

1" 189

SW 49

392

Wh. RACER, St. Ives, Cornwall

See also ROSEWALL HILL MINES

AKHJ (1961) 18 Small mine, reopened 1907

1" 189 513400 SW

RADIUM MINE, St Ives, Cornwall

H 33

= Wh. TRENWITH (N1) (qv)

Shown on RSWB's $\frac{1}{2}$ " map, at 4k

1" 185

SW 762 548

Wh. RAMOTH, Perranzabuloe, Cornwall.

= REMOTH

See also NORTH Wh. LEISURE

AKHJ (1963) 7. AL. 762 548

Dines (1956), 448 RAMOTH ~~was measured~~ in
dunes $\frac{1}{4}$ mi N of Perranporth. 4 lodes
some meet cliffs.

D B Barton Wh. REMOTH.

BVC (2004) Riv. Comm. Recently shown a childrenite
said to be from a fresh expos. u'ground.
H (2005) spec $\rightarrow$ RSWB 05-40 a, b

H 59

RANSOM UNITED MINE ST. Ives, Cornwall

See ROSEWALL HILL MINE, (H40)

Wh. Raven, Redruth, Cornwall

= W. Tolgus M. See also Wh. Gilbert

1" 189
WHEAL REATH, Towendack, Cornwall
2½" SW 53 504368, 5037 H 29

See Wh. REETH

~~Sn mine~~

Henwood: Wh. REETH; REETH CONSOLS

JC (1871) 49: Wh. REETH, Selant.
chlorite; felspar; cassiterite; chalcocite
mica; schord.

1" 185

Redmoor hamlet SX 07 61

REDMOOR, Lantivory, Cornwall

CMRM (1995) "Wood" and "bird's eye" cassiterite
(REDMOOR PLACERS); gold (REDMOOR PLACERS);

1" 186
REDMOOR CONSOLS, Callington, Cornwall. K 73
Around SX 359 713

Callington & Tawstock area. See also CALLINGTON UTD, etc.

Henwood.

JG (1841), 64: REDMOOR, (Cu, Wkg.) Cassiterite;
chalcopyrite.

SC Goodridge, Geol Mag (1967) 686. Being evaluated (1967)

N Carruth (?) Priv Comm (1987) Childrenite,
REDMOOR MINE, Callington. 359 713
Owen Baker?

A new wulfenite find from Cornwall

RSN (1994) 24

I have recently collected wulfenite underground at Redmoor mine, near Callington, Cornwall. The mineral occurs as thin tabular plates of lemon brown colour to 2 mm (confirmed) in association with good and weathered pyromorphite, some of which is zoned clear lemon coloured, and brown/black, presumably as an interruption to the growth pattern.

The vein I am working on at present is a mixture of quartz spotted with galena, with tongues of galena leading into the killas. In places the galena has altered to a black powder. The pyromorphite and occasional wulfenite occurs in very weathered cavities within the galena in the killas part of the lode. This lode left standing by the old men, I believe crosses into the Holmbush Mine.

A wulfenite/stolzite intermediate was identified on a specimen collected by A.W.G. Kingsbury in 1968 from the Holmbush mine (SX358720) (NHM XRD, J.G. Francis, *pers. comm.*). This mine is only a short distance away from my collecting site and it would seem probable that the lode does indeed travel on into the Holmbush set, although the plans do not show this to be so.

Access to the present locality is by incline shaft some 75 feet below the surface. The conditions are safe and it would make a good site for a future Russell Society trip. Collectors visiting this site should take care not to disturb the bats in the incline shaft.

A specimen of wulfenite will be deposited with the British Micromount Society reference collection.

Steve Brown

1" 190, 189

Cent on SW 70 42

REDRUTH, Cornwall (I)

LJS p139: Torbernite, beautiful xls, nr. Redruth

BM: Danaite, rough large pink tetrahedra, with
quartz, arsenopyrite & chalcopysite
Chalybite vvg
Autunite, platy aggrs on granite

Rutley 15th Ed p158. Pitchblende.

Rudler (1905), 78. Acc'g to the late Mr Garby, masses
of nat. bismuth of some pounds weight have been
found in the soil, near Redruth

p82: "Uranite", emerald green [?: torbernite] on altered granite

p88 Fluorite, pale yellow-green cubes, with iridescent chalcoprynite & quartz

p93 Quartz with chalcoprynite

[692428?]

AKHTJ (1962) 3 12-13 Adits described:

- ① From stream bank nr junction of Old & New Portreath roads S to Tolgus Mill (where 2 branches W towards S. Tolgus mine) then S under Tolgus Place, to Carthew's Shaft in the swampy meadow beyond the Brewery Leat to a point ca 300ft NW of main Brewery buildings
- ② From nr. junction of Cross & Penryn St's, S across foot of Station Hill & behind E side of Falmouth Rd to just short of Sparnon Hill from where long branch E into Wh. Sparnon & E. Sparnon, & by 1841 to Grambler & St. Aubyn. Main adit on S to

REDRUTH, Cornwall (II)

Wh. Buckets & to Perseverance (= Cljah & Wentworth)
in South Downs area.

- ③ Wh. Gordon adit started at Wh. Fat in South
Downs, to Wh. Zausen nr top of Lanner Hill, these
last 2 mines supplied dressing water for
Wh. Sparrow as long ago as 1765.

1" 185

SW 77 55

REEN MINE, Perranzabuloe, Cornwall

See Wh. RAMOTH (7654)

Dines (1956) I, 448 Shafts 1 mi NE of
Perranporth [ie ~ SW 77 55] on 2 lodes.
Copper ore produced, 1832-6

2½" map shows, E (NOT NE) of Perranporth
Higher Reen 773 541; Lower Reen 768 539;
Reen Cross 779 538; Reen Manor 770 543.

