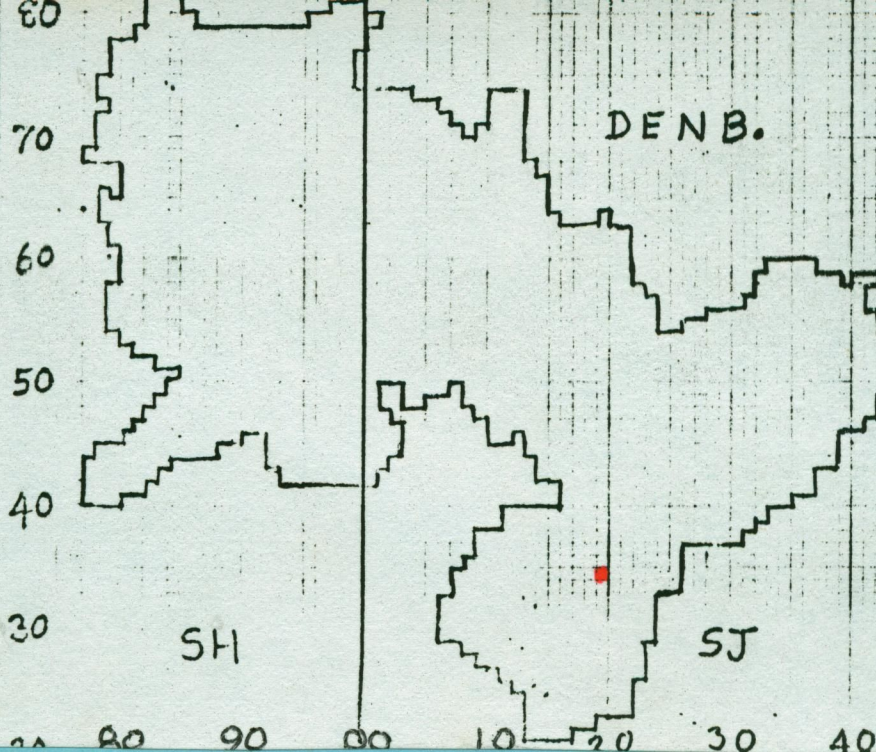
G

Quartz

Lutile

Dento

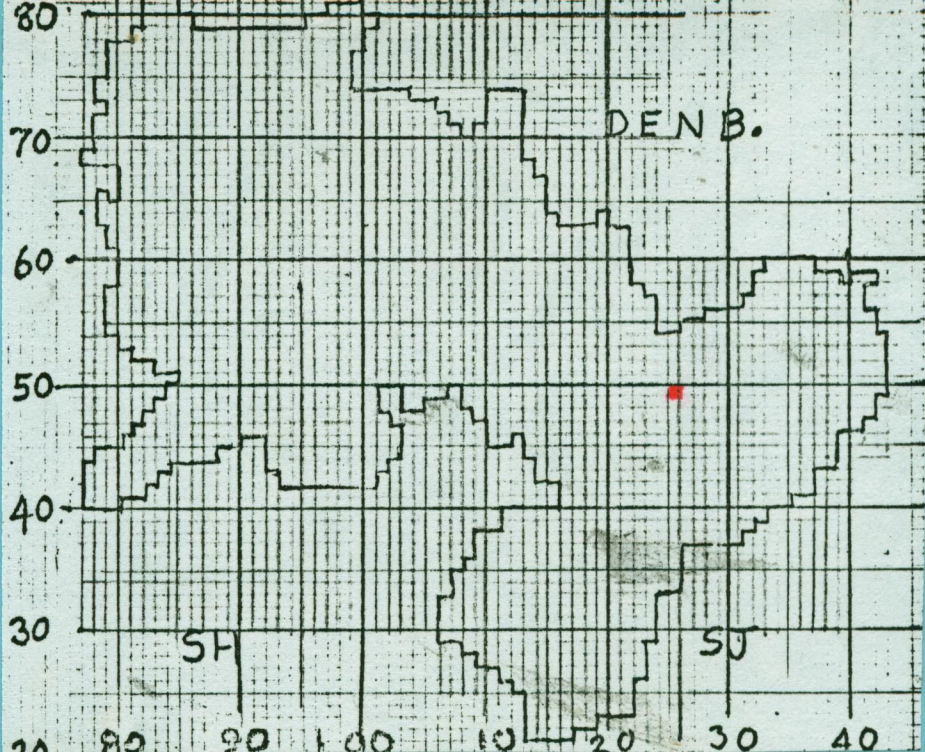
Hendre Ⓟ SJ1934



Siderite

Denb.

Pool Park V. (Dixons Sh) SJ 25 49



Smithsonite

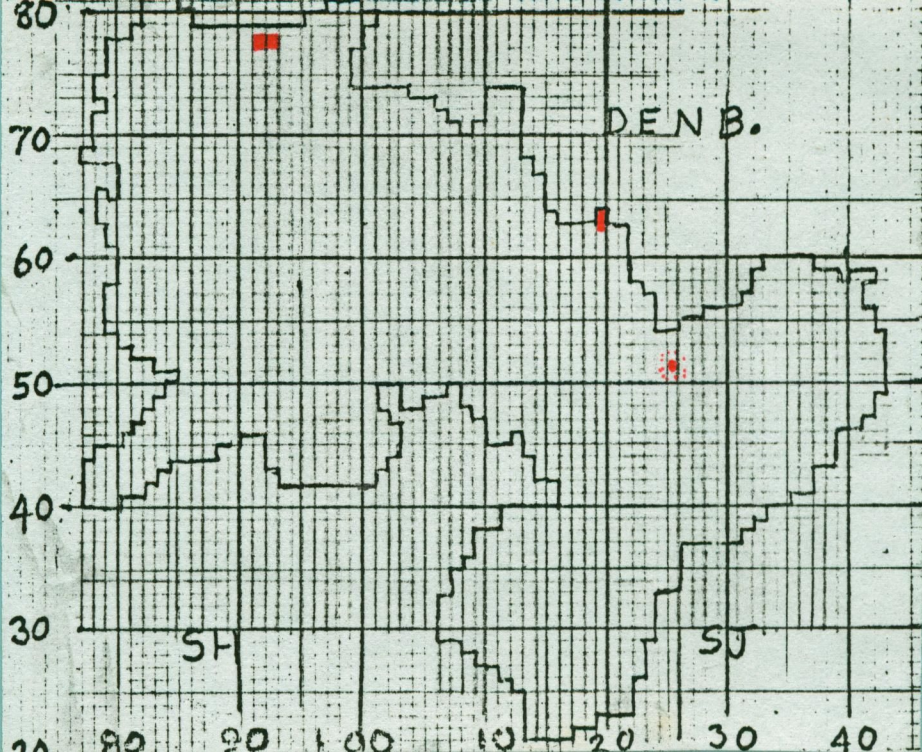
Denb

Cefn-yr-ogof SH 9177, 9277

Scone M ✓ SH 99 73

Cathole V SJ 1962 1963

Minera M's Conton SJ 2651



SPHALERITE, "Zinc ore" "Zn"

DENB

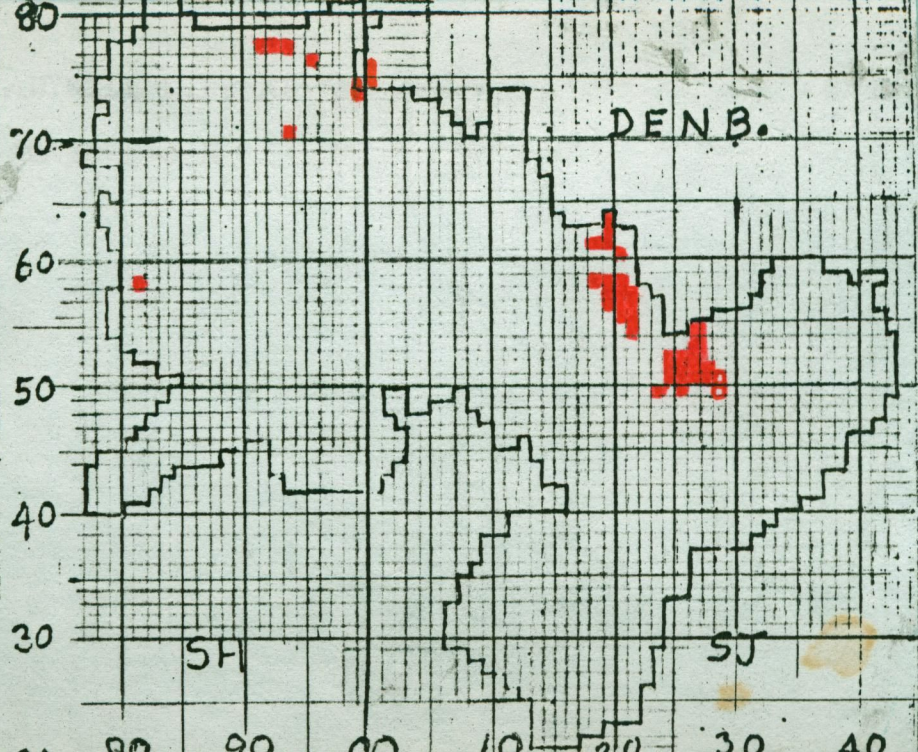
Minera SJ 2550

- Cilcenus M SH 81 58
- Blaen-y-nant M SJ 19 58
- Bryn-y-gloch M SJ 19 57
- Cefn-yr-ogof SH 9177, 9277
- Craig-y-brynau V SJ 20 58
- Creigiog M SJ 20 55
- Ffordd-tas-bach SH 95 76
- Ffos-y-bleiddiaid SH 93 77
- Llanfair M SH 93 70
- Park Ms SJ 2551, 26 50
- Pool Park M SJ 25 50
- Score M SH 99 73
- S. Minera M SJ 25 50
- Tan-y-graig SJ 19 56
- Westminster lode 2 M SJ 20 57
- Llanfair M (Z) SH 93 70
- Bog Ms (Z) SJ 20 57 21 56
- Cefn-y-gist Ms (Z) SJ 23 49
- Cathole V SJ 19 62 19 63
- Maes-y-pwll V SJ 19 56 20 55 21 54 21 55
- Creigiog V SJ 19 56 20 55 20 56

2n

- Vein Ganol SJ 2055 2155
- Pant-y-gwlanod V SJ 1957
2056 2057 2156
- Blaen-y-nant V SJ 1858
1958 2057 2058 2157
- Maeshafn V SJ 1861 1961
2060
- Red V SJ 2552 2651 2652
2750 2751 2849? 2850?
- Meadow Sh SJ 2750
- Pool Park V SJ 2450
2549 2550
- Park V SJ 2451 2550
2551 2650
- Ragman V SJ 2452 2551
2552 2650 2651
- Marian String SJ 2750 2751

- White V SJ 2551 2552 2651
- Main V SJ 2552 2651 2750
2751 2849? 2850?
- Minera Q 2551 2552 2651
- Bwlch-gwyn 2552 2653
- Nant-y-ffrith Valley 2654



Sphalerite

Sulphur, native

Denb.

Bwlch-gwyn M SJ 26 54

Susannite

Denb

Bwlch-gwyn M

5J 26 54

Titanite ("sphene")

Darb.

