

FLINTS

WJL (1967) = W.J. Lewis "Lead Mining in Wales" (1967) Cardiff

GeL (1858) Carnelian, on the coast.

A. Strahan (1879) Geol Mag 16 334 Beekite in carb. Lim.

H.L. Terry (1906) Tr. Inst Min Met 15 551 Chest mining.

H. Louis (1923) Ch. e Ind. 252-255, 286-290. Galena averages 5-6 oz ton ^{of Ag}

FM Brewer et al (1955) Geoch. Cosch Acta 8 131. <0.01-0.07% Ge in
sphalerite.

RM(1853) = R. Hunt (1853) Records of The Sch. of
Mines, Vol 1 part IV Lists of Pb ore production
for 1849, 50, 51

JRF-S (1974) "Non Ferrous Mines of Flint"
Ncave Mine Res Soc Occas Pub No7 (91pp)

ANGLESITE

FLINT

Penybryn Sh.

ASBOLITE

FLINT

Moel Hiraddog

AURICHALCITE

FLINT

Pen-y-bryn Sh.

Azimuth

Flints

Hendre Q

Pant Q, Halkyn

BARYTE

FLINT

Pennant M.

" Beekite " = Chalced Flint

Flint

Bituminous minerals

Flint

Bryn-Gwioq M (bitumen)

Mostyn (coal, petroleum)

Brocnallt (petroleum)

CALCITE

Halkyn

Holywell

Talargoch M.

Trelogan M.

Moel Hiraddog

~~Moel-y-Crio~~

Pen-y-bryn Sh.

Milwr mine

Bryn-gwilog mine

Rhosesmor M

Prince Patrick M

Ty Maen (?)

Caerwys

Whitford

FLINT

Bryn-y-gaseg (?)

Pen y Ball (?)

Greenfield

Flint (?)

Hendre Q

Pant Q

Baryte

Pennant M

Elmh

CERUSSITE

FLINT

Fron Fawnog M.

Halkyn

Jamaica M.

Pen-y-bryn Sh.

Gronant M

Claudh H

Silver Rake

Crecas

Llyn-y-Pandy M

Pen-y-Fron M

Rhosesmor M

Pant Q

Thouke

Flint

Halkyn

Moel-y-Gaer

Moel-y-Cria

Chalcedonic silica

Flint

Flint (carnelian, chert)

Greenfield (chert)

CHALCOPYRITE

FLINT

Pen-y-bryn Sh.

Henfryn Hall

W. Holloway M

Boyn-y-gareg (?)

Tyddyn-y-cyll

Hendrie Q

Pant Q

Mael Hiraddog

Cobaltite

Flint

Moll Hiraddog

"Copper ore", unspecified

Flints

Talargoch M
Mwdwl - Eithin

"Copper Oxide"

Flint

Joerg Fawr

Dolomite

Flint

Halkyn M's.

FLUORITE

Halkyn

Moel-y-Gaer

Moel-y-Cri

Pen-y-bryn Sh.

Bayn-gwioq mine

Coid. Cymric

Pant-dû V.

Rhosesmor M

Hendre Q

Pant Q

FLINT

Census

Flint

From Fawcog M

Halkyn

Jamaica M

GALENA, "LEAD ORE" (I)

FLINT

Halkyn, etc.
 Holywell, etc.
 Jamaica M.
 Kilken (Cilcain?)
 Pennant M.
 Talargoch M.
 Olwyn-Goch M.
 Moel-y-Crio
 Rhosesmor M.
 Pen-y-bryn Sh.
 Trelogan M.
 Talacre M.
 Fish M.
 Graig Fawr
 Bodelwyddan
 W Trelogan M

Pen y Fron M
 Llyn y Panddy M
 Mold M
 Prince Patrick M
 Parys Mm
 North Hendre M
 Golden Grove
 Axton
 N. Hendre M
 Bryn Gwilog M
 Caean Ms
 Central Halkyn M

Cheney Rake ()
Chwael Lân M
E Halkyn M
Eytôn's Sl
Fron Fawnog M
Glyndwr M (assumed)
gt Holway Ms
Herward M
Maenbras M(?)
Mitwr M
New Westminster M
Pantymwyn M
~~Pantymwyn M~~

Rlâs Winter M
Rhyd-fudr M
Silver Rake ()
S. Pant-y-gŵf M
Wetrn M
Westminster M ()
Bryn-digul M
Brynford Hall M
Cambria M
Cathole M
Cefn-mawr M

Galena, "Lead ore" (II)

Flints

Celyn Bog M
 Caed-y-garth M
 Dolphin M
 Fron-Haul M
 Jarreg M
 Jelli Loveday
 Gladstone M
 Glol M
 Gors

Gorsedd M
 Grasvenor M
 Gwernymynydd M's
 Hazeltgrove M
 Hendre M
 Hopewell M
 Lloc M
 Llwyn-y-cosyn M
 Merllyn M
 Moel-y-gaer

16

Mount Pleasant Flat
 Mwynbwl M
 N. Henblas M
 N. Prince Patrick M
 Pant-glas M
 Pant-y-buarth M
 Penygroedd M
 Plasnewydd M
 Prysau
 Pwll-y-windan M
 Queen Mountain M

Rhydyrnioyn M.
 St David's M
 Smithy Gate M
 S. Llynypandy M
 Tan-y-ronnen M
 True Blue M
 Valentine M
 Wacco M
 Waen M
 Wagstaffe M
 Wallside M
 Flmb

Galena, "Lead ore" (III)

Flints

Gronant M

Cilcam

Craigymwyn

Peoples Brothers

Billins

Bwlch-yd-dafrwyn

Clwt Militia

Fori

Garreg-boeth

Halkyn Hall

Level Newydd

Long Rake

Maery-eafu

Pant-y-celyn

Pant-y-ffrith

Pant-y-groes

Pant-y-ne

Pant-y-pwll-dwr

Pentire glase
 Penyrhenblas
 Plantation (M)
 Strong Croft
 Winsten
 Pant-dû V.
 Coed Penygelli
 Crecas
 Pant
 Claudh M

Brocnallt
 Greenfield
 Pen-y-ball (?)
 Coed Mawr (?)
 Cefn-Bychan
 Waen Isaf
 Pant Q
 Tyddyn-c-cyll

Goethite

Flint

Moel Hiraddog
Hendre Q

"Limonite" "tironoze" Flints

Graig Fawr ("brown iron oxide")
Trelawnyd
~~Hanfryn ("iron ore")~~

GOLD

FLINT

Moel Dywyll

Moel Llys-y-coed

GOSLARITE

FLINT

Holywell

Galena

Flint

Halbryn

Holypell

Jamaica M

Kilken

Pennant M

Talargoch M

GREENOCKITE

FLINT

Pen-y-bryn Sh.

Hemim

Halkyn
Holywell

HAEMATITE

FLINT

Moel Hiraddog

Bodfari

Ysceifiog

Caerwys

Tyddyn-y-cyll

HEMIMORPHITE

FLINT

Pen-y-bryn Sh.
Holywell

Greenockite

Flint

Halkyn

HYDROZINCITE

FLINT

Pen-y-bryn Sh.

"Iron Ore"

Flint

(Ysceifrog)

Afon Wen

Mostyn

Coed Talon

Leeswood

Henfryn

KAOLIN

FLINT

Halkyn

Malach

Hint

Talargoch M

MALACHITE

FLINT

Talargoch M. (?)

Graig Fawr

Hendre Q

Pant Q

Moel Hiraddog

Mn ore (unspec)

Film.

Henfryn

Marcasite

List

Pen-y-bryn Sh (?)

Trelogan M (?)

Nickelite (niccolite)

Flint

Moel Hiraddog (?)

PHOSGENITE

FLINT

Pen-y-bryn Sh.

Pymbe
Talar goch M
Glan-yr-Afon

Ilant

PYRITE

FLINT

Glan-yr-Afon
Talargoch M.

Halkyn.

Hendre Llanwrda

Moel Hiradlog

Crecas (?) ✓

Hendre Q

PYROLUSITE, WAD

FLINT

Moel Hiraddog

PYROMORPHITE

FLINT

Halkyn

Pen-y-bryn Sh.

Gelliffowler

Silver Rake

Qtz

Flint

Haalkyn

QUARTZ

FLINT

Pen-ybryn Sh.

Talargoch M
Rhydgated ("Silica")
Holywell
Moel-y-Crio
Bodelwyddan

Pyrom

Flint

Halkyn

Rhodochrosite

Flint

Halkyn

SMITHSONITE

Halkyn

Holywell

Pen-y-bryn Sh.

Milwr M

Talargoch M

Moel-y-Crio

Gronant M

Cilcain

Driniog

Bryn-driniog

Llneer

Pant-y-godidw

FLINT

Trelogan M

Coetia-mawr

Claudh M

Pant

Pentre Halkyn

Pen-y-ball (?) ("calamine")

Holywell ("calamine")

Pant Q

Rhosesmor M ("magnificent")

SPHALERITE

FLINT

Halkyn
Holywell
Pennant M.
Talargoch M.
Whitford
Olwyn-Goch M.
Moel-y-Crio
Rhosesmor M.
Pen-y-bryn Sh.

Bryn-gwilog M
Trelogan M
N. Neddre M

Flints

Ben-y-Fron M
Pant Q

Bodelwyddan

End

Smith

Harkyn
Harkyn

WITHERITE

FLINT

Pennant M.
St. Asaph

Witheite

Flint

Rennant M
87 Asaph

1" 108

ST 137 715

AFON WEN, Ysceifio, Flint

See also YSCEIFIOG; BODFARI

OS 6" map shows "Trial Level (Iron)" at

ST 137 715, just E of Afon Wen.

AXTON MINE, Llanasa, Flint

See also WEST TRELOGAN M

WJL (1967) Shows "Axton" as lead mine, ca WNW of
W Trelogan mine

RH (1853) Listed (Pb)

BILLINS, Halkyn, Flint

See also HALKYN HALL

RH (1853) Listed (lead ore) - "BILLINGS"

OS 6" map shows "Billins" at SJ 195 721,
near Halkyn Hall

1" 108 Around SH 995 748 and
SJ 005 752

BODELWYDDAN, ~~Bentley~~ Flint.. (I)

OS 6" map shows shafts & levels (lead) to
the S of the Military Camp and in the E
part of (ex) Lowther Coll. grounds. = Castle

FJN (1962) 78 Mine derived its ore from
two veins, with several shafts and
an adit. Worked at intervals until
1859. Closed because not drained
by pumps.

WJL (1967) Shown on map, p205

RH (1853) Listed (Pb)

1" 108

SH 99 14, 99 15, 5J

0075 0078

BODELWYDDAN (CASTLE) near Flint, Denb. (II)
of SCORE M. KINMEL, PLAS NEWYDD (Denb)

OS 6" shows "Old Shafts" in grounds vicinity of castle.

RSWB 4/2016 No dumps or shafts seen in area,
but some garden wall of the castle have
blocks to $\sim \frac{1}{2}$ metre of limestone with
many complex drusy vugs lined with
pyramidal quartz crystals, mostly zoned
milky, some clear, about $1\text{cm} \pm$ across,
on which much sphalerite, a little
galena. Presumably derived from
bulldozed dumps assoc. with the shafts.

1" 108

SJ 092 704

BODFARI, ~~Denb~~. Flint

See also Tŷ-ISAFF (Denb); YSCEIFIOG etc.

OS 6" map shows "Haematite mine" at
SJ 092 704, just N of Bodfari.

FJN (1962) 98 Haematite worked

BROCNALLT, Holywell, Flint.

WCSmith, MM(1913) 331. "BROCKNALLT" - petroleum,
galena (T. Kennant)

1" 108

SJ 130 794

BRYN-DIGRIF MINE, Whitford, Flint

WJL (1967) On Pb mines map, p205, "BRYNDIGRI"

OS 6" Flint SNE shows "Old shaft (Pb)" Cent on 130 794

RH (1853) Listed (Pb) "BRYNDIGRI"

BRYN-DRINIOG

Flints

See also DRINIOG

WC Smith (1913) 331

Smithsonite (T. Pennant)

1" 108

Village: SJ 1774

BRYNFORD Flint.

See also individual mines, etc.

1" 108

SJ 187 747

BRYNFORD HALL MINE, Brynford, Flint.

WJL (1967) On Pb mines map, p. 205. "BRYNFORD
HALL (SIR EDWARD)"

OS 6" map. Probably Shaft at 187 747, near
the Hall (Hall at 188 748, Holywell PH)

BRYN-GWIOG MINE, Halkyn, Flint

See also HALKYN MINES, etc. MOEL-7-CR10

OS 6" Flint 9SW Pb mine

E.D. Mountain.

MM 20 212.

Calcite; orange and
red-mauve fluorite, with bitumen
and sphalerite

KCD, SRMRGB 4"F" (1952) 15, & earlier editions.

Sphalerite concentrations from Bryngwioeg
lode had as much as 10% fluorite

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

[PTO]

RSWB, D. Hardman (7/68) V 126. Dumps S of Moel-y-
crio, near 195 692. Calcite ls; galena;
sphalerite; deep purple fluorite, often zoned,
purple outside, colourless centres.

RH (1853) Listed (Pb) BRYN-GWYROG (1849);
BRYN-GWYOG (1850)

M Rothwell (1998) BMSN 50 2-5 Now capped &
a landfill site; after levelling.

BRYNGWYN ESGOB, Tremeirchion, Flints
= PENNANT MINE [q.v.]

1" 108

SJ 1520 7615

BRYN-Y-GASEG, Whitford, Flints.

W.C. Smith, MM (1913) 331 BRYN-Y-CASEG,
chalcopyrite (?); calcite (?), (T. Pennant).

BUTLER'S FIELD, Holywell, Flint.

See COETIA-MAWR

BWLCH-YD-DAUFRYN

Flinb

RH (1853)

Listed (Pb one)

CAEAU MINES, Brynford, Flint

See also HOLYWELL etc RHYD-FUDR M.

OS 6" Flint 9SW: Pb mine - "Caeau Mine" at 19687300

WJL (1967) Lead mines map p 205: OLD [to N] and NEW [to S]
CAEAU MINES

1 108 55 12 12
CAERWYS, Flints

^{also.}
See 1 Y SCEIFIOG

FJN (1962) 98 Haematite worked nr. Caerwys.

WCSmith MM (1913) 331 Calcite at a mine
near "CAERWS" (T. Pennant)

G Maw Geol Mag (1866) 3 253. Tufa.

1" 108

SJ 16 76

CAMBRIA MINE Whitford/Holwell Flints

WJL (1967) On Ph mines map, p 205

OS 6" Flints. Not shown, but prob. near 16,760

1" 108

SJ

205 627

CATHOLE MINE, Mold, Flints.

WJL (1967) Pb mines map, p. 205 shows "CATHOLE"

OS 6" map shows "Old Shafts" in Cat Hole village,
near 205 627

1"108

SJ 19 64

CEFN-BYCHAN, Waen, Flints

Old shaft (lead) on OS maps

1" 108

SJ 21 60.

CEFN-HIR, Gwernymynydd, Flints.

See also LISBURNE Sh. etc.

JRF-S (1972) 17.

vein around

Sh. here (212 609)

Surface trials on MAESHAFN
Cefn-Hir. The Lisburne

not deep enough.

1" 108

SJ 205 630

CEFN-MAWR MINE, Mold, Flint.

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

OS 6" map shows "Cefn-mawr Hall" at 205 630

1" 108

SJ

19/20

65

CELYN BOG MINE, Mold, Flint.

WJL (1967) Pb mines map, p 205, shows
Celyn Bog, SW of Rhydymwyn Mine [9v]

CHENEY RAKE, Halkyn, Flint

See also HALKYN MINES etc GROSVENOR M,
CHWABIL-LAS M

OS 6" Flint 9SW

RH (1853) Listed (lead ore)

CHWAREL LÂS MINE, Halkyn, Flint

See also HALKYN MINES etc; GROSVENOR M. CHENEY RAH

OS 6" Flint qsw Pb mine

1" 108

SJ 1765

CILCAIN, Flinb

WC Smith MM (1913) 331 T. Pennant's smithsonite
loc "Coccoed, near Kilken" is placed here.

OS 6" map shows lead mines near
"CWT COED", Cilcaim pH.; near 185 675

CLAUDH MINE, Brynford, Flink.

cf CLWT MILITIA

WC Smith, MM(1913) 331 Galena, cerussite,
smithsonite (T. Pennant) - "CLAUDH MINE"
perhaps CLAWDD-FFORD (or CORNEL-PYLLE),
Brynford PH.

CLAWDDFFORD MINE, Brynford, Flint

See CLAUDH M.

1" 108

SJ 173 748

CLWT MILITIA, Brynford, Flint
of CLAUDHM

RH (1853) Listed (lead one) "CLWTMILITIA"

-OS 6" map:- "Clwt Militia" SJ 173 748

COED ^{SN}CYMRIC, Halkyn, Flint. 1" 108 SJ 205 619

KCD; SRMRGB 4. "F", 15: Fluorite in E-W vein.

1" 108

SJ 265 543

COED MAWR, Llanfynydd, Flints.

See also NANT-Y-FFRITH VALLEY (Denb.)

JRF-S "Denb." (1972) 27.

Several trial

shafts for lead ore.

SRMRGB 19 (1921) 115

OS maps: on N side of Nant-y-Ffrith valley

1" 108 Cont on SJ 135 763

COED PENYGELLI, Whitford, Flint

W.C. Smith^{MM} (1913) 331 . Lead ore, COED & PEN-Y-GELLI
(T. Pennant)

1" 108

5J 21 59

COED TALON

Flints

See also LEESWOOD

FJN(1962), 91 Ironstone raised, mid-19th Cent

1" 108

SJ 218 670

COED-Y-GARTH MINE, Mold, Flint.

OS 6" Flint 13 NE. Pb mine

COETIA LLYS, Dyserth, Flint

See TALARGOCH M.

1" 108

SJ 182 750

COETIA-MAWR, Holywell, Flint

WC Smith, MM (1913) 331

Coetia-mawr ("QUOITIA
MAWR"; perhaps also the loc. referred to
as "BUTLER'S FIELD") - smithsonite (T.
Pennant)

? COETIA BUTLER

CORNEL-PYLLE MINE, Brynford, Flint

See CLAUDH M

CRAIG FAWR

Flints

See GRAIG FAWR

CRAIGYMWYN

Flints.

cf CRAIG-Y-MWYN MINE, Montgom [SJ 079 286, 1" 117]

RH (1853)

Listed (lead one) "CRAIGYMWYN" under

Flints

1" 108

SJ 1 7

CRECAS, Whitford, Flint
1478

WC Smith, MM (1913) 331

Galena; cerussite;
pyrite (?) (T. Pennant).

1"108

SJ 06 77

CWM,

Flints

Marked, on 1" map

1" 108

SJ 196 736

DOLPHIN MINE, Brynford, Flint.

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

OS 6" map shows "Dolphin" at 196 736

DRINIOW

Flinb

See also BRYN-DRINIOW

W C Smith (1913) 331 Smithsonite (T. Pennant)

DYSERTH QUARRY, Flint

See MOEL HIRADDOG

1" 108

SJ 1745 7685

EYTON'S SHAFT, Holywell, Flint.