Hendrie Q. 55 19 34

WITHERITE

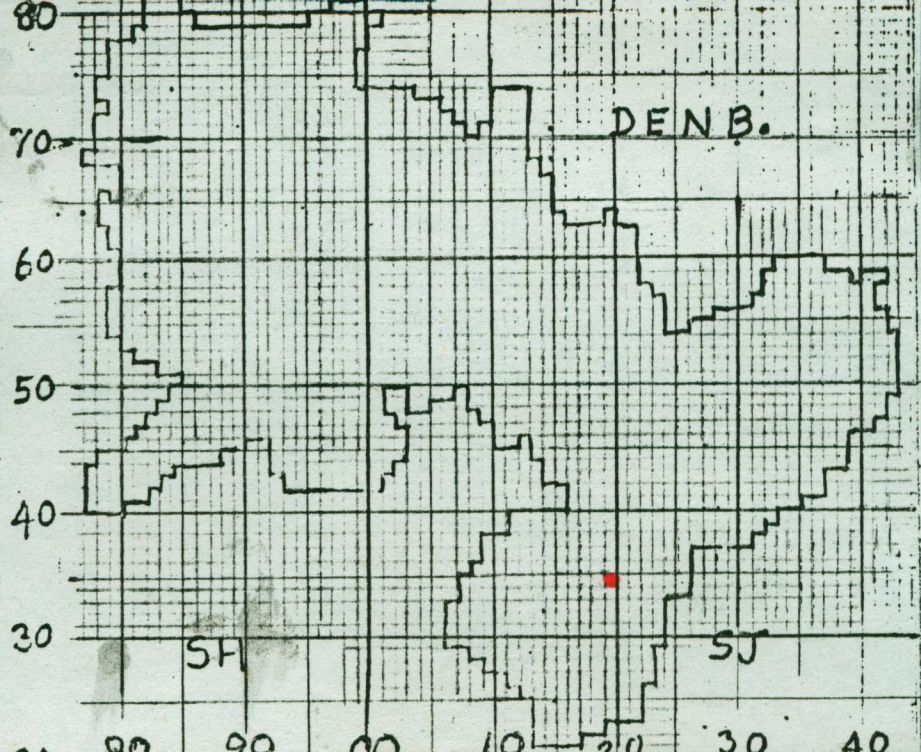
DENB

St. Asaph, Flints (error)

Xenotime

Denb

Hendrie Q 19 34 (Xenotime-(Y))



1" 108, 109

SJ 207 621
20 61

ABERDUNA, Llanfernes, Denb.

RH (1853) Listed (lead ore), "ABERDUNE, Flints"

OS 6" map. "Aberduna" - SJ 207 621

"Old Shaft (lead)" near Aberduna include:
SJ 206 619, 204 621, 206 623.

ABERGELE, Denb.

See also TYN-Y-CREAU M; NANT UCHAF; FFOS-Y-BLEIDDIAID,
CEFN YR OGOF; TYDDYN MORGAN; CAE'R GWAITH; YSGEIRALLT.
DINORBEN; BODELWYDDAN (Flints);

FJN (1962), 98. Haematite mined on a small
scale near Abergele. [cf. TYN-Y-CREAU M.]

1" 108, 109

SJ 204 541

ALLTGymBYD, Llandegla, Denb.

JRF-S (1972) 26 Old trials on NW veins
in l1st. Some lead ore.

SRMRGB 19 (1921) 101.

JRE, Bull. 14 (1958) 61. Two short EW
strings, 170 yd ^{205 541} & 430 yd ^{205 545} S of Alltgymbyd
Both are galena-calcite strings.

1" 108, 109

SJ 234 480

BEAN VEIN, Llandegla, Denb.

See also WORLD'S END; EGLWYSEGLE.

JRF-S (1972) 36

worked in
sandstone.

Vein, a little N of E
1st underlying Cefn-y-fedw

SRMRGB 19 (1921) 115.

1" 108, 109 SJ 197 583
201 588

BELGRAVE MINE, Llanarmon, Denb
yn-Ial

See also LLANARMON etc; BRYNYRORSEDD M; CRAIG-YR-WOLF

OS 6" map shows "Belgrave Mine (Lead)" at 197 583
and at 201 588

WJL (1967) On Pb mines map, p 205

RH (1853) Listed (Pb) under "Flints".

JRF-S (1972) 20 Belgrave Vein ~ NW in lst.
Galena in calcite.

fn old mine; aband. 1882.

Belgrave Sh. to ~ 900 ft. (135' below

Deep adit level). Ore not bottomed, &
virgin ground to SE.

SRMRGB 19 (1921), 98, Plate III.

JRE, Bull. 14 (1958) 58, Plate V. One of
the richest of the early mines in the
district. 4 adits: Deep Adit from near
R. Alyn just $> \frac{1}{2}$ ml S of Llanferris at $\approx 680'$ OD,
driven ESE to cut vein then followed it
SE for ≈ 1 mile. Other 3 adits on vein
E of Bryn-yr-Orsedd (194 593) at 830, 980 and
1110 ft OD.

1" 108, 109 SJ 1959 2058 2158

BELGRAVE VEIN, Llanarmon-yn-Ial, Denb

See also BELGRAVE MINE

JRE, Bull 14 (1958) 58, Plate V, Fig 2.

Calcite egalena.

BELGRAVE

MV

Adits etc - see

1108

SJ 199 582

BLAEN-Y-NANT MINE, Llanarmon-yn-Ial, Denb.

JRF-S (1972) 21. NW vein in lst, also a ^[qv] branch on N side - CRAIG-Y-BRYNIAU v. with appreciable sphalerite as well as the galena found in the main vein.
ERRYRYG WHIM Sh, 204 579.

SRMRGB 19 (1921), 98.

JRE, Bull. 14 (1958), 58-59.

1" 108, 109

SJ 1858 1958 2057 2058 2157

BLAEN-Y-NANT VEIN, Llanarmon-yn-Ial, Denb.

JRE, Bull 14 (1958) 58-59 Fig 2 Galena,
occasional ~~calc~~ sphalerite, in
calcite.

1" 108,109 Near SJ 209 540

BOD IDRIS MINE, Wandegla, Denb.

OS 6" Denb 27NW & NE show "Bod Idris" (house) at 205 537, and "old shafts (Pb)" at 208 540 and 210 5400

JRF-S (1972) 26. 209 539. Small NW vein in list worked 1876-1880 for lead ore.

SRMRGB 19 (1921) 101.

JRE, Bull. 14 (1958) 61. 70 tons lead ore

recorded 1876-1880, when last worked.

Small trials along Bod Idnis fault unsucc.

108, 109 ST 208 5/10
210 568-9

BOG MINES, Llanarmon, Denb.

See also LLANARMON etc, WESTMINSTER LODE, etc.

OS 6" map shows "Bog mines (Lead)" around 208570
and 210 568-9

WJL (1967) On Pb mines map, p205

JRF-S (1972) 23-24. On an E oreshoot of
WESTMINSTER VEIN, worked mostly
later than WESTM. & PANT-Y-GWLANOD M's.
Closed 1868.

BOG ISSA sh., BOG NEW ENGINE sh., MARY
ANNE sh. NANT-ADDA LEVEL driven

at ~700'OD after 1850 to drain all
the mines in the Westminster-Bog group.
Extended to Bog Issa Sh. in 1890; Crosscut
S to Pant-y-Gwladod Vein but at wrong
horizon for good ore & stopped in 1900.

Lead & zinc concentrates recorded.

SRMRGB 19 (1921) 99-100, Plate III.

JRE, Bull 14 (1958) 59-60, Plate V. BOG ISSA
Sh.: - "spar" & "lead" (calcite (?) & galena).

1" 108,109 SJ 2125 5680

BOG EAST MINE, Llanarmon, Denb.

OS 6" map shows "Lead mine" at 2125 5680

JRF-S (1972) 24 Trial shaft to SE end
of WESTMINSTER V. [q.v.], but ~~not~~ to
unfavourable horizon.

JRF Bull 14 (1958) 59, Plate V

1" 108, 109

SJ 261 518

BOUNDARY SHAFT, ~~E~~ Esclusham Without, Denb.

See also MINERA M's.

JRF-S (1972) 32. 260' deep; the main
 workings of the Minera mines
 commence here & stretch to the SE.

1"108

SH 938715

BRON-HELLOG MINE, Llanfair Talhaiarn, Denb.

AA Archer NF(1951), 262. Worked on a small scale ca. 1890;
on a lode trending NE

6" OS map shows levels (lead) at SH 938714 and
939715.

WJL(1967) On Pb mines map

RSWB (3/70) V 155-156. Cent. on SH 938715. Upper
dumps best. Some cavernous quartz matrix, with
galena, much altered $\rightarrow$ cerussite xls (up to

$\frac{1}{2}$ cm, all weathered); a little ill-defined pale-green pyromorphite; some chalcocynite altering to "copper pitch" & limonite; ~~in~~ traces malachite, mostly with cerussite, near or on galena

JRF-S (1972) 10 ~NE vein in Ludlow sed. of galena, pyrite in calcite & quartz. Several levels, highest ~650' OD, lowest ~470' OD just above river bank (most extensive).

SRMRGB 23 (1922)

1" 109

53

29 53
2654 2754
Denbighshire

BRYMBO

FJN (1962), 91. Ironstone raised near
Brymbo in mid-19th Cent.

OS 6" map shows Old shafts (coal)

also "Old level (lead)" at 269 543

and "Old trial shaft (lead)" at 278 541

BRYN-HAIDD VEIN, Llanarmon, Denb.

See WESTMINSTER ~~THE~~ LODGE etc.

BRYN HEN, Cefn, Denb.
See PLAS NEWYDD.

OS 6" map shows "Old Lead Mine" near Bryn Hen, at SH 994 733, situated between the lead mines of Bodelwyddan (Flints) and Coed Celyn [q.v.]

FJN (1967) Map, p 205 shows "PLASNEWYDD" at this loc.
OS 1" map: "Plas Newydd" is old house at SH 999 730 [SJ 000 730]

1" 108

SH 934/68

BRYN-NANT - LLECH MINE, Llanmannon, Denb (I)

AA Archer, N-F (1959), 262. Closed 1895. Copper ore from a
SE-NW lode.

OS 6" map Denb. shows shafts & levels (Cu)
at SH 940 687, 941 686, 941 682, 942 683, also
a little to the NW in Llanfair Talhaiarn
parish, a shaft at 935 6885 with a level (Cu)
at 9345 689, above Pentre-du

SRMRGB 30 "Cu" (1925) 523 Ca 2me N of Llansannan, on S
side of road W of Tyn-y-pwll. Dumps close to
road have calcite, chalcopysite, malachite,
brown iron oxide; "closed" ca 30 yrs ago."

RSWB (3/70) V, 157. Open, wet, recently cleared
adit with new drainage channel & small
dump, at SH 9425 6825, at foot of
steep slope. Shale dump with much
shale-breccia matrix with chalcopysite
altering to "copper pitch", limonite, and
much malachite, mostly in small needles;
quartz.

BRYN-NANT-LLECH MINE, Llansannan, Denb. (II).

JRF-S (1972) 12. 940 685. ~ NW vein in
Ludlow seds. Chalcopyrite,
malachite w. a little galena, in
mudstone-grit breccia cemented by
calcite.

Level driven SE from just W of
Tyl'n-y-pwll farm, ~ 850' OD. Two levels
driven N & NW from Nant Rhyd-yr-eirin,
at ~ 800' & 750' OD. Shafts on line of vein.
Active until 1895.

BRYN-Y-GLOCH MINE, Llanarmon-yn-Ial, Denb.

See also WESTMINSTER LODGE etc., PANT-Y-GWLANOD.

JRF-S (1972) 22. Old mine, later joined
w. PANT-Y-GWLANOD & WESTMINSTER MINES.
On NW end of vein system, known here
simply as BRYN-HAIDD VEIN, NW in
lower limestones. Calcite, with
some galena & sphalerite.

SRMRGB 19 (1921), 98-99.

JRE, Bull 14 (1958), 59.

BRYNYRORSEDD MINE, Llanarmon-yn-Ial, Denb.
See also BELGRAVE M.

WJL (1967) On Pb mines map, p. 205.

RH (1853) Listed (Pb) under Flints - "ORSEDD"

JRF-S (1972) 19. On NW BELGRAVE V. Ore-
shoot all in list, below Main shale.
Orig. separate, later part of BELGRAVE
M. to SE.

3 levels, lowest at 830' OD, below

which Deep adit level of Belgrave
mine at 680' OD from E bank of
R. Alyn.

SRMRGB 19 (1921), 98.

JRE, Bull. 14 (1958), 58.

BURTON'S SHAFT, Minera, Denb.

See NEW MINERA LEAD MINE

BUSY BEE VEIN, Minera, Denb.

See MAIN VEIN

1" 108, 109
Brymbo PH SJ 256 529
JRF-S 266 534 (I)
BWLCH-GWYN MINE & Minera, Denb.
and QUARRY
WEDD. CAVE: 26 54

WJL (1967) Pb mines map, p. 205 shows "BWLCH-GWYN"

OS 6" map shows Bwlchgwyn (village) at 264 535,
(Brymbo PH), nearest "Old Shaft (Pb)" at
256 529, in Minera PH.

RH (1853) Listed (Pb) under Flints.

JRF-S (1972) 27 Two veins, ENE & EW, in
Cefn-y-fedw sandstone. Lead ore
produced 1850-1861.

SRMRGB 19 (1921) 115.

Russ Soc Newsl (1991) 21 Disused Q. in Namurian
sandst at BWLCHGWYN - vern of ox. galena
exposed, w. minor sphalerite; baryte,
fine MM's of sec'y's incl good groups of
cerussite & other Pb secondaries

OS ~~26~~ " BWLCHGWYN Q cent on 258 531
3 other Q's cent on 265 538

JIW. Spec → RSWB 4/94 → From WEDDING CAVE
FLATS, galena with excellent anglesite
& cerussite xls., traces linarite(?) greenish
to yellowish gummy crusts "sulphate allophane"
(CFTIR). Azurite (efferv due HCl)

BWLCH-GWYN Mine, Brymbo, Minera, Denbs (II)

J. Wilson (1995) WEDDING CAVE flats:
anglesite, crussite, linarite etc

BMS Newsl (2/95) 42, 3 D. Green: WEDDING CAVE
- carbonate-cyanotrichite

M Rothwell (1998) BMSN 50 2-5 WEDDING
CAVE, BWLCH-GWYN: carb-cyanotr; azurite,
anglesite, linarite, brochantite, sulphur,
susannite, calcdonite, sphalerite,
pyromorphite - (Ca). At 265 541
An unknown.

1'108

SJ 192 588

CAE-HARRY, Llanarmon-yn-Ial, Denb.

See PWLL-HELYG

CAE'R GWAITH, Abergelo Denb

See also TYDDYN MORGAN; FFOS-Y-BLEIDDIAID

FJN(1962) 78

Mine highly productive in
the latter half of the 19th Cent.
Masses of galena weighing several
hundredweights reported.

JRF-S (1972) 6

CAE-YR-GWAITH, = latest
part of FFOS-Y-BLEIDDIAID.

CARREG-Y-COCHION VEIN, Llanarmon, Denb.

See PENTREHOBIN V.

1" 108

SJ 1962 1963 2062

CATHOLE VEIN, Llanferres, Denb. [ALSO FLINTS.]

Glan Alyn adit 196 629 (OS 6" map)

Bull 14 51-54 Mostly in Flint but W end
in Denb., which end prob. worked earliest.
Worked from shafts e Glan Alyn adit
[196 629 1-6" OS map] Galena, sphalerite,
some calamine [? smithsonite] from W
end of Cathole Mine.

1" 108, 109

SJ 237 495

CEFN-Y-GIST MINES, Penycae, Denb.

JRF-S (1972) 36 Mines on CEFN-Y-GIST VEIN
(a little N of W) and YOUNG'S VEIN
(N of E), in limestone overlain by
sandstone at surface. Lead &
zinc ores produced to 1883.

SRMRGB 19 (1921) 114.

1" 108

SH 914 662

CEFN-Y-GROES FAWR, Llanfairtalhaiarn, Denb.

JRF-S (1972) 13

Shaft in Ludlow sed

~ 100 yds ENE of the farm, ~ 950' OD,
prob. trial for Pb & Cu ores.

OS 6" map:

Old shaft (copper).

108 SH 9177-9277
CEFN-YR- OGOF, Abergelle, Denb. (I)

FJN(1962), 78 Two veins cross Cefn yr Ogof hill.
N vein reached by level from Tynewydd
The workings in the S vein extended
as far as Gwrych Castle

OS 6" map shows "Old Shaft (head)" between
Cefn yr Ogof & Gwrych Castle, at SH 923774
and 9255 7745

WJL(1967) Map p205 Shows "Gwrych Castle" & "Cefn yrogof" mines

R. Warner, 2nd Walk (1800) p270. "CEFN-OGO" limestone
mass with cavern, ca. 1 ml from "Abergelant"
has stalactites

JRFS (1972) 5. 915776-927775, ENE vein
in Carb Lim, w. galena in calcite.
Some sphalerite; smithsonite in shallower
workings.

Ancient; considerably worked. Level
on vein from Ty-newydd to the W, ~100' OD
Cross-cut level to S ~200' OD from below the
drive to Gwrych Castle.

Another vein ~150' to S, seen on E

CEFN-YR-OGOF, Abergelle, Denb. (II)

side of Dulas Valley. Strikes ESE,
exposed in caves/mines; shaft over
~ 1 ml. Level into vein nr Castle
~ 300' OD & deep X-cut level from
sea-shore, prob. to both veins,
portal ~ 900' E of Ty'r-Ogof, but old
reports suggest never reached veins.
Active 18th Cent, little or none
since.

SRMRGB 19 (1921) 32-3

Mem GS (1885) "The geol of the coasts adjoining
Rhyl, Abergelle & Colwyn"

CHIRK MINE

Denb.

? = PEN-Y-GRAB. [qv]

WJL (1967) Map, p 237. Lead mine - CHIRK.

CILCENUS MINE, Llanrwst, Denb.

WJL (1967) Map, p 237. Lead mine

JRF-S (1972) 4 Ca. EW vein through ~~the~~ black
Ordov. mudstones; breccia, cemented
w. quartz w. sphalerite ^{some} galena,
calcite epyrnite less common. Last
active during 1914-18 war.

SRMRGB 23 (1922) 78.

COED CARREG DAFYDD, Cefn, Denb.

See ~~BRYNNWEN~~. PLAS NEWYDD.

COED - CELYN, Cefn, Dents.

OS 6" map shows "Old Shafts (Lead)" near
Coed Celyn, on Cefn Meiriadog ridge, at
SN 012725 and 013727.

JRF-S (1972) 9. PANT-CELYN (= COED-CELYN),

013726. On vein, a little W of N,
in Carb. Lim. Several shafts. Lead-ore
outputs recorded 1847-1852.

1" 108, 109

SJ 206 618
(Engine Sh.)

COED CYNRIC MINE, Llanferres, Denb.

JRF-S (1972) 16 NW vein in Carb. Lim., worked
for lead ore. Good one-shoots,
underlying the Main shale.

Cerussite where vein crosses the old
fireclay quarry at Colomendy.

Vein worked between fireclay q at NW end
to Engine Sh. 206 618. Intersected by the
cathole cross course (~ NS) nr Eng. Sh. Extends
to SE into Flints.

SRMRGB 19 (1921) 17, 93.

JRE. Bull 14 54-5 (1958) . Lumps of cerussite
in the vein at the old fireclay pit ~~nr~~
at 203 619 nr Colomendy. Rest of
vein: coarse calcite; galena the only
sulphide present.

1" 108 109

SJ 2061 2161 ~~2062~~

COED CYNRIC VEIN, Llanferres, Denb.

See also COED CYNRIC MINE

Bull 14 54-5; Fig 2, Plate V.

where it passes through old fireclay pit at
Colomendy, at 203 ~~619 620~~ 619
Galena, in calcite

Has cerussite

1" 108

SJ 116 556

COED MARCHON, Efenechtyd, Denb.

See also EYARTH MINE

JRF-S (1972) 16. W end of the two EYARTH

M. veins explored in opencut
E of Efenechtyd Church ~ 1900; in
Carb. Lim. Baryte.

SRMRGB 42 (1920), 86.

1" 108

~ SH 954 685

COED NANT-Y-PLWM, Llansannan, Denb.

JRF-S(1972)12.

Prospects, prob. for
lead ore, on veins ~ NW in Ludlow
seeds.

1" 108, 109

SJ 199 617
1961, 2061

COED-Y-FEDW, Llanferres, Denb.

JRF-S (1972) 16. ~ EW vein in Carb. Lim,
of galena in calcite. Old & shallow
workings

JREarp, Bull GS 14 (1958), ~~MAA~~ 55
galena & calcite on dumps.

COLOMENDY, Llanferres, Denb.

See COED CYNRIC MINE & VEIN

1" 108, 109

SJ 2452

CRAIG-BOETH VEIN, Minera, Denb

CRAIGGIOC MINE, Llanatmon-yn-Ial, Denb.

See CREIGIOG M.

1" 108, 109

SJ 203 582
1958 2058

CRAIG-Y-BRYNIAU VEIN, Hanarmon-yn-Ial, Denb.

See also BLAEN-Y-NANT M.

JRF-S (1972) 21 Branch vein on N side of
Blaen-y-Nant vein, in l'st, prospected
for ~1000'.
galena, sphalerite, calcite.

SRMRGB 19 (1921) 98.

JRF Bull. 14 (1958), 58-59.
sphalerite.

galena, in calcite.

1" 108, 109

SJ 210 519

CRAIG-YR-WOLF, Llanarmon-yn-Ial, Denb.

See also BELGRAVE ~~WELL~~ MINE

JRF-S (1972) 21 Shafts here to test SE end
of Belgrave Vein [qv] in upper Carb. Lim.
A little lead ore produced.

JRE, Bull. 14 (1958), 58.

1" 108, ~~117~~ 117 SJ 221 449

CREIGIAU EGLWYSEG, Llangollen, Denb.

OS 6" map shows "Old Shaft" at 221 449,
on Creigiau Eglwyseg.

? coal ? Pb

1" 108, 109

SJ 204 559

CREIGIOG MINE, Llanarmon-yn-Ial, Denb.

= CRAIGGIOC or GREIGIANG

JRF-S (1972) 25 NW vein, crosses lst as
far W as ~~PLAS~~ PLAS-DU (200563).
Galena, some sphalerite, in calcite;
baryte.
Closed 1884.

SRMRGB 19 (1921) 101

JRE, Bull. 14 (1958) 60-61

1" 108

SJ 1956 2055 2056

CREIGIOG VEIN, Llanarmon-yn-Ial, Denb.

JRE, Bull 14 (1958) 60-61, Fig 2. Calcite, galena,
sphalerite.

A little to the N of MAES-Y-PWLL VEIN

1" 108, 109

SJ 261 488

CWM-MAWR, Penycae, Denb.

JRF-S (1972) 36 Adit shaft to
GOMERIAN LEVEL [qv] at 240 ft,
crossed here by a WNW vein,
explored in Cefn-y-fedw sandstone.

SRMRGB 19 (1921) 113-114.

JRE Bull. 14 (1958) 67-68.

DENBIGH, Denb.

See also MAES-Y-PLWM; TYDDYN UCHAF.

OS 6" map shows "Trial Shaft (Lead)" ~~at~~ at

SJ 040 674 near Tyddyn Uchaf, 1 ml NW

of Denbigh; also "Old Shaft" at SJ 044 666

near Coppy; also "Shaft" at SJ 039 656,

near Galeh Hill.

1" 108

SJ 15 52

DINGLEDenbFJN (1962) 98Small haematite mine

near Dingle, at the head of the Vale
of Clwyd. Ore first quarried then
mined from a large level, but uneconomical

I 108 SH 96 74

DINORBEN, Abergel Rural, Denb.

See also ABERGELE, etc, KINMEL

WJL (1967) Map, p23 - Pb mining in Roman times -
shows "Dinorben".

OS I" 108 shows "Dinarben", as house at
SH 969 749.

1" 108 SH 95 ~~67~~ 67
950 669

DYFRYN ALED MINE, Llansannan, Denb.

AA Archer, NF(1959), 262. Shaft said to be 80-100 ft deep.
Copper ore got 1883-1885 from a WNW lode which
also had galena.

OS 6" map shows "Dyffryn Aled mine (Copper)"
with levels at SH 951 670 and 949 669

JRF-S (1972) 13. Vein in Wenlock sed., a
little N of W, of chalcopysite, galena,
in calcite & quartz.

Main adit, driven W on vein ~ 500' OD.
Abandoned 1895.

SRMRGB 23 (1922), 47.

SRMRGB 30 (1925), 52.

1" 108

SJ 236 476

EGLWYSEGLE, Llangollen Rural, Denb.

See also WORLD'S END.

JRF-S (1972) 37

WORLD'S END (= EGLWYSEGLE)

VEIN, ~ WNW

prospected by a level

from the valley, just S of Plas

Uchaf. [OS 6" map - level at 2295 4765],

and shafts, some of which do not

seem to have bottomed the Cefn-y-

fedw sandstone. Old. Last worked

1870.