See also HOLYWELL etc

OS 6" Flint 6NW

WJL (1967) On Lead mine map p 205 - "EYTON"

1"108

SJ 1276

FFORDD - LAS, Whitford, Flints

shaft marked on OS maps

1" 108

SJ

Flint

FISH MINE, Prestatyn

OS 6" 2SW Pb mine, S of Prestatyn

So why unplaced?

1" 108

SJ 24 72

FLINT, Flints

H.T. Mannington, J. Liv. Geol. Trs. (1889) 9 57

Calcareous deposit, at CEFN ONW FARM.
[not on OS 1" map]

FOEL HIRADDUG, Dysent., Feint.

Se MOEL HIRADDUG.

FOR1

Flint

RH (1853)

Listed (lead one)

T 108

55 216 639

FRON FAWNOG MINE, Mold, Flint.

TMH (1868), 75, (Pb). Census

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

OS 6" map shows "Old shaft (Pb)", centred on
216 639, near Fronfawnog

RH (1853) Listed - FRONFOWNOG. (Pb ore)

1" 108

SJ

22₂

62₁

FRON-HAUL MINE, Mold, Flints

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

OS 6" map. Fron Hall is at 22₂ 62₁,

1" 108

SJ

137. 7815

GARREG MINE, Whitford, Flints.

WJL (1967) On Pb mines map, p 205

OS 6" Flint SNE shows "Old Sh. (Pb)" at 137 7815, near
Garreg (135 778)

1" 108 Cent on SJ 191 672

GARREG - BOETH, Cilcain, Flint

RH (1853) Listed (lead ore) - as

CARRIG-BOETH (1851) and as
GARRIG-BOETH (1852).

OS 6" map Old shaft (lead), cent on 191672
near Garreg-boeth.

GELLIFOWLER, Ysceifiog, Flint.

W. C. Smith, MM (1913) 331; T. S. Traill, Edin Phil J
(1821) 4 246. Large amounts of pyromorphite
at a mine called "GELLI-FOWLER FIELDS,"
Halkyn Mountain.

1" 108

SJ 1465 7390

GELLI LOVEDAY (LYFDY) MINE, Ysceifiog, Flint

WJL (1967) On Pb mines map, p 205 "GELLILYFDY"

OS 6" map shows "Old Shs (Pb)" at 1465 7390 at
Gelli Loveday.

1" 108

SJ

17

76

GLADSTONE MINE, Holywell, Flint

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

056" Flint 6SW Not shown. Probably =
"Old Pb Mine" at 1745 767 or near 172761.

GLOL M., Whitford, Flint.

WJL (1967) On Pb mines map, p 205 - "GLOL"

OS 6" Flint 5NW, 5NE "glol" is a hill, summit
at SJ 1205 782. "Old Sh's (Pb)" shown on 3 sides,
at 1245 7850 (nr. glol Farm); 117 785; 1180 7795.

1" 108

SJ 220 611

GLYNDWR MINE, Gwernymynydd. Flints
= EAST MAESHAFN MINE

JRE Bull. 14 (1958), 55 Nearly on line
of Coed Cynric vein, but no vein-
one worked from 'flats' in Top Flat
Limestone. - very rich to SW in
JAMAICA MINE [q.v.].

OS 6" map. SJ 220 611

1" 108 SJ 08 81

GOLDEN GROVE, Llanasa, Flint

WJL (1967) Map, p205 shows "Golden grove" as a
lead mine.

1" 05 map shows "Golden grove" as an ancient
house, at SJ 088 815.

GORN MINE, Ysceifiog, Flint

See GORS

1" 108

SJ 157 732

GORS, Ysceifiog, Flints.

WJL (1967) Pb mines map, p 205, shows "GORN"
near in this area

OS 6" map shows "Old shafts (Pb)" and "Trial
Level (Pb)" at Gors (at 157 732)

RH (1853) Listed (Pb) - "GYRN"

1" 108

SJ

151 766

GORSEDD MINE, Whitford, Flint

WJL (1967) On Pb mines map, p 205

OS6" Flint 5NE, 5SE. ~~near~~ "gorsedd", near

SJ 151 766

CRAIG FAWR, Dyserth, Flints

See also TALARGOCH M.

FJN (1962) ~~26~~ 27: Strings of lead ore on the rocky sides of Craig Fawr.

W.C. Smith MM (1913) 331 Malachite, CRAIG FAWR (T. Pennant).

Dewey & Eastwood, SRMRBB ~~29~~ 30 (1925) "Cu..." Large vein of brown iron oxide with green lumps of copper carbonate & oxide of copper; There are ancient opencasts N & S of it.

A. Strahan (1885) Mem GS. "Geol of ^{the} Rhyl, Abergell & Colwyn" _{255 0th}

(Strahan p 55) Powerful vein, part of great Prestatyn
fault, SSW, strikes WNW. A 40 yd deep shaft
now fallen in $\rightarrow$ brown decomp iron ore w. green
lumps of carbonate & oxide of copper.
Old opencasts on same vein to N & to S

1" 108

SJ 196 777

GREENFIELD, Holywell, Flint.

GA Schnellmann in AA Archer (N-F) (1959) p 235.

In 1917 a borehole at 196 777 struck
brecciated chert veined with galena-
bearing calcite, 900 ft below sea-level

GRONANT MINE

Flinb.

of TALACRE MINE

WC Smith, MM (1913) 331 galena (gravel ore);
cerussite; black smithsonite, Gronant
mine "near Talacre" or "near Llanasa" (T. Pennant);
i.e. Talacre mine near Gronant, Llanasa pM.

1" 108

SJ 19 71

GROSVENOR MINE, Halkyn, Flint.

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

OS 6" map. Not shown. Probably near or
= Chwarel-lâs mine or Cheney Rake.

1" 108

Centred on SJ 215 624

GWERNYMYNYDD MINES, Mold, Flint.

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

HALKYN MINES, Halkyn, Flint

See also HOLYWELL etc., PEN-Y-BRYN SH., OLWYN-
GOCH M., PANTYMWYN M., MOEL-Y-CRIO, N. HENDRE M.,
PLÂS WINTER M., WERN M., BRYN-GWIOG M., NEW
WESTMINSTER M., WESTMINSTER M., S. PANT-Y-GÔF M.,
CENTRAL HALKYN M., E. HALKYN M., RHOSMOR M.,
SILVER RAKE, CHENEY RAKE, RHYD-FUDR M.,
PARRY'S M., MAEN BRAS M., PRINCE PATRICK M.,
CHWARRELL LÂS M., GROSVENOR M., QUEEN MTN. M.,
WAGSTAFFE M., PWLLYWINLLAN M., HENDRE M., PENYR-
ORSEDD M.

TMH (1868) 75 Carb. Lim. & Mill. Gr. (Pb). Smithsonite;
calcite; cerussite; fluorite; galena; kaolin;
pyromorphite : - "HALKYN MOUNTAINS MINES"

Rayners Cat. (1960) Calcite

Bleende with
dolomite

Rudler (1905) Fluorite, dark-purple interp. cubes.

G & L. (1858) Fluorite, smithsonite; cerussite;
Kaolin

KCD; SRMRGB 4 "F" (1952), 15. Colourless or purple
fluorite a common minor vein constituent,
according to Schnellmann, G.A. (Trans. Inst. Min., Met.
48, 585) at extreme ends of one-shoots, &
carrying pyrite inclusions

OS 6" Flint 9 SW: "Halkyn ~~Lead~~ Lead Mine" at SJ 196 700

WJL (1967) "HALKYN" on Pb mines map, p 205

M Rothwell (1998) BMSW 50 2-5; F, Ca, Py, Qtz, Cepry, Sphal, gal,

FJN (1962) GREAT HALKYN LODE Smiths

Bull Inst Min Met (1940)



G. A. Schnellmann

p 585 - 650 (approximate)

[Submitted April 1939]

Lode No

547 - Some F

576 Traces F, some Pyrite, much ceruss, some angles.

630 Some F in shoot B

635 Traces cupre & oxid. Cu mins.

674 N - Strikes N-S. Rh'chrose py.

674 S Only traces ZnS. ? = E. Hakyn

675 Much F in shoot B. Some py in both shoots.

702 - Strikes NS Rh'ch. much py. traces only ZnS.

Map p595:

A hand-drawn sketch map on lined paper. At the top left, there's a small rectangular box. Below it, the text "Map p595:" is circled. To the right, a horizontal line represents a road or path. Above this line, the label "Pantygof" is written with an arrow pointing down to the line. Further right, the number "702" is written next to the line. Below the main horizontal line, another line branches off to the left, labeled "Halkyn" with an arrow pointing left. Below "Halkyn", the number "675" is written. Further left, another line branches off downwards, labeled "Bryncoch" with an arrow pointing left. Below "Bryncoch", the numbers "656" and "641" are written, each followed by an arrow pointing left. To the right of the "Halkyn" branch, two more lines branch off downwards, labeled "Rhosesmor" and "Penyrorsedd" respectively, with arrows pointing down to them.

Pantygof

Halkyn

Bryncoch

Rhosesmor

Penyrorsedd

702

675

656

641

p601 Flat in lode 675 ^{? = E. Italk} - much galena, fluo.

p606 A little rich in 2 ~~localities~~ localities,
intim ass w the calc.

p607 Sec'y alter.
esp @ intersec of lode 576 with
Bryn Celyn crosscourse.

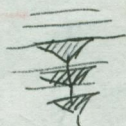
p609 Lodes 596-656 on map.

p627 Lode map.

629 { zoning. Pb/Zn. Ba (Pennant M).
KCD { Outer zone - red haem veins of
in discussion { Cwm, Bur Dyserth, Bodfari, & Abergelle;-
630 { is a little specularite & traces of Cu &
Ni minerals. [Cantrell et al SRMR6B 1X (1912)]

600. Zony Sphal below, gal above.

603 Pipes - in old Hendne M. flat,
following dip of beds.
of gal + ca.



604-5 Galena. xline. cubic cleav. 2.25-6.15 oz Ag/ton
Steel ore; dull grey, hard,
fine grained, richer in Ag. 36-9.3 oz/ton
- always on a plane of post-min. movement,
often slickens. - unk why more Ag.

606 Sphal. v. pale.
Ca - dog e nail gal + sph + ca = 99% of most lodes.

606 Other mins:-

pyrite; marcas. traces cupy.

Fluor, c'less $\rightarrow$ purp; somet
" pyrite incl.

Rhodoch.. [$\checkmark$ supra]



607 Ox zone ~~can~~ usually shallow
w. cer & smiths. Deeper in
spec. cases eg intersec of lode 576
with Bryn Celyn x-course, where
lode convert'd $\rightarrow$ greasy reddish clay
w boulders of galena, & at top of shoot
much earthy ceruss w a few xline
fragments of angles. Zn all removed.

plate XLII = Table XXV

Lode 576 (b75) much corr some angles

630 some CaF_2 in shoot B

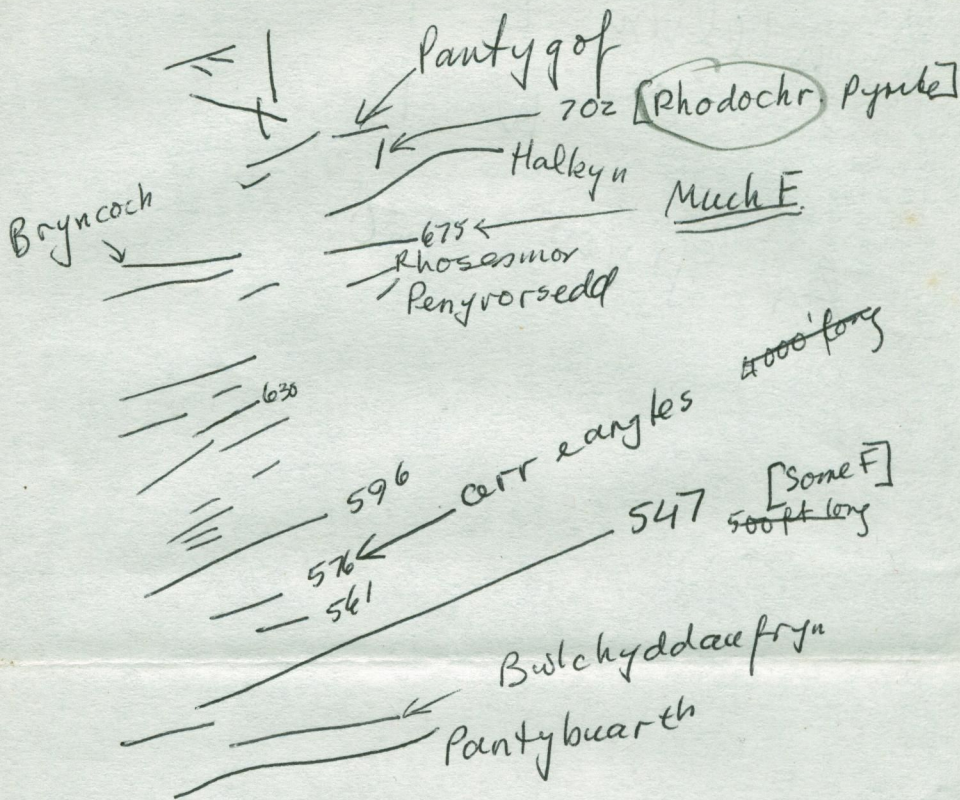
635 Traces cupy & ox cer mins

674 N strikes N-S. Rhodo & pyrite.

675 Much fluor in shoot B.

702 strikes NS Rhodo. much pyr
only traces Zns.

p 595

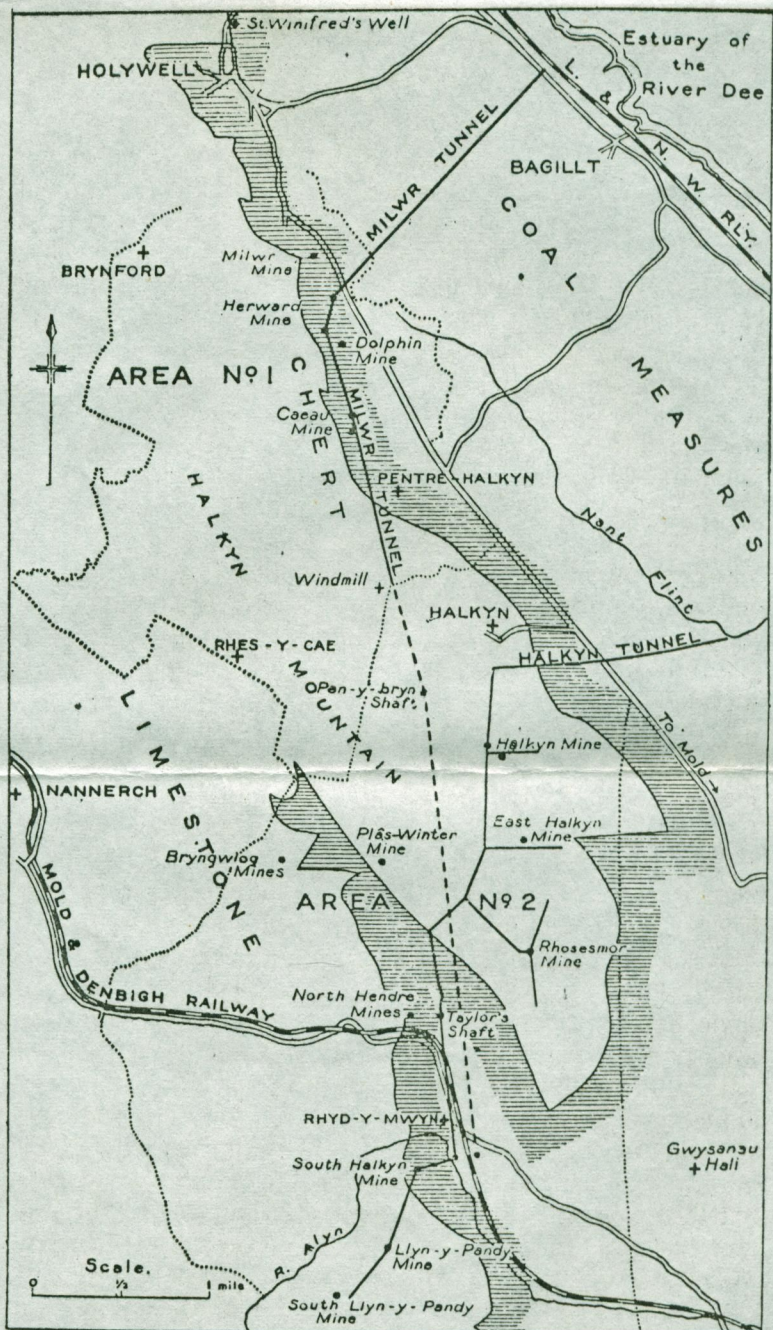


Ch. Eos ^{from} E 178 205 664
 Bryn Glyn W 177 199 663

R. 150 (2 x?)
 for-giving B. 150

Childreute The Fe
 end-men of the Ch-Eos group, is
 a classical but uncommon
 but min. the recorded br locs
 being

Descrip. Matrix p-genesis forms/habit
 1K, x-ray? Anal Mn/Fe.
 20 66 F
 21 68 Much F
 20-21 68 Rh'
 20 69 Rh



Area No. 1: Holywell-Halkyn Drainage-Area. Area No. 2: Halkyn Drainage-Area. The horizontal shading indicates the edge of the Coal Measures.

Fig. 9. The Drainage Tunnel Areas

(Report of the Departmental Committee on the Non-Ferrous Mining Industry, 1920)

CENTRAL HALKYN MINE, Moel-y-Crio, ^{Halkyn} Flint

See also MOEL-Y-CRIO; HALKYN MINES etc SOUTH
PANT-Y-GOF M., WERN M.

OS 6" Flint 9SW

Probably = "PANT-Y-GOF MINE" shown on Pb mines
map of WJL (1967) p. 205. who marks
CENTRAL HALKYN MINE near 1966, Cilcain/Mold PH.

1" 108

SJ 213 694

EAST HALKYN MINE, ^{Northop} ~~Halkeyn~~, Flint

See also HALKYN MINES etc

OS 6" Flint QSE Pb mine

WJL (1967) On Pb mines map, p205.

1" 108

SJ 198 722

HALKYN HALL, Halkyn, Flink

See also BILLINS

RH (1853) Listed (lead ore) - "HALKIN HALL"

OS 6" map shows old shafts (Pb) just SE of the
Hall.

55 19 65

SOUTH HALKYN MINE, Mold, Flint.

See RHYDYMWYN M.

1" 108

ST 224 713
nearHALKYN (DEEP LEVEL) TUNNEL, Halkyn, Flint

FJN (1962) 81. Commenced 1818 at ca 200' OD from the side of a stream at Bryn Moch near Coed y Cra. Cut the important Deep Level lode ca 570' below surface. In 1875 a new company continued the adit for ca 4 ml, meeting several shafts affecting mines between Halkyn M in the N and Llyn y Pandy M to the S, making possible reworking of many mines, &

finding new lodes. Most lodes worked
down to the level of this tunnel
e by pumping, below it, but a
deeper level needed to work deeper
ones - This was the HOLYWELL DRAINAGE
LEVEL [qv]

RH (1853) Listed (lead ore) - "DINGLE & DEEP LEVEL

1" 108

SJ 18 74

HAZEL GROVE MINE, Brynford, Flint

WJL (1947) On Pb mines map, p 205.