SRMRGB 19 (1921) 114-115.

1" 108, 109

ST 250 474

EGLWYSEGLE EXTENSION, Penycae, Denb.

See also WORLD'S END; EGLWYSEGLE.

JRF-S (1972) 37 Level driven WNW from
250 474 along EGLWYSEGLE vein in
limestone under sandstone. Tried
at same time as Eglwysegle mine.

SRMRGB 19 (1921) 115.

1" 108,109 Near SJ 252 525

EISTEDDFOD MINE, Minera, Denb.

WJL (1967) On Pb mines map, p.205

OS 6" map shows "Eisteddfod" near 252 525

RH (1853) Listed (Pb ore) under Flint as
"BRYN-STEDDFOD"

1 108, 109

SJ 204 579

ERRYRYS WHIM SHAFT, Llanarmon, Denb

See BLAEN-Y-NANT M.

EYARTH MINE, Llanfawrog Denb.

See also COED MARCHON

AA Archer N-F (1959), 263. 4 ml S of Llangynhafal.
Baryte worked from two lodes in Carb. Lim.

JRF-S (1972) 15. Two EW veins in Carb. Lim
~ 120' apart, nr Bron Eyarth farm, with
lenses of pink baryte. E end
worked from ~ 1902 to in 1918.

SRMRGB 2 (1920), 86.

~~SRMRGB~~ Mem GS, War. Pam. 46 (1945) "Ba mins." p 120

1" 108

SH 955 760

FFORDD-LAS-BACH, Abergele, Denb.

JRF-S (1972)7. Trials on calcite vein
a little W of N in Carb. Lim, with
much sphalerite.

17108

SH 9341, 1710

FFOS-Y-BLEIDDIAID, Abergele, Denb.

FJN (1962) 12 Old lead workings. ? Roman
p26: A long trench on the N side of the rock
nr. Abergele that has Castell gawr on its
summit. p78. Mention

OS 6" map shows "old shaft (lead)" on S
side of Castell gawr also, at SH 9365 764

WJL (1967) Map. p205.

JRF-S (1972) 6 At 935769. Strong ENE vein
in Carb. Ltm. Galena, some sphalerite

in calcite. Ancient, poss. Roman. Worked
18th, 19th cent → 1856. Latest workings
= CAE-YR-GWAITH, at foot of hill. Lowest
level, to SW on vein, ~ 150' OD.
[See 'CAE'R GWAITH]

SRMRGB 19 (1921) 31-3

Mem GS (1885)

FUCHASLAS MINE,

" Llanrwst,

" Denb.

See PARC MINE; Llanrhydyon, Caern

GALFACH, Llansannan, Denb.

See GILFACH

1" 108

SH 921 632

GILFACH, Llansannan, Denb.

JRF-S (1972) 14. Copper ore reported
(as "GALFACH"). No details. Would be
in Wenlock ~~beds~~ shales.

SRMRGB 30, (1925), 53.

GLAN ALYN ADIT, Llanferres, Denb
See CATHOLE VEIN.

1" 117

SJ

20

38

GLYNCEIRIOG, Denb.

See also HENDRE Q., HENDRE MINE, PANDY.

Llansantffraid glynceirio g pM.

Cardiff Mus: Green quartz prisms (opaque ?chloritic).GR, 5/70

Large deep flooded quarry at

SJ 188 379 & v. big dumps, in forest.

Slate, some quartzRoy Stankey, Priv. Comm. (2/85) Colour slides,
smallish but nice brookite xls.

1" 108, 109

Portal SJ 264 483

GOMERIAN (ADIT) LEVEL, Remycae, Denb

See POOL PARK M., S. MINERA M., CWM-MAWR M.

1" 108, 109

SJ 206 594

GOODWIN MINE, Llanferres, Denb.
See also PANT-DU VEIN.

WJL (1967) Pb mines map^{p205} has "LLANFERRES"
in this area.

JRF-S (1972) 18-19. PANT-DU V. & PENTRE
HOBIN v's worked. Galena in
calcite; some fluorite, increasing
towards SE.
Aband. ~ 1860.

SRMRGB 19 (1921) 97.

JRE, Bull. 14 (1958), 57.

1" 108, 109

SJ 2059

GOODWIN VEIN, Llanferres, Denb

JRE, Bull. 14 (1958) 57 Fig 2.
PANT-DŪ VEIN [q.v.]

A branch of

1" 108, 109

SJ 219 556

GRAIANRYD, Llanarmon-yn-Ial, Denb.

See also MOUNT PLEASANT M.

JRFS (1972) 26: Trials in l'st at
unfavourable horizon. No records.

1" 108 109

SJ 206 568

GRAIG, Llanarmon-yn-Ial, Denb.

cf GRAIG, Llandegla SJ 2050

OS 6" map: "Old shaft (lead)" 201 568, near Graig

1" 108, 109

SJ 204 506

GRAIG, Llandegla, Denb.

cf GRAIG, Llanarmon-yn-Ial, SJ 206568

JRFS (1972) 28. Trial on fractures ass.
w. Bala fault, here NE in Ordovician.
Tried in 1910 - some galena in
quartz ribs.

SRMRGB 23 (1922) 49.

NB OS6" map shows "Old shaft (lead)" at Graig,
Llanarmon-yn-Ial PH, at ~~201~~ 201 568.

GREIGIAWG MINE, Llanarmon, Denb.

See CREIGIOG M.

GWRYCH CASTLE, Abergel, Denb.

See CEFN YR OGAF

1" 108, 109

SJ 245 499

GWTER-SIANI, Penycae, Denb.

See also SOUTH MINERA MINE

JRF-S (1972) 35. Vein a little N of W in
limestone, intersecting S. MINERA VEIN
at DIXON'S Sh. Old shallow shafts
to surface workings

SRMRGB 19 (1921) 114.

HAFOD BILSTON, Llandegla, Denb.

See HAFOD HWNTW MINE.

1" 108, 109

SJ 219 519

HAFOD-DAFALOG, Llandegla, Denb.

JRFS (1972) 27-28.

calcite, some galena, tried, in
sandy l'st. Fractures assoc. w.
Llaneddan-Bala fault system?

SRMRGB 19 (1921) 102.

1" 108,109 SJ 2085 5120

HAFOD HWNTW MINE, Llandegla, Denb.
= HAFOD BILSTON

OS 6" map Denb 27 NE shows "Hafod Hwntw
Mine (Pb)", "Shaft," & "levels", at 2085 5120, at
Hafod Bilston.

JRFS (1972) 28. HAFOD BILSTON, 208 512.
Trials for lead ore along line (NE) of
Bala fault, in Ordov shales, much
crushed by faulting. Quartz, traces
galena. Prob. tried ~1910.

SRMRGB 23 (1922) 48-49

1" 108

SH 902 670

HAFOD-Y-GOG, Llanfairtalhaiarn, Denb.

JRF-S (1972) 13. Unsucc. trial shaft
at ~ 630' OD in Ludlow seds, prob. for
Pb & Cu ores.

OS 6" map. has Old shaft (lead) here.

HENDRE MINE, Glynceiriog, Denb.

See also HENDRE QY.; GLYNCEIRIOG etc. PANDY

Cardiff Mus: Apophyllite, 1/4" translucent xls on
good colourless pectolite.

1" 117

SJ 191 347

HENDRE QUARRY, Glynceiriog, Denb.

See also HENDRE MINE; GLYNCEIRIOG

(I)

etc., PANDY

Cardiff Mus: Pectolite, 1" mamillary white crust.

GR 5/70 Enormous. Igneous rock flanked
by shales; lots of quartz veins - some xls.
Epidotised rock, but nothing interesting
seen.

Mem GS GB "Oswestry" (1929) p. 77 ff.

Dolerite quarry. EW joints in lower
workings often have calcite, occasional
rosettes pectolite. Joints trending

N 30° W have no calcite.

Decomp. nodular coarse olivine-
dolerite, albitised, chloritised and
epidotised. Near top of quarry,
a decomp. rock contains minute
needles rutile & sporadic crystals
of anatase.

PJ Brenchley & B. Cullen. "The Caradoc & Ashgill Rocks..." in
Geol. around the Univ. Towns: Liverpool (1987?). At
SJ 191347. Dolerite sill ~ 35 m thick. Many calcite
veins. Middle filled w. dangerous unstable blocks.
N. Hubbard & R. E. Startkey (3/85 coll.) Xenotime (XRD, BM(NH)) with
albite in loose blocks. SJ 191 347

HENDRE Q'y, glynceriog, Denb. (II)

Min Rec (1988) 19 336 "N. Hubbard has...
clear micro xls of aragonite with anatase
from Hendre Q, ... Clwyd"

D. Charneton (1993) Priv Comm. Spec → RSWB [93-132]
Rock containing pinkish decomp feldspars?
+ some pyrite cubes — quartz vein
"etched out by acid" shows small clear
quartz xls, also gray pale yellowish clusters
of equant xls of actinolite?
and rarely, clear pink xls w. ~ rectangular
cross-section — titanite ("sphene") [XRD, B. Jackson]

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quartz xls, also gray pale yellowish clusters
of equant xls of actinolite?
and rarely, clear pink xls w. ~ rectangular
cross-section = titanite ("sphen") [XRD, B. Jackson]

tells me he has anatase, brookite

4 September 1993 Hendre Quarry, Glyn Ceiriog,
Clwyd. RSN (1994) 24

Bearing in mind that our party of 11 contained all three authors of an excellent article on the quarry in a well known (rival?) publication and a geologist who had studied the area, your scribe (FI) is not quite sure why he is writing up this part of the days activities! - it must have something to do with short straws or loaded dice. The above-mentioned article (UKJMM, 1991, 10, 48-51) contains details of the geology and mineralogy of the quarry and they will not be repeated here.

Having scrambled over the large blocks of the Ordovician sediments and dark green dolerite, we eventually reached the area that had produced the interesting minerals in the past. Sure enough quartz, albite and anatase were not uncommon. The latter being present as lustrous orange-brown bipyramidal crystals, few were better than 1mm or so, however Austin Lockwood found a much larger (3-4mm?) * deeper brown bipyramid on one of the scree slopes.

From a quartz vein in one block Frank Ince extracted some large aragonite crystals (up to 3.5cm); * these were composites of many small crystals in parallel growth that emerged from beds of the smaller crystals. Whilst brookite was not reported, Roy Starkey thought that he had found a sample of rutile (it looked rather like old-man's beard - surely

not!). Other exotic minerals are known from the quarry but do not seem to have emerged following our visit. Having scrambled down over the blocks and walked back to the cars, we trekked across the Welsh countryside in a motorised conga to Llangynog.

HENDRE QUARRY, Glynceiriog, Denb. (III)

Hendre Quarry, Pandy, Glyn Ceiriog,
Clwyd [Grid Ref: SJ 192 345] -

2 October 1994 RSN(195) 26

NWB, Leader: Harry Critchley

As four Russell Society members and four Warrington members turned up to get changed at the car park opposite the farm, it started to rain and the rain got steadily heavier as the morning progressed, rather like the AGM meeting but a little warmer.

We called at Pen y bont on the way in to inform them that we had arrived and you could almost tell from the reception that they thought we were slightly mad. However when we did reach the quarry which extends up the valley side like a gash it was possible to find overhangs where it was relatively dry. Two members did not find the slippery rock to their liking and quickly retreated to find a café! The rest of us persevered and during the course of the afternoon the rain stopped. Conditions were difficult for viewing much *in situ* but we have certainly got quartz,

aragonite, calcite, chalcopryrite, anatase,
?chrysoprase, and goethite or limonite
pseudomorphs after siderite, ankerite or dolomite.

The aragonites were beautiful being doubly terminated clear crystals perched on clear quartz. The journey back over the boulders took some time as they were still wet and slippery. We met one of the owners at the bottom and discussed the mineral value of the quarry at some length before departing with a heartfelt thanks to him for allowing us entry.

This was the first time copper mineralisation has been found here and last time we were there, lead mineralisation was found. Perhaps there is still more to discover in this quarry.

Please note that it is now forbidden to collect plants in the quarry.

RSN(2000), 36, 22. [55 191 345] Visit. In
dolerite sill; aband ~ 1950. Block w mass Calc.
where H. Critch found monaz + 1 xl xenot on
anatase ~ 5 yrs ago. Qtz vein w. tiny xls
e chlorite; spiky clastic arag xls inankerite,
Tiny acic. rutile, small ca xls, traces Ccpy e
Qtz xls $\Rightarrow$ ~ 1.5 cm. Pyrite x-sections; anatase;
1 monaz. xl (W. wall); ? apoph.

RSN(2001) 38, 12. [55 188 343]. Brookite xls in
a cavity; anatases from "the house-sized
boulder". Anatase-albite matrix can have (e had!)
apatite, monazite, xenotime.

HENDRE QUARRY, Glynceiriog, Denb. (IV)

M. Rothwell (1998) BMSN 50 2-5. Brown
anatase in the dolerite quarry.

Quartz, albite, aragonite, calcite, chlorite,
brookite, chalcopyrite, apatite,
monazite-(Ce), xenotime-(Y), pectolite,
epidote, rutile, apophyllite.

Refers to 2

R. Starkey, N Hubbard & M Bailey (1991) UKJMM
10, 48-?

HUSH VEIN, Minera, Denb.

See WHITE VEIN

KEFN MINE, Cefn, Denb.

See SCORE MINE

KINMEL, Abergele, Denb.

See also DINORBEN, PLAS NEWYDD, SCORE M
BODELWYDDAN (Flint)

JRF-S (1972) 7.

Old Carb. Lim. quarry

has galena in calcite veinlets, also
found in borehole for water.

On line of veins at BODELWYDDAN
[Flint][q.v.]. In Kinnel Park. Lead ore
also reported in excav for foundations
of new Kinnel Hall & sunken road to
stables.

1"108,109

SJ 255 520

LIMEWORKS TRIALS, (Minera), Egclusham Above,

See also MINERA M's.

Denb.

JRF-S (1972) 31 Old trials.

LLANARMON, Denb.

See also BELGRAVE M., BOG M's, WESTMINSTER
LODE,

FJN(1962) 83 Productive mines in this
district. Lead ore assumed from
Chapter heading

1" 108' 109 55 217 568

LANHAMMON MINE, Lanhammon, Dorset.

WJL (1967) On Pb mines map, p. 205

JRF-5 (1972) 24. Trial shaft to 450 ft,
no vein found. Vein found in
cave but at unfavourable
horizon.

SRMRG 19 (1921) 99.

JRF, Bull 14 (1958) 59.

LLANDEGLADarb.

AA Archer, N-F (1959), 263 Unsuccess. trials for lead ore
~~in~~ in 1910 ca 1 mi SE of Llandegla. Older
 shafts & levels recorded by Dewey & Smith (1922) 48.

TMH (1868) 74 Mt. Lim. Galena. "Llandegla, Ruthin, Denb"

1" 108

SH 935 702
936 703LLANFAIR MINE, Llanfair Talhaiarn, Denb.

AA Archer N-F (1959), 262, 308. Opened 1891. No production figures
 after 1903. Two N-S Codes. MORGAN LODE,
 NEW LODE. Lead, zinc, & copper ores.

OS 6" map
 935 702

shows "Llanfair mine" at SH

WJL (1967) On Pb mines map, p 205

JRF-S (1972) 11. Main = MORGAN vein ~ NS, in

Ludlow seds. NEW V. to W vlll; another,
little explored, to E, ill.

galena, sphalerite, some chalcopryrite,
pyrite, in calcite, quartz, a little
pink baryte in veinlets.
Aband. 1907.

SRMRGB 23 (1922), 47-48

SRMRGB 30 (1925), 53.

TM Thomas (1961), 219.

LLANFERRES MINE, Llanferris, Denb.

See GOODWIN M.

LLANGOLLEN MINE, Llangollen Rural, Denb.

See TY'N-Y-CELYN.

LLANGYNHAFAL, Llandyrnog, Denb.

See also ~~FRONDYFFRYN~~; MOEL DYWYLL (Flint)

AA Archer, N-F (1959), 263. Ca. 8 ml S by E of Pennant Mine.
Barytes recorded. No record of working.
 (Dunham & Dines (1945), 120).

OS 6" Flint 12 NE shows "Old Levels (Au)" on Clwydian
 Hills above Llangynhafal, at 142-150, 645-9,
 and at 149 642 and at 152 633. Others
ca 1 ml to the N, above Frondyffryn (qv)

JRF-S (1972) 15. Baryte in some quantity
 but prob. not worked, along a branch

of Vale of Clwyd fault, ~ NS, between
Carb Lim (on W) & Silurians.

SRMRGB 2 (1920), 86-87.

Mem GS. War. Pamph 46 (1945) "Barium minerals in
England & Wales" KCDunham & others. p. 120.

LLANRWST, ~~Caern~~ Denb.

See also CILCENUS MINE; LLANRWST ORE-FIELD (Caern).

TMH (1868), 73. Up. & Lr. Sd. Pyrrhotite, "Llanrwst, Caern".

NB Most of the "Llanrwst" mineral localities are
 the other side of (W of) the river and hence
 in Caernarvons. [q.v.] with the exception
 of CILCENUS MINE, Denb. [q.v.]

1" 108, 109

ST 25 2 51 3

Esclusham Above

LOWER PARK MINE, Minera, Denb.

See also PARK MINES; MINERA MINES etc.

OS 6" map shows "Lower Park Mine (Lead)" at 252514

WJL (1967) On Pb mines map, p. 205

JRF-S (1972) 34 PARK V., v. NW in limestone
e into lower Palaeo. at NW end. Often
worked with PARK M., esp. later.
Galena, in quartz e calcite.

WESTERN Sh. 420 ft., HILL Sh. 570 ft.
Drainage levels: PARK DAY e a branch of

MINERA UPPER DAY L.

SRMRGB 19 (1921) 112-3

JRE Bull. 14 (1958) 67, Plate VII. Oldest
workings on Park vein [qv], near Park
Farm (249 515). Closed 1863.

1" 108, 109

OS SJ 198 611
JRF-S SJ 204 610

MAESHAFN MINE, Llanferres, Denb.

WJL (1967) On Pb mines map, p. 205 - "MAES-Y-SAFN"

OS 6" map shows "Maeshafn mine (Pb)" at 198 611

RH (1853) Listed (lead ore) "MAES-Y-SAFN, Flints"

JRF-S (1972) 17. = MAESYSAFN; 204 610. Ca WNW
vein across whole outcrop of Carb. Lim.
Adit driven ESE along vein from E bank of
R. Alyn ~ 630 OD. 5 main shafts. - reached
1000' depth at GROSVENOR & No 4 Sh's.

Much lead ore obtained. Last worked 1903.

SRMRGB 19 (1921) 94-97, Fig 13.

JRE, Bull. 14 (1958), 55-56, Fig 2, Plate V.

1" 108, 109

SJ 1861 1961 2060

MAESHAFN VEIN, Llanferris, Denb.

JRE Bull 14 (1958) 55-56, Fig 2, Plate V.

Calcite and galena with subord.
sphalerite & occasional fluorite crystals.
No's 1, 2, 3, 4 & Grosvenor Sh's. Level portal
by R. Alyn at ~630 ft or [SJ 19 61]

1" 108, 109

SJ 231 537

MAES MAELOR, Llandegla, Denb.

OS 6" map: Old mine (lead); Old sh. 231 537; Old Level (lead) 233 538
JRFS (1972) 26-27 Trial shaft e level,
prob. in search of SE contin. of
Maes-y-pwll vein into grit. Not
surprisingly unsucc. but should be
investigated in depth.

SRMRGB 19 (1921) 101

1" 108

SJ 044 630

MAES-Y-PLWM, Llanrhaiadr-yn-Cinmerch, Denb.

JRF-S(1972)14. Trials for lead ore
believed to have been made near here,
on a fault a little W of N in Wenlock
strata.

1" 108, 109

SJ 206 555

MAES-Y-PWLL MINE, Llanarmon-yn-Ial, Denb.

JRF-S (1972) 25. Workings in the NW striking
MAES-Y-PWLL VEIN & in VEIN GANOL (VIEW)
ENGINE SH. on M-Y-P. V. to 390'
↓ Lead ore in calcite; baryte reported
at E end, where N-S x-veins, near
N end of Llyn Cyfynwy [ie ~ 218' 549']
in Cefn-y-fedw sandstone.

SRMRGB 19 (1921) 101

JRE, Bull. 14 (1958) 60-61

1" 108, 109

SJ 1956 2055 2154 2155

MAES-Y-PWLL VEIN, Llanarmon-yn-Ial, Denb

JRE, Bull 14 (1958) 60-61.

SE fault;

VEIN GRANOL branches off. CREIGIOG v

is a little to the N.

Calcite, galena,

sphalerite.

At E end, near N

end of Llyn Cyfynwy, at 217549, baryte

said to have occurred, but more
likely to be assoc with N-S faults
than with the main vein

1" 108, 109 SJ 2552 2651 2750 2751 2849(?) 2850(?)

MAIN VEIN, Minera, Denb.
and Esclusham Above

JRE, Bull 14 (1958) 62-63, Plates VI, VII.

Bunchy, swelling in places to rich orebodies.
Calcite quartz with galena, sphalerite
Associated veinlets include MARIAN
STRING (q.v.), WHITE VEIN (q.v.); BUSY BEE VEIN
(known only from underground).

11" 108, 109

SJ 2750 2751

MARIAN STRING, Minera, Denb.

JRE, Bull 14 (1958) 62, Plate VII. . . . Connect
MAIN & RED v's. . . Sphalerite, galena.

1" 108, 109

SJ 275 509

MEADOW SHAFT, Minera, Denb.

See also MINERA M's.

JRF-S (1972) 32. To 1220 ft, reaching
Ordov. to work MAIN & RED V's.
MARIAN STRING joins RED V. from the
W nr. here. At 275 509

JRE Bull 14 (1958) 49. "At 275 510"
Sequence:- quartz, galena, sphalerite;
calcite; chalcopryrite; pyrite; calcite.

OS 2½" map. At 275 509

1"108

SH 902 670

MELAI

Denb.

See also NANT-Y-PLWM M.

OS 6" map shows "Old Shaft (Lead)" above
Melai, at SH 902 670.

1" 108, 109 SJ 25-7 50-3

MINERA ~~MINERA~~ MINES ^{Minera} ~~Wrexham~~, Denb. (I)

See also PARK M'S; LOWER PARK M; NEW MINERA LEAD M; RAGMAN M.
See individual mines & VEINS. MINERA Q'y etc etc

TMH (1868), 74. Carb Lim. (Pb). Galena. "MINERA
UNION M'S"
Wrexham

RSWB et al (1/66) V, 22 Dumps at 260-5, 517-8
calcite; blende; galena; traces
aurichalcite; thin films ?greenockite
on blende. Traces Cu staining (?malachite)
See BOUNDARY SHAFT

OS 6" map shows many mines around
Minera, including "Minera Lead Mines" at
SJ 267 512, and "Silica mine" at 260 513

FJN (1962)⁷⁸ 83. Ca. 12 lodes. Probably worked by the

Romans. Water difficulties acute & mostly idle by 1921 because of this. Separated from the main orefield to the NW by a major fault, & strata $\therefore$ not continuous & not affected by the drainage schemes further N. A drainage level started on 1766, another in 1845. Pumping ceased 1909 when Pb price low & working became uneconomical

WJL (1967) On Pb mines map, p. 205

RH (1853) Listed (Pb)

MINERA MINES, Minera, Denb. (II)

JRF-S (1972) 28-30 general account;

pp 30-37 specific ~~locations~~.

Principal veins all assoc. fractures of the master fault - the RED VEIN ($\sim$ NW, downthrow $\rightarrow$ NE).

MAIN VEIN, 112 to the W, with others as loops & branches further W, including WHITE V., HUSH V. MARION STRING is

between RED & MAIN V. at S end.

RED & MAIN V's unite into one line of faulting S of New Brighton.

DEEP LEVEL started driving $\sim$ 1850, leading to most productive period.