OS 6" map. Not shown. Probably near 1874

1" 108

SJ 19 73

NORTH HENBLAS MINE, Brynford, Flints
cf PENYRHENBLAS M.

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

OS 6" map. shows "Henblas" at 193 731

HENDRE MINE, Halkyn, Flint.

See also NORTH HENDRE MINE.

WJL (1967) On Pb mines map, p205.

OS 6" map shows "Hendre Engine Sh." at 1975 6775

RH (1853) Listed (Pb ore)

1" 108 SJ 202.6775
NORTH HENDRE MINE, ^{Halkyn} GLAN-YR-AFON, Flint

See also GLAN-YR-AFON; OLWYN-GOCH SHAFT, HENDRE M
HALKYN MINES, etc.

FJN (1962) 82 Near Rhyd y Mwn (2066)
Had flats of considerable extent, up
to 3' thick, also rich ore pockets.
Lead ore assumed from Chapter heading

OS 6" map. Pb mine, at 202.6775. Also
OLD NORTH HENDRE SHAFT, at 192.682.

WJL (1967) On Pb mines map, p205

RSWB, D. Hardman (7/68) IV 125 OLWYN-GOCH SHAFT,

working, at 202. 6775'. galena; sphalerite

1" 108

SJ 195 678

QUARRY

HENDRE LIME WORKS, Halkyn, Flints.

RSWB, D. Handman (7/68) V 125 Quarry at 195-8
678-9. Limestone, with "fossil-shale"
above, rich in pyrite xls & clusters of
cubes

PTO

R. Soc. N. (1994) 25
Hendre Quarry, Rhydymwyn, Mold, Clwyd
[Grid Ref: SJ 196 677] - 19 June 1994
NWB, Leader: Lionel Burch

Ten members arrived at the quarry offices at the appointed hour. After reporting to the quarry management the party had virtually free access to most of the working areas. The quarry is working Dinantian Limestone, comprising thinly bedded dark grey to black limestone. The beds dip gently to the east. The limestones and shale bands are highly fossiliferous, with well preserved *gigantoproductus* and corals in growth position. A representative suite of very well preserved fossils were collected by some members.

Mineralisation proved to be fairly sparse, dominated by thin calcite veins, a few of which carried scattered fluorite, mainly very dark purple or almost black in colour. Calcite was locally associated with traces of chalcopryite, and malachite was fairly common, sometimes with traces of

azurite. Calcite was found in at least two different forms. Prismatic nailhead crystals, with prisms up to 40mm in length occurred on slickensided fault planes. The other form comprised slender scalenohedral crystals, to about 20mm, associated with some malachite. Pyrite in well-formed cubic crystals to 2mm with calcite was noted. Beautiful striated goethite pseudomorphs after pyrite were also collected.

The quarry is working very close to the site of the old North Hendre Mine, which until the mid 1980's was the last working lead mine in North Wales. The North Hendre Mine originally worked limestone underground, creating a series of vast underground caverns. Most recent workings were for lead, working veins discovered as a result of the driving of the Sea Level Tunnel from Bagillt on Deeside. An overgrown engine house and stack is still present adjacent to one of the haul roads in the quarry.

HENFRYN HALL, ~~the~~ Trelawnyd Flnh.

See also TRELAWNYD

Dewey & Eastwood SRMRGB 30 (1925) "Cu..." Some
chalcoprynite at TYDDYN-Y-CYLL, and
traces at HENFRYN

A Strahan (1885) "Geol of Rhyl..." [As Dewey
& Eastwood 1925]. Also Iron ore (poor, ~30%
Fe) worked at Henfryn in veins a little W
& a little E of N w. a manganimiferous
ochrey clay & traces copper pyrites.

1" 108

SJ 196 741

HERWARD MINE, Brynford, Flint

See also HOLYWELL etc

OS 6" Flint 6 SW Pb mine

1" 108

SJ 1 7

WEST HOLLOWAY MINE, Holywell, Flms
cf GREAT HOLWAY MS (SJ 1876).

Dewey & Eastwood, SRMRGB ~~23~~ 30 (1925) "Cu..."
Chalcopryite

1" 108 SJ 182 7645

GT. HOLWAY MINES, Holywell, Flint

See also HOLYWELL etc

cf WEST HOLLOWAY MINE

OS 6" Flint 6SW Pb mines

HOLYWELL, Flint.

See also HALKYN MINES, etc., HOLYWELL DRAINAGE LEVEL, MOEL-Y-GAER, MILWR M., HERWARD M., GT. HOLWAY M'S., EYTON'S SH., CAEALU M. ST DAVID'S M., CAMBRIA M., HOPEWELL M., GLADSTONE M., TRUE BLUE M., V. PRINCE PATRICK M.

TMH (1868) 74. Carb. Lim., Mill. Gr., & coal-Ms. Blende; smithsonite; calcite; chest; galena; hemimorphite; goslarite.
 [Warner's 2nd, of 1798. 2nd Ed (1800)]

FJN (1962) 80 R. Warner's 1798 tour (1813) Describes Adit at HOLYWELL MINE, driven for 1700 yds, 6' x 4' with 3' deep flowing water, from the bottom of the hill in which the veins

occurred. Commenced ca 1774 - still being
driven in 1798. Traversed by boats.
Describes a cavern "encrusted with spar"
[This is NOT = HOLYWELL DRAINAGE LEVEL ~~9~~ 9v]

GeL (1858) Hemimorphite; goslarite; blende;
smithsonite.

R Warner 2nd Walk [8] 1798 (1800) 211-221 Visit to Holywell
lead mine, entered by water level. [v. supra]. Quartz;
with tinges of sulphur & other minerals [?]; spar;
limestone; chest; galena, & "steel ore" (with Ag);
calamine; blende.

HOLYWELL DRAINAGE LEVEL, Holywell, Flint.

Brit. Cave? & at 185 763. [NUTS! Holywell itself is, but the level commences at SJ 215 760

FJN (1962) 81 Also known as MILWR TUNNEL because it drained Milwr mine, & the SEA-LEVEL TUNNEL as it began near sea level at Bagillt. By 1908, driven 3 mls to boundary of Halkyn mines drainage areas. In 1917 broke into a cavern & temporarily partly blocked by outrush of sand & water! Drainage so efficient it dried up St. Winifred's Well, & affected water supplies. Extended S

until when mining ceased in 1958 it was more than 10 miles long. Was economical for high grade limestone as well as metallic ores!

RH(1853) Listed (Pb) "HOLYWELL LEVEL"

1" 108

SJ 16 76

HOPEWELL MINE Whitford/Holywell Flint

WJL (1967) On Pb mines map, p 205

OS 6" Flint. Not shown, but prob. near 167760.

JAMAICA MINE ~~Mine~~ Flint.
gwernymynydd.

TMH (1868), 75. (Pb). Cerussite; galena.

GEL (1853), 392 Cerussite.

JREarp Bull 14 (1958) 50, 55, Map & p. 52. Jamaica Flat, nr.
Maeshafn. "Much of the ore was carbonate of lead"
Worked from adits, shafts & down-dip headings. Old,
mine-section (1849) shows 3^{main} shafts; LOWES' SH; FRANCIS SH;
DYER'S SH.

RH (1853) Listed (Pb)

WJL (1967) On Pb mines map, p 205

1" 108

ST

2

6

KILKEN, Mold, Flint.

TMH(1868), 75. Carb Lim.

Galena "KILKEN"
[? = Cilcain]

1"108

SJ 27 60

LEESWOOD,

Flints

See also COED TALON

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

LEVEL

NEWYD

Flints

RH (1853)

Listed (lead ore)

1" 108

SJ 212 609

LISBURNE SHAFT, Gwernymynydd, Flints.
See also JAMAICA MINE; CEFN-HIR.

TRF-S(1972)17

LISBURNE sh not deep
enough to prove best ore. On
Maeshafn vein system.

LLINEER

Flinb

W. C. Smith (1913) 331

Smithsonite (T. Pennant)

1" 108

SJ 137 770

LLOC, M. Whitford, Flint

WJL (1967) On Pb mines map, p 205

OS 6" Flint SNE, SSE show "Old sh's (Pb)" to N & S
of Lloc village (137 770)

RH (1853) Listed (Pb)

1" 108

SJ

182 729

LLWYN-Y-COSYN MINE, Ysceifiog, Flint

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

OS 6" map shows "Old Shafts" around Llwyn-y-cosyn
at 182 729.

1" 108 SJ 201 658
LLYN Y PANDY MINE Mold, Flint

See also PEN Y FRON MINE; SOUTH LLYNYPANDY M.

FJN (1962) 80. R. Warner (1813) describes drainage
machinery. Lead one assumed from
chapter heading

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

OS 6" map shows "Old shafts (Pb)" at 201 658
near Llynypandy (house, at 203 656).

R. Warner, 2nd Walk (1800) Llyn-y-Pandû mine, of
P249-253

John Wilkinson, in Allen [Alun] valley, with blue
and white lead ores [galena & cerussite],
the white more in S, blue in N.

p250 Mention of Cefn-Kilken, part of the
Llyn-y-Pandŷ vein. [? Cefn 1866]

p252 Llyn-y-Fron mine adjoins, lower down
river. [∴ probably = PANTYMWYN MINE]

1" 108

SJ 1975 6535

SOUTH LLYNYPANDY MINE, Mold, Flint

See also LLYNYPANDY MINE

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

OS 6" map shows "South Llynypandy mine (Pb)"

at SJ 1975 6535

GA Schnellmann in AA Archer (1959) "N-F" p235

SJ 188711

LONG RAKE

Flinb

SJ 1871 (JRF-S)

188 211

gabena.