UPPER ADIT LEVEL, portal SJ 265 518, ~800' OD

PARK ADIT LEVEL, portal SJ 271 516, ~700' OD

DEEP ADIT LEVEL, portal SJ 288 502 ~500' OD

SRMRGB 19 (1921) 5, 7, 8, 11, 13, 102-112. Figs 14, 15, 16.

JRE Bull 14 (1958) 61-69, plates VI, VII. Smithsonian

TM Thomas (1961) "Mineral Wealth of Wales". p 195. ^{ceruss}

~~JRE~~ IMM Sympos (1959) WJ Hughes "Note on Pb/Zn
possibilities of the Minera Dist, Denb." pp 247-250
e 254-257

Darlington G, (1862) Mining & Smelting Mag 2, 207,
234 & 269 "Mineral & geol. sketch of the Minera
Mining Field"

MINERA MINES, Minera, Denb. (III)

L. Burch, Russ Soc. News (1991) 21, 9-13 "An Introduction to the geology & Mineralisation of the Minera mining area"

History, geology, details of the veins, mineralisation, minerals, mining details, ugrad workings currently accessible.

MAIN VEIN 279505 - 254522. Galena, sphaler.
RED V. NW-SE. 258524 - 279505, Qtz, Calc, sphaler
MARIAN STRING gal, sphal
WHITE V Ca, Qtz, gal, sphal. specks malachite
in disused E quarry of Minera lime works.
BUSY BEE V., HUSH V., RAGMAN V. (Qtz, Ca),

Rock v (qtz, ca) - oldest workings; SE of Top
Eisteddfod CRAIGBORTH v. branches off to S
w. qtz & gal. on tips.

NW end of workings have qtz, ca, traces galena,
but no sphalerite

Minerals: galena, sphalerite [~ 7000 ppm Cd in
Minera Mine & up to 10% at Park Mine] some w.
yellow porous deposit. quartz, calcite,
chalcopryite uncommon. Supergene
minerals uncommon: cerussite,
aurichalcite

p4 FIELD TRIP u'gd via CABIN SH. ^{large Nailhead} $\rightarrow$ BUSY BEE V. calcite on qtz
Surface: Tips: galena sphal, qtz, calcite,

MINERA MINES, Minera, Denb. (IV)

FURTHER NOTES ON THE MINERA WEEKEND MEETING JUNE 1990

(see Newsletter No.21)

Lionel Burch

RSN(1991) 22

The suite of minerals collected underground at Nant-y-Ffrith (Wedding Cave) on Saturday 16th June 1990 have been the subject of further investigation, with the conclusion that the following minerals are, or may be, present:-

Linarite: as abundant bright blue coating associated with galena and other secondaries, with distinctive crystals to 4mm on sandstone.

Malachite: associated with linarite on sandstone.

Cerussite: in small crystal groups and sprays, generally to 2mm or less;

Other minerals possibly present include:

caledonite, anglesite, beudantite, brochantite and pyromorphite.

The site is clearly deserving of a more detailed study, which I intend to do, and to confirm the above mineral occurrences.

An underground visit to workings on the Busy Bee Vein at Minera on 11th August by John Cooper and myself resulted in the location of a pocket of pale blue clear baryte crystals. This clearly negates the assertion in literature connected with the Minera Mines that baryte does not occur. The baryte was found associated with black or very dark brown sphalerite crystals, again unusual as sphalerite from this location is frequently red in colour.

It is my intention to further investigate both sites, and hopefully produce a more complete write-up of the geology and mineralogy at a later date.

RSN (1994) 24
Minera Mine, Minera, Wrexham, Clwyd

A party of eight went underground via Cabin Shaft after lunch. The party split in two, one group went to the NW the remainder went to explore workings to the south.

After squeezing through some fairly tight passages, reasonable red sphalerite associated with yellow hemimorphite was found on White Vein. Moving on from this locality, large stepped nailhead calcites were seen in a large chamber near to Machine Shaft. I took this opportunity to explore flat workings not previously visited which may hold considerable promise.

The other group led by John Cooper found reasonable bladed baryte associated with sphalerite. In addition this group went on to explore new workings to the SW, eventually getting to an inset in an 80ft shaft which may well give access to lower workings which have been inaccessible for at least 10 years.

We would like to thank the mine owner Bob Williams for allowing the Society access underground.

M Rothwell (1998)
BMSN 50 2-5
Minera: sphalerite,
quartz, calcite,
cerussite, hemim.,
smithsonite.

Bwlch-gwyn M.: See
Separate card

MINERA MINES, Denb, Wales (V)

RSN(1978) 33, 13. SJ 260520 Field trip.

2 major NW-SE veins, RED & MAIN V. Entered via Cabin Sh. on BUSY BEF V - 30ft electron ladder pitch.

Ruby sphalerite Hs on quartz; hemimorph;
smithsonite, "Cd sulphides". Ian Dossset found
erythrite & poss cinnabar.
calcite. Nailhead

1" 108, 109

SJ 259 524

CENTRAL MINERA M., Minera, Denb.

See also MINERA M's.

JRFS (1972) 31 Old shallow trial on
NW end of RED VEIN.

1" 108, 109

MINERA QUARRY, Minera, Denbs

55

25-26

21-22

2551

2552

2651

Russ Soc Newsl (1991) 21. Working. Party
visited exposure of quartz & calcite on
MINERA MAIN VEIN. Then to working area:-
massive galena, minor cerussite. Calcite;
large nailheads & a few scalenohecta
(unusual for the area), with nailhead termin's.
RAGMAN V. examined in the disused
Eastern Q'y.

p.11. In article by L. Burch. Specks malachite
with calcite, quartz, galena, sphalerite in
WHITE V. exposed in disused Eastern

Q of the Minera Limeworks

**12 June 1993 Minera Quarry, Minera,
Wrexham, Clwyd** RSN (1994) 24

15 people turned up at 10.00am, to be met by the quarry Deputy Manager, Mr D I Jones. The party was transported by minibus into the working area, where it was noted that substantial changes had taken place since our previous visit 3 years ago. The mineralised island in the centre had been removed, with the quarry faces pushing back towards the southern boundary. The unconformity with the underlying Ordovician had been contacted in the quarry floor where it had been found to have a highly irregular surface.

Torrential rain over the preceding 36 hours resulted in highly unstable quarry faces, which unfortunately could not be inspected. Some calcite with chalcopyrite and malachite was noted on joint faces in the working area.

Before departing a small group went to investigate an outcrop of the Main Vein in the disused section of the quarry. Galena, calcite and quartz were evident, with one block revealing aurichalcite. A large vugh containing large nailhead calcite crystals on quartz was also located and after shifting some large limestone blocks a few specimens were obtained.

We would like to thank Tarmac and the management of Minera Quarry for allowing this visit to take place and for providing a useful handout and transport.

1" 108, 109

SJ 253 525

MINERA UNION M., Minera, Denb.

See also MINERA M's.

JRF-S (1972) 31
194h cent.

Old workings, closed mid

1" 108

SJ 143 661

MOEL ARTHUR, Llandyrnog, Denb.

See also PEN-Y-MYNYDD.

JRF-S (1972) 15. Trials for gold, in
quartz veins in Ludlow strata.
~ mid 19th Cent. Much work done,
evidently unsuccessful.

MOEL UNBEN, Llanfairtalhaiarn, Denb.

JRF-S(1972)12.

Level, ~ 900' OD, into

W slopes of hill; prob. trial for
Pb, Cu ones in veins in Ludlow seds.
Unsucc.

1" 108, 109 SJ 2225 5590

MOUNT PLEASANT MINE, Llanarmon, Denb.

See also GRAIANRYD

WJL(1967) On Pb mines map, p. 205.

OS 6" map shows "Old Shaft" at SJ 2225 5590,
near Mount Pleasant (224 558)

NANT ADDA LEVEL, Llanarmon, Denb.

See BOG MINES; PANT-Y-GWLANOD V.

1" 108, 109 SJ N 26 48?

NANT MINE, Esclusham Above, Denb.

WJL (1967) On Pb mines map, p. 205

1" 108, 109

SJ 284 502

NANT MINERA, Esclusham Above, Denb.

See also MINERA M's.

JRF-S (1972) 34

Surface trials in
Cefn-y-fedw sandstone, prob. for SE
contin. of Minera V's. No reports seen.

NANT UCHAF

Abergele

Dents.

See also TY'N-Y-CAEAU

FJN (1962) 100.

Ca 1880 a mine was opened in the Carb. Lim. at Nant Uchaf near Abergele where Mn ore occurred in assoc. w. haematite, but short-lived, & only produced just over 500 tons ore.

A. Strahan (1885) "Geol. of Rhyl..." p55, 56 Nant Uchaf mine ~~was~~ ~ 2 ml SW of Abergele - haematite, pyrolusite w traces of Co.

1" 108, 109

SJ 244 497

NANT-Y-CWM-MAWR, Renycae, Denb.

JRF-S (1972) 35. Shallow trials on
a vein in l'st, 11e with GWTER-SIANI
VEIN (a little N of W).

SRMRGB 19 (1921) 114.

1" 108, 109

SJ 2453 2553 2653 2654 2754 2854

NANT-Y-FFRITH VALLEY, Denb. (e Flints)

See also COED MAWR (Flints); MINERA MINES

Russ Soc Newsletter (1991) 21

A split occurred at Bwlchgwyn, with those members with caplamps going to seek underground adventure in Nant-y-Ffrith. After some searching, and a steep walk along a pleasantly wooded valley, they found instead, some flat workings for galena in Cefn-y-Fedw Sandstone, of Namurian age. The mineralisation appears to be more of a series of intersecting veinlets comprising mainly quartz and galena. A detailed search of the flats revealed a number of secondary minerals, including cerussite, malachite, linarite, possibly pyromorphite and possible anglesite. A blue/green mineral (as yet not identified), possibly a copper/zinc secondary was found by myself. ("L.B")

Could be "Old level (Pb)" at 2685 5430, on S side of valley in Brymbo parish, Denb., or Coed Mawr near 265 543 on N side, in Llanfynydd parish, Flints.

The former more likely?
The Coed Mawr loc is described as trial shafts

1" 108

SH 930 660

NANT-Y-PLWM MINE, Llansannan, Denb.

See also MELAI

AA Archer N-F (1959), 262. Ca. 2 $\frac{3}{4}$ ml S of Llanfair-Talhaiarn.

Said to have closed in 1895. N-S lode, with

calcite; quartz; galena; chalcoprynite; possibly dolomite.

OS 6" map shows "Old Shaft" and a "Level" in
~~Nant-y-plwm~~ Nant-y-plwm dingle at SH 928 661-930 660
Further W, an "Old Shaft (Copper)" is shown at
SH 915 662, near Cefn-y-groes-fawr [qv].

WJL (1967) On Pb mines map, p205

D. Charlton, Priv Comm (12/76) Entered by side-adit
Nice stopes. Cuprite, micro xls; malachite,
aurichalcite, dolomite.

JRF-S (1972), 13-14. 929 660. Vein a little
W of N in Wenlock seds. galena,
chalcopryrite, malachite in broken
country rock cemented by calcite &
quartz. Active to 1896. Level
driven N to vein at ~ 600' OD, with
several shafts on vein line to the N.

SRMRGB 23, (1922), 46-47.
SRMRGB 30, (1925), 53.

1" 108, 109

SJ 271 508

NEW BRIGHTON, Esclusham Above, Denb.

See also MINERA M's.

JRFS (1972) 33
in Cefn-y-fedw

Surface trials for Pb
sandstone. No details known

1" 108, 109 SJ 279 509
278 508

NEW MINERA LEAD MINE, Minera, Denb

See also MINERA ~~minera~~ M's etc.

OS 6" map shows "New Minera Lead Mine" at ^{279 509}~~277 513~~

WJL (1967) On Pb mines map, p. 205.

JRF-S (1972) 33 SJ 278 508. Shaft
(NEW MINERA = BURTON'S SH.) to 940 ft;
latest development in the area,
serving RED & MAIN v. workings, to
~350 yds depth - one still at bottom.

1" 108, 109

SJ 2550 2650

NEW SOUTH VEIN, Escluskam Above, Denb.

JRE, Bull 14 (1958) 67, Plate VII.
No details known.

PANDY, Llansantffraid Glynceiriog, Denb.

See also HENDRE MINE, Q'y; GLYNCEIRIOG.