RM (1853) Listed (lead one).

1" 108

SJ 187 724

MAEN BRAS MINE, Halkyn, Flint

See also HALKYN MINES etc

OS 6" Flint 9SW

MAERY- EAFU

Flints.

RM (1853)

Listed (lead ore).

MAES WHITFORD, whitford, Flinks.

See WHITFORD

MAES-YR-ERWDDU, Dyserth, Flint

See TALARGOCH M.

MARIAN FFRITH,

Flints

See TYDDYN-Y-CYLL

1" 108

SJ

146 768

MERLLYN MINE, Whitford, Flints

WJL (1967) On Pb mines map, p 205

OS 6" Flmb SNE, SSE show "Old Sh's (Pb)" around
Merllyn (146 768)

RH (1853) Listed (Pb)

1" 108

SJ 193 745

MILWR MINE, Brynford, Flint

See also HOLYWELL etc

OS 6" Flint 6SW Pb mme

ED Mountain

~~MM 21~~ MM 20 212

Calcite (assumed); also

botryoidale amorphous smithsonite

JN (1962) 77 A gas-explosion recorded where
workings approached the Coal Measures

RH (1853) Listed (Pb)

MILWR TUNNEL, Holywell, Flint.

See HOLYWELL DRAINAGE LEVEL

MOEL DYWYLL

Flint

See also LLANGYNHAFAL (Denb.)

OS 6" Flint 12 NE shows Old levels & shaft (Au) on the Clwydian Hills, on Moel Dywyll and Moel Llys-y-Coed, at 148646, 150649, 149642, and 152633, also in Denbighshire nearby, above Llangynhafal (qv)

MOEL HIRADDOG, Dyserth, Flint (I)

FJN (1962) 98 "Foel Hiraddug"—a mine here, with haematite. In clay filling of a steeply inclined water-worn fissure in the Carb. Lim., width 0-10 ft., worked to depth of 240'—small lumps of wad and asbolane as grains & nodules up to hen's egg size.

LSWB & JRK (11/64) IV, 155. Calcite, haematite; ~~hematite~~ goethite & after pyrite(?) cubes & octahedra.

DC Davies (1888) "VOEL MIRADIG".

FW Rudler (1905)

C Le N Foster Tr Roy GS Cornwall (1882 [? or 1887]) 10 107.

Asbolane lumps sometimes have a core
of Co-Ni-ferous pyrite

A. Strahan (1885) "geol of ... Rhyl..." 54-5.

MOEL HIRADDOG, Dyserth, Flint (II)

"Malachite from Dyserth Q'y, Clwyd, North Wales"
WA Bolton (1996) Russ Soc Newsletter 28, 24-5.

"Dyserth Q" on site of old Co mine, which was reported to have asbolite, haematite, (some pseudo-after pyrite & "possibly cobaltite"). In massive haem. blocks were found sulphide cores, mainly pyrite, with ~~some~~ minor cobaltite & chalcopyrite & poss. niccolite.

Q'y is at 062 786 & in 1995 coll from some fallen blocks haematite with sprays malachite to 2 mm diam. in isolated pea-sized vughs. Also botry-

- fibrous goethite
on limestone.

Favor from where ~~of~~ nearby Gröng
mal. is known

1" 108 55 14 64
MOEL LLYS-Y-COED Flint

See MOEL DYWYLL

5 6" Flint 12NE shows Old levels. (Au) on Moel
Llys-y-coed. For details see MOEL DYWYLL

MOEL-Y-CRIO, Halkyn, Flint.

See also CENTRAL HALKYN MINE, BRYNGWIOG M., PLÂS WINTERM

g & L (1858) Fine $2\frac{1}{2}$ " cubes dark amethyst fluorite at
Moel-y-Crio, North Wales~~RSWB, D Ha. (7/68) I, 126. Dumps S of Moel-y-
Crio, at 195 692-3. Calcite xls; galena;
sphalerite; deep purple fluorite, often
zoned purple outside, colourless in the
centre. [This is BRYNGWIOG M, gv]~~WJL (1967) On Pb mines map, p. 205 - "MOELYCRIE"WCSmith MM (1913) 331. Fluorite, clear yellow

cleavage masses, small pale-purple cubes,
and ψ after calcite; epimorphs of
green smithsonite on cubes of purple
fluorite (T. Pennant).

Stuart Clark, Priv. Comm., 7/81 Old dumps &
opencast by village near "Moel-y-Crio"
sign, have weathered & broken specimens
incl. fragments of large xls fluorite, to
2" or more across with thin to
thick deep reddish-purple outer zones
(less blue than at Bryngbiog M), some amber
fluorite. The fluor. has pyritic inclusions.
One good spec $\approx 1\frac{1}{2}$ " sq. purp. fluor cluster
coated w. pale greenish botry smithsonite. Quartz

1" 108 SJ 212 690
MOEL-Y- GAER, ~~Holywell~~ ^{Northop}, Flint

TMH(1868), 75. Fluorite, Moel-y-gaer, Holywell.
~~?2 Moel-y-gaer~~
OS 6" shows "Old Sh. (Pb)" at SJ 212 690 at SE
corner of Moel y Gaer (ancient mound).

1" 108 SJ 208 627

MOLD MINE, ~~Greenarymyrdd~~, Mold, Flint
of PANTYMWYN M

OS 6" map marks "Mold mine (Lead)" at SJ 208 627

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

RH (1853) Listed (Pb) for 1849 as "MOLD MINES"
and for 1851 as "PANTY-MWYN or MOLD MINES"²⁴

MOSTYN, Whitford, Flint.

TMH(1868), 75. Coal-m's. Coal; petroleum.

FJN(1962) 91 Ironstone, raised mid-19th Cent

1" 108 Centred on SJ 216 614

MOUNT PLEASANT FLAT, Mold, Flint.

[NOT= MOUNT PLEASANT MINE, Llanarmon-yn-ial, Denb.]

WJL (1967) Pb mines map, p. 205, shows "Mount Pleasant"

OS 6" map shows numerous "Old Shafts" around
SJ 216 614

1" 108

5J 16 76

MWDWL-EITHIN, Brynford, Flints

Copper shaft marked on map at
167 764

1" 108

SJ 186 670

MWYNBWLL MINE, Cilcain, Flint

WJL (1967) On Pb mines map, p205.

OS 6" map shows "Old Shafts (Pb)" at and near
Mwynbwl (SJ 186 670)

NEWMARKET, Flink

See TRELAWNYD

NEW NORTH HALKYN MINE, Halkyn, Flint

See PEN-Y-BRYN SH.

1" 108 55 202 678
OLWYN-GOCH MINE, ^{Halkyn}~~Rhydyrnwyn~~, Flints.

See NORTH HENDRE MINE

RSWB, D. Ha. (7/68) IV, 125. galena, blende.

PANT

Flints

See also PANT Q'Y

WCSmith MM (1913) 331

Fluorite, galena,

smithsonite (T. Pennant); perhaps

Pant Lode, Halkyn parish.

1st 108

SJ 200 703-5

PANT QUARRY, Halkyn, Flintshire 198 702

See also PANT

R. Soc. N. (1994) 25

Pant Quarry, Halkyn, Clwyd [Grid Ref: SJ
200 703] - 3 July 1994

NWB, Leader: Lionel Burch

On a warm and sultry July day, 13 members and guests arrived at the quarry car park. This was a new venue for the Society and has produced an interesting range of minerals in the past. The quarry is working four benches in thinly bedded Carboniferous Limestone hosting fissure veins, formerly worked for galena during the nineteenth and twentieth centuries. The nearest mine, North Hendre, closed during the 1980's.

The party first examined the top two benches, investigating some calcite veins carrying galena and a little fluorite. Some large blocks of calcite were broken open, revealing small vughs con-

taining finely crystallised malachite sprays with slender crystals up to 10mm long. Some minor chalcopryite was also noted. Traces of cerussite were also found with the galena. A little purple fluorite was found intergrown with the calcite.

The long descent was then made to the lowest bench, while a few members of the party investigated the No.3 bench. In both cases mineralisa-

tion was virtually absent apart from one large block of banded veinstone carrying galena, calcite and purple fluorite.

As recently as November last year, the quarry was producing fine purple and dark blue fluorite cubes, well crystallised sphalerite associated with smithsonite and good galena crystals. However, it would seem that the productive area (for minerals that is) has since been worked through.

Close to the surface on the upper bench, excellent specimens of fossil corals were found, along with brachiopods and gigantoproductids.

RSWB 99-126, purch. @ BMS symposium,
Leicester, 18/9/99: good xls azurite
with altering chalcopyrite xls. on
calcite.

PANT-DÛ VEIN, Nercwys, Flints.
See also under Denbs.

The E end of Pant-dû Vein of Llanferres,
Denb., projects into Flints in square 2158
where is fluorite-rich

RH(1853) Listed (Pb) "PANT-DÛ", under Flints
OS 6" map shows ~~an~~ ~~and~~ shafts "Lead mine"
on or near the vein, cent. on SJ 216 589,
with "New Shaft", and "Engine Shaft"

PANT-GLAS MINE, Mold, Flint.

WJL (1967) On Pb mines map, p205.

OS 6" map shows "Pant-glas" near 209640,
with "Old Shafts" around & about ...

1" 108

SJ 202 641

PANT-Y-BWARTH MINE, Mold, Flint

WJL (1967). Pb mines map, p. 205, shows "Pantybwarth".

OS 6" map shows "Pb mine" at 202 641, at
Pant-y-bwarth.

PANT-Y-CELYN

Flints.