GR 5/70 Dump on E side of road at
SJ 198365 has quartz, some xls. - actual
slate quarry/mine is on W side, behind
bank - private ground [ie GLYNTRAIAN parish]

PANT-CELYN, Cefn, Denb.

See COED-CELYN

1st 108, 109

SJ 2059 2060

PANT-DŨ CROSSCOURSE, Llanferres, Denb.

1" 108, 109

SJ 204 596

PANT-DU MINE, Llanferres, Denb.

See also PANT-DU VEIN

JRFS (1972) 18. Pant-du vein, NW, in
limestone worked at ENGINE SH. to
420 ft. Abandoned 1851.

SRMRGB 19 (1921), 97.

JRE, Bull. 14 (1958), 57-58.

108, 109 SJ 185 604 - 218 587
1860 1959 1960 2059 2158 2159

PANT-DU VEIN, Llanferres (also Nercwys) Denb.

See also WAEN-LAS M., SHONELL'S SH., GOODWIN M.,
PANT-DU MINE

W - Ca, galena eg Waen-las sh, 1975 6010

E - flint (ext into Flmb). eg E Pant-
du sh., 2135 5905

JRF-S (1972) 17-18. Vein strikes NW, in
limestone.

JRE Bull. 14 (1958) 57-58, Fig 2. The W part
has galena in calcite eg at WAEN-LAS¹
SH. 1975 6010; the E part has also

fluoride.

1" 108 SH 923 758
PANT-IDDA, Abergelle, Denb.

JRF-S(1972) 7 Trial shaft for lead ore
on fault betw Wenlock shales (W wall)
& Carb. basement beds. Unsucc. On 6" OS map

1" 108

SJ 202 571

PANT-Y-GWLANOD MINE, Llanarmon, Denb.

OS 6" map Denb 20 SW shows "Pant-y-gwlanod
mine" at 202 571

1 108, 109

S J 202 S 11
1957 2056 2057 2156

PANT-Y-GWLANOD VEIN, Llanarmon-yn-Ial, Denb.

JRF-S (1972) 23: S branch of BRYN-HAIDD v., ~ NW
Mostly worked w. WESTMINSTER M.
WEST WHIM Sh., ENGINE Sh., FLAT ROD Sh.

SRMRGB 19 (1921) 98-100.

JRF, Bull 14 (1958), 59-60: Calcite, with galena,
sphalerite and fluorite. Enough
baryte to interfere with one dressing,

but not noticed on tips.

NANT ADDA LEVEL (See BOG MINES) driven from E bank of R. Alyn, nr. Cyfnant Bridge (1875/78) at ~700 ft OD as x-cut NE for 230 yds to main fault, which it followed to bifurcation [to WESTMINSTER & PANT-Y-GWL. V's] thence along WESTM ("BRYN-HAIDD") V.

1" 108

SJ 198 560

PARC MINE, Llanarmon-yn-Ial, Denb.

JRF-S (1972) 25. Old, shallow u'gr'd & opencut
workings for lead ore on NW
end of MAES-Y-PWLL vein [qv]

SRMRGB 19 (1921) 101.

JRE Bull 14 (1958) 60-61.

PARC or FUCHASLAS MINE, "Llanrost" Denb.

See under Llanrhychwyrn pH, Caern.

(Raymers' Cat. (1960). Calcite, with marcasite.)

1" 108,109 Around SJ 254 512
Esclusham Above 261 508

PARK MINES, (Minera), A Denb (I)

See also LOWER PARK MINE; MINERA M's etc.; PARK V.

OS 6" map shows "Park Mines (Lead)" around 254 512
and 261 508

WJL (1967) On Pb mines map, p 205

JRF-S (1972) 34 SJ 261 508. PARK V. ~ NW

from Cefny-fedw sandstone at in SE end
into Limestone, & lower Palaeo at NW
end of LOWER PARK M. These often worked

together, esp. in later years.

At NW end, galena in quartz & calcite
[LOWER PARK M.] but towards SE gangue
becomes almost entirely calcite &
sphalerite becomes common, also
some fluorite said to occur.

NEW SH. to 675 ft. Drained by PARK
DAY L. & a branch of MINERA UPPER DAY L.
Last worked 1890.

SRMRGB 19 (1921) 112-3, Fig 14.

Esclusham Above

PARK MINES, ~~Minerva~~, Denb. (II)

See also PARK VEIN

JRE, Bull. 14 (1958) 67, Plate VII.

galena, sphalerite.

3 main shafts: WESTERN, HILL, NEW.

Closed 1890

1" 108, 109 SJ 2451 2550 2551 2650

PARK VEIN, Esclusham Above, Denb.

See also PARK MINES

JRE, Bull 14 (1958) 65-67, Plate VII

Open in structure, with many cavities
in the vein and in the adjacent limestone.
In the NW, mainly galena, in quartz &
calcite; towards SE sphalerite
increases & calcite becomes dominant.
A little fluorite found on tips in
middle section.

Russ Soc News (1991) 21.
in calcite

Reddish sphalerite x/s

1" 108

~ SH 964 682

PENGWERN, Llansannan, Denb.

JRF-S (1972) 12. Veins in Ludlow sedts,
with lead & copper ores, said to
have been found on NW shoulder
of Pengwern Hill.

SRMRGB 30 (1925), 53.

PEN-LLŴYN, Llandyrnog, Denb

See also Tŷ-ISAFF

OS 6" map shows "Old Shaft (Iron)" at
SJ 118 671, near Pen-llŵyn.

JRF-S (1972) 14 At 118 670, old shaft on
line of Vale of Clwyd fault, Carb
Lim on W/Wenlocks to E; a little W
of N. Prob. trial for lead ore.

PENTRE-DU, Llanfairtalhaiarn, Denb.

JRF-S(1972)11. Vein in Ludlow sedts, cont.

to NW of Cu vein of BRYN-NANTLLECH M.
No details known, or pub. refs.

1" 108, 109

55 2059

Llanarmon-yn-Ial

PENTREHOBIN

VEIN, ~~Llanferris~~, Denb

JRE, Bull. 14 (1958) 57 Fig 2

PANT-DŴ VEIN [q.v.]

A branch of
CARREG-Y-COCHION

V. is a small branch.

PEN-Y- GRAIG, Llanarmon Mynydd Mawr, Denb.

? = CHIRK MINE [qv]

OS 6" map shows "old levels" near Pen-y-graig

1" 108

SJ 140 664

PEN-Y-MYNYDD, Llandyrnog, Denb.
See also MOEL ARTHUR

JRF-S(1972) 15. Trials on quartz
veins in Ludlow strata, for
gold, ~ mid 19th Cent. Considerable
effort made.

1" 108, 109

SJ 219 553

PEN-Y-PARC, Llanarmon-yn-Ial, Denb.

JRF-S (1972) 26.

No records.

Trials at unfav. horizon.

1" 108, 109

SJ 2062

PILKINGTON'S VEIN, Llanferres, Denb.

Bull 14 51. Worked through the woods W of
cathole to the riverside cliffs nr Loggerheads
Inn (199 625)

SJ. 200 563

PLAS-DU, Llanarmon-yn-Ial, Denb.

See CREIGIOG M.

1" 108

SH

995 733

PLAS NEWYDD, Cefn, Denb.

See also DINORBEN, PLAS NEWYDD, SCORE M,
BODELWYDDIAN (Flink)

FJN (1967) Map, p 205

OS 6" map: "Old Lead Mine" at 994 733 near
Bryn Hen.

JRF-S (1972) 9 Mine on NE vein in Carb.
Lim., E of & later than, SCORE MINE.
Level from near reservoir, to SW, &
shaft to SW on line of vein.
Lead ore output 1857-1861 recorded.

SRMRGB 19 (1921), 35.

PONKEY

Dent.

See Ruabon

1" 109, 4" 108 Cent. on SJ 251 504

POOL PARK MINE, Esclusham Above, Denb.

See also SOUTH MINERA MINE; MINERA M'S.

WJL (1967) On Pb mines map, p. 205

OS 6" map shows "Pool Park", NW-SE, from
ca 248 507 - 253 503

At 249 506

JRF-S (1972) 34-35, $\wedge$ POOL PARK V, W 35° N &
S. MINERA V, W 55° N cross ~~near~~ in this area.

Quartz, calcite, with galena; sphalerite
not common in NW part, in limestone.

MARY ANNE Sh on S. MINERA V.

WALKER & DIXON'S Sh's on POOL PARK V.

GOMERIAN LEVEL, (ADIT) from SJ 264 483

near CAE-LLWYD [See CWM-MAWR M.] e is
at 390 ft in Dixon's Sh.
Closed 1869.

SRMRGB 19 (1921) 113-114, Fig 14.

JRE, Bull. 14 (1958) 67-68, Plate VII

1" 108, 109

SJ 2450 2549 2550

POOL PARK VEIN, Esclusham Above, Denb.

See POOL PARK & S. MINERA MINES

JRE, Bull 14 (1958) 67-68, Plate VII

No plans, Closed after 1874

NW of POOL PARK SHAFT, [? 259 506], only
quartz, calcite, galena (no sphalerite).

To SE calcite increases at expense
of quartz, and sphalerite at expense
of galena.

Siderite in joints
in limestone w. large productoids
from DIXON'S SHAFT [~ 258 498, SE of
SOUTH MINERA MINE]

Russ Soc News. (1991) 21

Typically reddish attractive sphalerite
vls in calcite.

M. Rothwell (1998) BMSN 50 2-5. On old
tips at SJ 255 503, excellent ruby
red sphalerite (micro-) with qtz &
galena.

1" 108

SH 932 634

PRIDDBWLL, Llansannan, Denb.

JRF-S(1972), 14. Copper ore reported
in Wenlock shales.

SRMRGB 30 (1925), 53.

PWLL-HELYG, Llanarmon-yn-Ial, Denb.

= PWLL-HELI

JRF-S (1972) 20. On NW end of NW
BLAEN-Y-NANT VEIN. Also string on S side?
Old, not v. extensive workings.
Prospects continue to NW as far
as CAE-HARRY (192588)

SRMRGB. 19 (1921), 98.

JRE, Bull. 14 (1958), 59. Small string worked
a little, S of Pwll-helyg cottage (195587).
Arbman

1" 108

SH 938 708

PYLLAU-GLEISION, Llanfairtalhaiarn, Denb.

JRF-S(1972) 10. N-S vein, on GS 1" Old Ser
79 SW, in Ludlow seds., prob. prospec.
for Pb & Cu ores. No details publ.

1" 108, 109

SJ 254 522
255 522

RAGMAN MINE, Minera, Denb.
See also MINERA M's etc.

OS 6" map shows "Ragman mine" at SJ 254 522

JRF-S (1972) 31 255 522. Shallow
workings where RAGMAN V. strikes
away from MAIN V. system towards
PARK MINE.

1" 108, 109 SJ 2452 2551 2552 2650 2651

RAGMAN VEIN, Minera and Esclusham Above, Denb.

JRE, Bull. 14 (1958) 63, Plate VII Well-marked,
but not very rich. Outcrop exposed
at entrance to small q'y at 256520 ~~at~~
shown by old workings ~~N of~~ N of Hafod' 257515
to near Top Eisteddfof 246526.
Quartz, calcite, galena, less sphalerite
(almost abs. in NW).

1" 108, 109

SJ 2552 2652 2652 2750 2751
2849(?) 2850(?)

RED VEIN, Minera, Denb.
& Esclusham Above

JRE, Bull 14 (1958) 61-2, Plates VI, VII.

galena, steely & fine-grained, usually < 4 oz
Ag/ton. Sphalerite

In NW, nr Gwynfryn (258523), quartz > calcite.
p 49-50. AT ANDREWS SHAFT (Plate VII - on
Red Vein), at 267515, mineral sequence is:
sphalerite, quartz, galena, calcite,
sphalerite, quartz, calcite, chalcopryite.

1" 108, 109

SJ

265 516

REID'S SHAFT, Minera, Denb.

See also MINERA M's.

JRF-S (1972) 32.

Ordov. strata.

RED & MAIN

750' deep,
Centre for
V's.

down to
workings on

1" 108, 109

SJ 2452

2552

ROCK VEIN, Minera, Denb.