RH (1853) Listed (lead one)

SJ 2070

PANT-Y-FFRYTH

Flints

RH (1853)

Listed - (lead one)

JR F-S

SJ 208701 = PANT-Y-GOF

PANT-Y- GODIDW

Flints

WCSmith MM(1913) 331. Smithsonite (T. Pennant)

PANT-Y-GÔF MINE, Halkyn, Flint.

See CENTRAL HALKYN MINE; PANT-Y-FFRYTH

1" 108

SJ 207 6875

SOUTH PANT-Y-GÔF MINE, Northop
~~HALKYN~~, Flint

See also HALKYN MINES etc. ~~HALKYN & GORFAL~~
CENTRAL HALKYN M.,

OS 6" Flint 9SW: Pb mine.

PANT-Y-GROES

Flints

RH (1853) Listed (lead ore)

1" 108

SJ 208 652

PANTYMWYN MINE, ~~Wales~~^{Mold}, Flint

See also HALKYN MINES etc; PEN Y FRON M(?=)

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

OS 6" map shows "Pant-y-Mwyn Pb Mine" at 208 652

RH (1853) Listed (Pb) for 1851 as "PANTY-MWYN
or MOLD MINES"

SJ 17 75-17 76

PANT-Y-NE (F?)

Flints

RH (1853)

Listed (lead one)

JRFS (1974) lists PANT-Y-NE^Fs:

NEW P-Y-N, 174 752; OLD.. 174 754; SOUTH... 174 760;
NORTH... 174 762

SJ 198 722

PANT-Y-PWLL DWR

Flints.

RH(1853) Listed (lead one)

JRF-S(1974) lib. PANT-Y-PWLL-DWR =
ROWLEY'S RAKE, at 198 722

1" 108 SJ 16, 17, 20, 21
PARRY'S MINE, Halkyn, Flint.

See also HALKYN MINES etc

05'6" Flint 9SW

FJN (1962) 82. A shaft 110 yds deep led to a flat, followed for ca 250 yds. Lead ore assumed from Chapter heading

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

RH (1853) Listed (Pb) "PARRY'S MINES"

PENNANT MINE Tremearchion, Flints

[NB another PENNANT MINE, Montgom] [=BRYNGWYN ESGOB

AA Archer, NF(1959) 262. E-W lode in Wenlock Shale.
~~worked 1878-1880~~ Lode 9-10 ft wide, of baryte,
 with witherite, galena, & blende. Prob. open
 before 1864. Reopened 1913-1920.

WJL(1967) On map, p205

RG Carmuthers et al SRMRGB (1916) "ba..." On main
 road, 3 mi E of St. Asaph [ie SJ 0875]. A
 baryte-blende vein, some galena. Pockets of
 witherite.

JR Foster-Smith "The Non-ferrous Mines of Flints"

p 13 Pennant mine = BRYNGWYN ESGOB,
at SJ 086 754. Adit to E along vein,
from near Pennant View, at ~ 650' OD.
shafts.

Rhualt Remains Scheme. Plans have been put forward to preserve lead and baryte workings and to establish a countryside centre alongside the A55 at Rhualt. They have led to protests from local residents fearful of harm to wildlife.

The Welsh Mines Preservation Trust stated that the Pennant site retains many important features of mining archaeology and that a mine worked for baryte and witherite during the last century is unusual in its own right.

The Clwyd-Powys Archaeological Trust is also in favour of the development and the Welsh Development Agency has stated that grants would be available for restoration and safety.

Eventually the site could be developed further with woodland walks, rare breeds farm, pony trekking centre and bunkhouse accommodation.

Concern has been expressed that the development would be too prominent in an Area of Outstanding Natural Beauty.

Rhualt Mine site

The remains of the baryte/witherite mines at Rhualt, North Wales, have been under threat of reclamation but the Welsh Mines Preservation Trust is taking steps to preserve the site.

1994 NAMHO Newsletter No.25 (GOES)

PENTIRE

GLASE

Flints

RH (1853)

Listed (lead one)

1"108

SJ 200 724

PENTRE HALKYN, Halkyn, Flint.

WC Smith, MM (1913) 331.

Smithsonite (T. Pennant)

1" 108

SJ.

174 757 (Summit)

PEN^mY BALL, Holywell, Flint.

WC Smith, MM (1913) 331. Yellow platy
calcite (?) (T. Pennant).

R. Warner "2nd Wales" (1800) p208 "Calamine", for
Holywell brass-works, from great mines which
cover the top of PEN-Y-BAWN [? = Pen-y-ball],
assoc. w. lead, is first roasted to divest it
of the sulphur with which it is combined.
[By "calamine" does he mean ophalentine or smiths, or hemim...?] P. 107

By "Pen-y-Bawn" he may mean the Halkyn
Mountain range!

PEN-Y-BRYN SHAFT, Halkyn, Flint.

= NEW NORTH HALKYN MINE

See also HALKYN MINES, etc.

RSWB, TBG, JRK etc /64 →Pyromorphite on

chest; galena; blende; good xls, translucent
 brown; calcite scalenohedra; quartz;
cerussite; anglesite; ? aurichalcite;
smithsonite; greenockite, thin yellow
 coatings; fluorite; chalcopyrite;
hemimorphite; phosgenite (IR);
hydrozincite.

4/70 Trace purple fluor. Tvery smoky gr xls embedded in lg stone.
 Sugar-brown calcite with
 mustard yellow-orange fluoresc (UV. Lesw), no afterglow.

KCD; SRMRGB 4 "F" (1952) 15: Fluorite, in E-W vein

OS 6" Flint 9NW: "New North Halkyn Mine" nr SJ 203 707

R.H (1853) Listed (Pb) "PENYBRYN"

WC Smith, MM (1913) 331 Smithsonite; fine
Iceland spar "often elegantly infected
with marcasite" PEN-Y-BRYN M., Holywell
(T. Pennant). According to FW Riddler
(1905) the "marcasite" is prob. chalcopryrite

PEN Y FRON MINE

Mold, Flint

See also LLYN Y PANDY MINE; PANTYRWYN M(?)

FJN (1962) 80. R. Warner (1813) "A Second Walk Through Wales in Aug & Sept 1798" London, describes drainage engines at Pen y Fron mine near Mold, & at nearby Llyn y Pandy mine. Lead ore assumed from chapter heading

R. Warner, 2nd Walk (1800) p 252. PEN-Y-FRON mine, of Mr Ingleby, adjoins Llyn-y-Pandû [LLYN Y PANDY] mine & is a little lower down the river [∴ probably

= PANTYMWYN MINE, 208 652, g.v.] . Has
blue ore [galena] with a little black-jack
[sphalerite] and but a small quantity
of white ore [cerussite].

1"108

SJ 190730

PENYRHENBLAS MINE, Brynford, Flint

of NORTH HENBLAS M.

RH(1853) Listed (Pb one) "PEN-YR-HENBLAS".

1" 108

SJ 211 680

PENYRORSEDD MINE, Northop, Flint

See also RHOSMOR M.

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

OS 6" map shows "Old Shaft (Pb)" at SJ 211 680,
near Penyrorsedd.

PEOPLES BROTHERS (MINE)

Flints.

RH (1853)

Listed (lead ore)

PLANTATION (MINE)

SJ 154 766

Flinh

RH (1853) Listed (lead one)

JRFS (1974) list PLANTATION @ 154 766

PLASAU, Ysceifiog, Flint.

See PRYSAU

1" 108

SJ 152 744

PLASNEWYDD MINE, Ysceifiog, Flint

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

OS 6" map shows "Old Sh¹ Pb" at Plasnewydd, at
SJ 152 744

1" 108

SJ 1995 6915

PLÂS WINTER MINE, Halkyn, Flint

See also HALKYN MINES, etc. BRYNGWIOG M.

OS 6" Flint 9SW Pb mine

WJL(1967) On Pb mines map, p205.

1" 108

SJ 10 77

PLAS-MAWR, Whitford, Flints

Marked on 1" map

PRINCE PATRICK MINE, Halkyn, Flints

see also HALKYN MINES etc.

OS 6" Flint 9SW

FIN (1962) 82. On Halkyn mountain. Opened in 1872, worked for ca 15 yrs producing less than 3000 tons ore. Flats occupied a solution cavity in the l'st; with clay, calcite & galena.

WJL (1967) On Pb mines map, p 205

1" 108

SJ 18 73

NORTH PRINCE PATRICK MINE *Holyw/ysceifog Flint.*

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

06 6" map. Not shown. Prob. near SJ 1873

1"108

ST 163 730

PRYSAU, Ysceifiog, Flint

WJL (1967) Pb mines map, p. 205 shows "PLASAU"
in this area

OS 6" map shows "Old Shaft (Pb)" near Prysau,
the shaft being cent. on 163 730

1" 108

SJ 20 70

PWLLYWINLLAN MINE, Halkyn, Flint

WJL (1967) On Pb mines map, p 205 [somewhere
near Penybryn shaft]

1"108

SJ

20 70

QUEEN MOUNTAIN MINE, Halkyn, Flint

WJL(1967) On Pb mines map, p205, [somewhere
near Rengbryn shaft]

QUOITIA-MAWR, Holywell, Flint

See COETIA-MAWR

1" 108

SJ 212 683

RHOESMOR MINE, Rhosesmor^{Northop Flint}

See also HALKYN MINES & PENYRORSEDD M.

OS 6" Flint 9SE "Lead & blonde" mine

ED Mountain, MM 20 212 Calcite

WJL (1967) On Pb mines map, p205.

Stuart Clark, Priv. Comm., 7/81. Old dumps
around warehouse near playground
opposite pub. [ie ~? 214 686] ✓ have
galena large lumps with greyish
cerussite coatings (some small x/s),

some purple fluorite; "ruby" sphalerite.

R. Starkey, BMSN (1998) 50, 9-13. On p 13. "Truly
magnificent smithsonite coll. deep
underground, in March 1997."

RHUALLT MINE, Tremeirchion, Flint.