JRE, Bull. 14 (1958) 64 ~~104~~, Plate VII

Quartz, galena.

Exposed in N face of limestone quarry
at 251522

1" 108, 109

SJ 272 510

ROY'S SHAFT, Minera, Denb.

See also MINERA M's.

JRF-S (1972) 32

To 900ft; serving RED
& MAIN V workings to even deeper.
MARIAN STRING branches from MAIN V.
here towards RED V.

RUABON, Denb.

TMH(1868), 74. Coal-m's. Coal; haematite.

FJN(1962) 91 Clay ironstone worked at Ponkey
nr. Ruabon by bell pits

St. ASAPH, "Denbigh". (Flint)

Is in Flints [qv]

~~T.M.H. (1868), 74.~~ Witherite, in ARS.

(See PENNANT M)

1" 108

SH 993 738

SCORE (= KEFN) MINE, Cefn, Denb.

of BODELWYDDAN (FLINT), DINORBEN, PLAS NEWYDD, KINMEL

JRF-S (1972) 8

Calcite veins in Carb.

Lim. with galena sphalerite. Some
smithsonite, cerussite in upper workings.

2 main veins: BRYN-Y-PIN V., a little N of E;

BRYN-HEN V., ~ NE. Intersect near

WHIM SHAFT (993 738).

V. old, reopened 1836 - 1851.

Descrip. in SRMRGB 19 (1921) 35 is
confused.

SHONE'S SHAFT, Llanferres, Denb.

See also WAEN-LAS MINE; PANT-DU VEIN;

JRF-S (1972) 18. Shaft at SE end of
Waen-las mine on NW-striking
Pant-du vein in limestone.
Waen-las adit meets sh. at 315' deep.

JRF, Bull. 14 (1958) 57.

1" 108, 109

SJ 2595 5135

SILICA MINE, Esclusham Above, Denb.

OS 6" map shows "Silica mine" here.

1" 108, 109 SJ 253 501

SOUTH MINERA MINE, Esclusham Above, Denb.

See also POOL PARK M.; MINERA M's., GWTER SIANI;

WJL (1967) On Pb mines map, p. 205

OS 6" map shows "South Minera" at 253 501

JRFS (1972) 34-35. POOL PARK V., W 35° N and
S. MINERA V., W 55° N cross in this area.

galena, sphalerite in quartz & calcite.
Sphalerite increases $\rightarrow$ SE, ~~resp.~~ in Cefn-y-
fedw sandstone. Closed 1869.

Shaft; GOMERIAN adit level [see POOL
PARK M.]

SRMRGB 19 (1921) 113-114, Fig 14.

JRF, Bull. 14 (1958) 67-68, Plate VII

1" 108, 109

SJ 198 566
vein 1956 2056

TAN-Y-GRIG, Llanarmon-yn-Ial, Denb.

JRF-S (1972) 24 NW vein in l'st, worked
opencast & from shafts, all old.
galena, some sphalerite, in
calcite, some fluorite.
Not active since 1850

SRPRGB 19 (1921), 100

JRE Bull 14 (1958), 60. Calcite; galena;
sphalerite; fluorite

1" 108

SH 906 761

TAN-YR-YWEN, Llandrillo-yn-rhos, Denb.

JRFS (1972) 5

NE baryte vein w. some
galena, in Carb. lim. On Old Ser. GS
1" 79.

SRMRGB 9 (1919), 24.

1" 108, 109

SJ 269 312

TAYLOR'S SHAFT, Minera, Denb.

See also MINERA M's.

JRF-S (1972) 32. To 810 ft, reaching
Ordov. strata; served MAIN vein
workings

1" 108, 109

SJ 202 591

TAYLOR'S VEIN, Llanarmon-yn-Ial, Denb.

JRF-S (1972) 19. NW vein in l^{st.}, of
galena in calcite.
Prospected from high ground at NW
end for $\sim \frac{1}{2}$ ml to SE nr Fron-deg.
Trial shafts along line of vein.

SRMRGB 19 (1921), 98.

JRF, Bull. 14 (1958), 58. Line of old shafts &
opencast. Calcite

1" 108, 109

SJ 246 525

TOP E1STEDDFOD, Minera, Denb.

See also MINERA

JRF-S (1972) 30

Old shallow workings
nr. base of Carb. Lim. ROCK V. &
CRAIG BOETH V., strike NE & unite, then
terminate against a X-vein (N of E).

1" 108, 109

SJ 251 525

TWELVE APOSTLES, Minera, Denb.

See also MINERA

JRF-S (1972) 31. Old shallow workings, on
NW veins. Last active ~1850

TYDDYN MORGAN, Aberg-ele, Denb.

See also CAF'R GWAITH

FIN (1962) 78 Mine at Tyddyn Morgan highly
productive in latter part of 19th Cent.
[Lead] ~~mined~~

JRF-S (1972) 6 Lead ore vein ~ NE in Carb.
Lim. Active 18th Cent.

SRMRGB 19 (1921) 31-3.

Mem GS (1885)

1" 108

~~SJ~~ SJ 040 673
044 666

TYDDYN-UCHAF, Denbigh, Denb.

OS 6" map shows "Trial Shaft (lead)"
at 040 673 and "Shaft" at 044 666.

1" 108 SJ 107 706

Tŷ-ISAf, Aberwheeler, Denb.

See also BODFARI (Flint); YSCEIFIOG (Flint) etc. PEN-LLŴYN.

OS 6" map shows "Trial Level" at SJ 107 706,
above Tŷ-isa^f, ca 1ml E of Bodfari (Flint).

[Probably Iron ore]

1" 108

SH 920 750

TY'N-Y-CAEAU MINE, Abergele Rural, Denb.

See also NANT UCHAF; ABERGELE.

OS 6" map shows "Ty'n-y-caeau Iron Mine" at
SH 920 750

TY'N-Y-CELYN, Llangollen Rural, Denb.

AA Archer, N-F (1959), 263. Working in 1918 & possibly known as "LLANGOLLEN MINE".

Two lodes with baryte & traces galena.

WJL (1967) Map, p237 shows two "Lead mines" just ESE of Llangollen.

JRF-S (1972) 37 Two veins in Ludlow shales & flags, one NNE other ~NS, both of baryte with a little galena.
Tried, 1918-1923; a little baryte produced.

SRMRGB 2 (1920), 87.

SRMRGB 23 (1922), 49.

KCD et al., Mem G.S., War. Pamph. 46 (1945) "Ba minerals..."
pp 120-121.

TY'N-Y-DDOL MINE, Llanfair Talhaiarn, Denb.AA Archer NF (1959), 262 Worked ca 1890, small scale.OS 6" map shows "Levels (Lead)" at Ty'n-y-ddol, at
SH 949 717, 951 717 and 952 715WJL (1967) On Pb mines map, p 205.RSWB (3/70) V 156 Some vein quartz by a
footpath, some xls w. chlomite inclusions
near mud-filled adit at 948 717.
open adit at 9505 7185

JRF-S (1972) 10 Vein ~ NE in Wenlock Shales
tested for lead & poss. Cu ores. Two levels
on vein: Upper, 949 717 ~ 430' OD; Lower,
950 716 ~~to~~ driven N as X-cut ~ 330' OD.
galena, pyrite in quartz & calcite.
✓ 3 tons Pb ore recorded 1886.

SRMRGB 23 (1922)

1" 108, 109 Cont. on: SJ 200 565

TYN-Y-GRAIG VEIN, Llanarmon, Denb.

cf TAN-Y-GRAIG (q.v)

WJL (1967) On Pb mines map, p. 205

Bull 14

NW-SE vein.

Cc Pb Zn F

Tan-y-graig V

1" 108, 109

SJ 2055 2155

VEIN GANOL, Llanarmon-yn-Ial, Denb.

JRE, Bull 14 (1958) 60-61, Fig 2. Calcite,
galena, sphalerite. Worked in
opencasts & shafts. Closed 1884 old
dumps around Creigiog-uchaf (204 556)
and Maes-y-pwll (206 554) suggest that
was fairly productive at these sites.

WAEN-LAS MINE, Llanferris, Denb.
See also SHONE'S SHAFT; PANT-DU VEIN;

WJL (1967) On Pb mines map, p. 205

JRF-S (1972) 17. Main vein is W end
of PANT-DU vein [Flints]; NW strike; 112
veins to NE S; all in Carb. Lim.
To N - WAEN-LAS-BACH V., to S, GARREG-Y-
COCHION V. - shallow workings on both.
Adit ~ 640' OD from E bank of R. Alyn
on Pant-du vein, also shafts. Worked

from here to surface only. Aband.
by 1868.

Galena, in calcite.

SRMRGB 19 (1921), 97.

JRE, Bull. 14 (1958), 57.

1" 108, 109

SJ 1960 2060

WAENLÂS-BACH VEIN, Llanferres, Denb.

JRE Bull 14 (1958) 57.

on this vein ~ 80 yds N of PANT-DŴ VEIN.

WEDDING CAVE flats, Minera, Denb.

See BWLCH-GWYN MINE

1" 108, 109

SJ 254 525

WEST MINERA M., Minera, Denb

See also MINERA M's.

JRF-S (1972) 31.
194th Cent

Old workings, to ~ mid

1" 108, 109. SJ 203 574
2 MINE 1858 1957 2056 2057 2156
WESTMINSTER LODGE, Llanarmon, Denb. (I)

See also LLAN ARMON etc, BRYN-Y-GLOCH, PANT-Y-GWLANOD, BOG-M, BOG EAST M.

FJN(1962)83. Said to have produced ore to the value of £ 3×10^6 Lead ore assumed from Chapter heading

WJL(1967) On Pb mines map, p 205

RH(1853) Listed under "Flinb" (Pb). "WESTMINSTER" MINES

JRF-S(1972)22. BRYN-HAIDD V. splits to SE of Bryn-y-gloch, the N branch being called

BRYN-HAIDD or WESTMINSTER V, the S. as
PANT-Y-GWLANOD V. On N vein:

WESTMINSTER & BOG M's; on S vein, PANT-Y-
GWLANOD. These mines often worked together,
esp. in later years.

WESTMINSTER V. ~ NW, in l'st. galena
sphalerite, in calcite; some baryte; some
fluorite, increasing to SE.

WESTM. M: NANT ENGINE Sh., NEW Sh., CASTELL
ENGINE Sh., ELLIS'S Sh.

Aband. ~ 1857

SRMRGB 19 (1921), 98-100, Plate III

2 MINE
WESTMINSTER LODE, Llanarmon, Denb. (II)

JRE, Bull 14 (1958), 59-60, Plate V

Calcite, galena, sphalerite, fluorite
Deeper workings drained by NANT ADDA
LEVEL (See PANT-Y-GWLANOD V; BOG M's)

1" 108, 109

SJ 2551 2552 2651

WHITE VEIN, Minera, Denb.

& Esclusham Above.

JRE, Bull 14 (1958) 63, Plate VII.

quartz, galena a little
specks of malachite.

Calcite,
sphalerite,

HUSH V. was a flier from the W
side of White V.

1" 108, 109 Near SJ 23 47

WORLD'S END, Llandegla, Denb.

See also BEAN VEIN; EGLWYSEGLE.

OS 6" map shows "Level (Pb)" at 229 477
opposite Plas Uchaf, and "Old Level" at
236 476 near Craigycythraul. A
"level" is also shown across Ruabon
Mountain, at 249 473

1" 109

SJ 33 49

WREXHAM, Denb.

TMH (1868), 74. Coal-m's & Carb Lim. Haematite

1" 108, 109

SJ 247 494

WYNNSTAY MINE, Penycae, Denb.

JRF-S (1972) 35-36. WYNNSTAY VEIN (NWNW)
is crossed here by an ENE vein; in
limestone, which dips beneath 'Cefn-y-
fedw sandstone to the SE.
WYNNSTAY & ~~the~~ YOUDE'S Shafts.

SRMRGB 19 (1921) 114

1" 108

SH 943 750

YSGEIRALLT, Abergelb Rural, Denb.

OS 6" map shows "Old Level (Lead)" at SH 943750
near Ysgeirallt.

JRF-S (1972) 7. Level in Wenlock shales
where fault strikes NW into overlying
Carb. beds.