See PENNANT MINE

1" 108

SJ 1978 7300

RHYD-FUDR MINE, Halkyn, Flint.

See also HALKYN MINES etc; CAEALL M

OS 6" Flint 9SW Pb mine

1" 108

SJ

2

6

RHYDGALED, nr. Mold

Flints

EW Binney, Mem Proc. ^{M/C} L. Ph. Soc (1851) Ser 2, 9, 306-320

"A descrip. of some supposed meteorites found in seams of coal".

Silica concretions - RHYDGALED, near Mold
[Not found on 1" 108: ? = RHYD-Y-GOLEU, SJ 2365]

1" 108

SJ 205 664

RHYDYMWYN MINE, Mold, Flint.

WJL (1967) Pb mines ^{p. 205} map shows Rhyd-y-mwyn
(South Halkyn) near 2066 and South Halkyn
near 1965 [Cilcain or Mold pk]

OS 6" map shows "South Halkyn and Rhydymwyn
mine (Pb)" at SJ 205 664

ROWLEY'S RAKE,

Flints

See PANT-Y-PWLLDWR

St. ASAPH, Flint

See also PENNANT MINE; TALARGOCH MINE,

TMH(1868), 74, Wittheite, in NRS

W. Phillips (1823) Wittheite

1" 108

SJ 16 76?

ST. DAVID'S MINE Whitford/Holywell Flint

WJL (1967) On Pb mines map, p205

OS 6" Flint . Not shown, but prob. near 167760

SEA-LEVEL TUNNEL, Holywell, Flint

See HOLYWELL DRAINAGE LEVEL

1" 108

SJ 1 7

SILVER RAKE, Ysceifiog, Flint

See also HALKYN MINES SJ 1571

OS 6" Flint 9SW

W C Smith, MM (1913) 331 Pale-green botry.
pyromorphite, with well x-lised cerussite,
on galena (T. Pennant)

188 74

SIR EDWARD MINE, Brynford, Flint

See BRYNFORD HALL MINE

1" 108

SJ 17, 75₃

SMITHY GATE MINE, Brynford, Flint.

WJL (1967) On Pb mines map, p 205

OS 6" map shows "Smithy Gate" near SJ17, 753

STRONG CROFT

Flinb

RH (1853) Listed (lead one)

1" 108 SJ 18?
TALACRE MINE, Gronant, Llanasa, Flint
of GRONANT MINE

OS 6" 2SW. Pb mine, E of Prestatyn

WJL (1967) On map, p 205.

RH (1853) Listed (Pb)

1" 108 SJ 057 800

TALARGOCH MINE, ^{Dyserth} ~~St Asaph~~, Flint.
See also GRAG FAWR

TMH (1888) 74. Carb Lim. (Pb, Zn). Blende; calcite; galena;
pyrite

RSHOBERRK ('64). Malachite (trace) galena, calcite

FJN (1962) 1, 26-27 Roman. 78 Rich, deep mine. NB Water-
worn galena ("gravel ore") in glacial gravel on surface of
E.D. Mountain. Limestone also worked.
MM 20 212 Calcite (assumed) Ruby blende.

WJL (1967) On map, p 205

FW Rudler (1905) "gravel-ore" galena

WC Smith MM (1913) 331.
botry. smithsonite

Fine spec's of yellow
(T. Pennant).

G Maw Geol Mag (1865) 2 428 Quartz sand

RH (1853) Listed (Lead ore) - MAES-YR-ERWDDU, and
COETIA LLYS

A Strahan (1885) "Geol of Rhyl, Abergel & Colwyn" 55-6
Pebbles of copper ore with the gravel
lead-ore according to Dr. Buckland,
(Reliquiae Diluvianae, p 178).

1" 108

SJ

14

77

TAN YRONNEN, M. Whitford, Flint

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

OS 6" Flint SNE Not mentioned. Probably
the "Old shafts (Pb)" near SJ 140 775.

TRELAWNYDFlint.

See also HENFRYN HALL

WC Smith^{MM} (1913) 331 Limonite, Newmarket
parish (T. Pennant). [Name not on current
OS 1" map or 1/4" map by OS gaz. lists
Newmarket, Flint, at SJ 08 79, ie Trelawnyd]

1" 108

SJ 10

80 ?

^{Mr Axton}
TRELOGAN MINE, Llanasa, Flint.

See also WEST TRELOGAN MINE

Rayners' Cat. (1960). Calcite, interpenetrant twins.

OS 6" 2NE Pb mine.

ED Mountain MM 20 212 Calcite, large
yellow rhombohedra with curved
faces - "characteristic"

FJN (1962) 78. Near Axton. Was producing ore
in 1848, & worked until 1909. From 1859-1873
ca 10,000 tons ore raised - ca 74% Zn, page 2n
approaching 90% later

WJL (1967). Map p205 shows "Trelogan" as Pb mine

WCSmith, MM (1913) 331. galena, blende on
massive calcite; marcasite (?);
smithsonite ψ after calcite; - "TRELOGGAN,"
"TRELOGGIN", "TRELOGIN" (T. Pennant)

WEST TRELOGAN MINE, Llanasa, Flint

See also TRELOGAN MINE, AXTON MINE

FJN (1962) 78 Near Axton, with Trelogan mine
[Lead mine assumed from chapter heading]

WJL (1967) Map, p205 shows "West Trelogan" as
lead mine between "Trelogan" & "Axton" mines

1"

SJ 253 588

TREUDDYN, Flint s

OS map shows "Shaft (lead) at SJ
253 588, near Top-y-rhos.

1" 108

SJ

17 76?

TRUE BLUE MINE, Holywell, Flint

WJL (1967) On Pb mines map, p 205

OS 6" Flint 6 SW Not shown. Probably near 17₂ 76₀

1" 108

SJ 071 780

TYDDYN-Y-CYLL

Flints?

or Denb?

A Strahan (1855) "geol of coasts adjoining Rhyl,
Abergele & Colwyn. Also Dewey &
Eastwood SRMRGB 30 (1925) "Cu ores..."

Some chalcoppyrite near Tyddyn-y-cyll,
and traces at Henfryn (SJ 0779)

JRF-S (1974) lists MARIAN FFRITH = TYDDYN-Y-CYLL;
Haematite, chalcoppyrite, lead ore.

TY MAEN

SJ 147 765
Flints

W C Smith MM (1913) 331 Calcutt (?) (T. Pennant)

JRF-S (1974) lists TY-MAEN at 147 765

1" 108

SJ 18 74

VALENTINE MINE, Brynford, Flint

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

OS 6" map. NOT shown. Prob. near 18 74

WACCO MINE, Whitford, Flints.

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

OS 6" Flints 5 SE shows Old Sh (Pb) at 149763
near Wacco House, at 146763) and Old Sh's (Pb)
all around Pant-y Wacco (hamlet, ~~at~~ at 144766)

WACCO MINE, Whitford, Flints.

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

DS 6" Flint 5 SE shows Old Sh (Pb) at 149763
near Wacco House, at 146763) and Old Sh's (Pb)
all around Pant-y Wacco (hamlet, ~~at~~ at 144766)

1" 108

ST 153 771

WAEN MINE, Whitford, Flints

WJL (1967) On Pb mines map, p 205

OS 6" Flint SNE shows a NNE-SSW line of
"Old Sh's (Pb)" beside the road, opposite
Waen (153771)

1"108

SJ 15 73

WAEN ISAF, Ysceifiog, Flints.

Lead mine shaft on OS map at 157731

1" 108

SJ

20

70

WAGSTAFFE MINE, Halkyn, Flint.

WJL (1967) On Pb mines map, p. 205 [somewhere
near Penybryn shaft]

1" 108

SJ 1735 7545

WALLSIDE MINE, Brynford, Flint.

OS 6" map Flint 6 SW shows "Wallside mine (Pb)"
at SJ 1735 7545

1" 108 SJ 20506895

WERN MINE, ^{Northop.} ~~HALKYN~~ Flint

See also HALKYN MINES, etc.

OS 6" Flint 9SW Pb mine.

1" 108

SJ

16, 17, 26 or 27

WESTMINSTER MINE, Halkyn, Flint

See HALKYN MINES, etc.

OS 6" Flint 9SW

RH (1853) Listed (Pb)

1" 108

SJ 20, 70,

NEW WESTMINSTER MINE, Halkyn, Flint.

See also HALKYN MINES, etc

OS 6" Flint qsw Pb mine

WHITFORD, Flint.

See also MOSTYN, Whitford; BRYN-DIGRIF M., GARREG M., LLOC M.,
~~TMH (1868) 75. 2~~ Bleude in Mill. Grt., TANYRONNEN M.,
 GLOL M., MERLLYN M., WAEN M., GORSEDD M., WACCO M.,
 ST DAVIDS' M., HOPEWELL M., CAMBRIA M.; COED PEN-Y-
 GELLI; BRYN-Y-GASEG; CRECAS.

TMH (1868) 75 Bleude, in Mill. Grt

WC Smith^{MM} (1913) 331 Calcite scalenohedra (?) MAES WHITFORD
 (T. Pennant)

WINSTER

Flints

RH (1853)

Listed (lead one)

1" 108

ST 1571

YSCEIFI OG, Flint

See also AFON WEN, BODFARI, Tŷ-ISAF (Denb), PEN-LLŴYN^(Denb)
LASNEWYDD M., GELLI LOVEDAY M., GORS, PRYSAU, SILVER RAKE

OS 6" map shows "Old Shafts (Iron)" at ST 1606, 713,

$\frac{1}{2}$ ml E of Ysceifiog. & Trial Level (Iron) at 137715.

FJN (1962) 98. Haematite worked nr Caerwys