Rednuth Consols M., Rednuth, Corn.

See Wh. Alice

1" 189

SW 590 307

Wh. REETH, Germoe, Cornwall

DBB "W. Corn" (1963) 21 Immed W. ♂ GT. WORK M.
Restarted 1926 → 1943

1" 189 SW 504 368
Wh. REETH, Towednack, Cornwall.

or REATH cf Wh. REETH,

See also GIEW MINE; ST IVES CONSOLS, etc. E Wh. REETH

Kenwood : Wh REETH; REETH CONSOLS. Sn mine

JC. (1871) 49, Wh. REETH, Lelant. Cassiterite;
chalcocite. chlorite; felspar; mica;
schist.

DBB (1963) 11. Big Sn mine, working before 1850.

Closed 1867, when below 250 fms.

BILLIA MINE, adjoining (= REETH CONSOLS),
later renamed GIEW MINE (qv).

1" 189

SW 514 375

EAST Wh. REETH (REATH) Lelant, Cornwall

See also Wh REETH etc.

AKHJ (1961) 1 35-36 . Small mine reopened in
1850's - formerly known as Wh. BEAUTY & also
comprising Wh's GLORY & TALENT. Did not last long.

1" 189 SW 60 36
RELISTIAN MINE, Gwinear, Cornwall (I) H 48
See also E. RELISTIAN MINE.

BM: Tennantite with chalcopyrite; chalcocite; copper.

Collins (1871) p 50. Cassiterite; chalcocite; chalcopyrite;
melanconite; pyrites.

Rayners Cat (1960) Cassiterite + chalcopyrite (17/-!)

AWGK, RSC (1964) Botryoidal blende

EAST RELISTIAN MINE. Collins (1871) p 50: Chlorite;
tennantite.

Dewey (1923) RELISTIAN CONSOLS. Cu ones 1832-42

~~1832-42~~

W. Phillips (1823) Arsenopyrite in chlorite

RSWB Viclae (7/93) Nat copper with
cerussite in quartz matrix. Red
hematite staining.

CMRM (1995) Quartz ("floatstone")

R Bell. BMS Newsl 45 13 "Francolite" [carbonate-fluor-apatite]

RSWB 00-112

MM 2000/1 spec to RSWB for ident. Bull tiny
transp v pale yellow elong bipyram xls
IR = OH ~~sulphate~~ arsenate? (unident). XRD (D. Green)
phosphate = arsenogoyazite.

RELISTIAN MINE, Gwinar, COTW. (II)

MM (8/2012) Spec → RSWB for ID: As-free
pyromorphite, sparse tiny green-yellow
prismatic xls. with micro-spherules
(not sampleable successfully - ?).

MM (8/2013) Spec's → RSWB for ID. (IR). Hydrozincite
silky white rad crust on malachite on rock.
Stilbite (or stellerite) cream-coloured compact
bladed. Clinoptilolite, pale brown rhomb-
like.

1" 189

SW 60 36

EAST RELISTIAN MINE, Gwinear, Cornwall.

See also RELISTIAN MINE

JC(1871), 50. Chlorite; Tennantite ✓

1" 185 Cent. on SW 925 575
Wheal REMFRY, St. Enoder, Cornwall (I)

BV Cooper, Priv Comm; spec → RSWB. (1/79)

Working china clay pit. One small
spec turquoise, w. micro-xls to 0.08 mm
(IR).

RSWB Min. Record (1981), 12, [6], 349-353.

V. Rae, spec's → RSWB (9/89) Kaolinite
pseudomorph after a cube
mineral, poss pyrite? One of V.R.'s

spec's shows traces of what could be
striations. No twins seen. so prob
not fluorite for example. Tourmaline
with xls in vugs - brown translucent
xls with ill "hairy" apparently colourless
terminations, the so-called "achroite"
of local collectors; with long prismatic
quartz xls in matrix with pink
felspar xls. [presum. orthoclase]

→ IR Both brown xls char's near Schorlite

Wheal REMFRY, St. Enoder, Cornwall (II)

Russ. Soc. Newsletter 20 (1990)

21st May 1989 Wheal Remfry China Clay Pit, Indian Queens, Cornwall. Colin Sparrow led nine members during this morning visit in ideal conditions. Exposed in the pit is a hydrothermal tourmalinite (tourmaline greater than quartz) breccia. The clasts are angular to sub-angular, variable in size (cm-m) and consist of granite and/or killas. The body represents an explosive magmatic phase of the granite after passing the solidus-liquidus boundary. Such a violent release of the boron-rich fluids may indicate that rupture structure propagated to the surface. With the breccia covered by overburden, collecting was limited to quartz and amethyst, and quartz epimorphs of a cubic mineral. Anatase, cassiterite and rutile have been collected in the past.

25th June 1989 Wheal Remfry Pit, Indian Queens. Maurice Grigg led a party of 8 into the pit where tourmaline (achroite), anatase and microscopic cassiterite were collected at the exposed breccia. On the dumps the boulders containing massive topaz veins yielded the occasional small topaz crystal.

BMSN (1998) 30 15

BMS Coll No. 1960: Topaz

No 1961: Rutile

No 1962: Waylandite

No 1963: Bismutite

CMRM (1995) Wavellite

Russ Soc AGM 4/91

WHEAL REMFERY CHINA CLAY PIT

"ACHROITE (Tourmaline) ✓ SW 925 576
ANATASE
APATITE ✓

CASSITERITE ✓

GILBERTITE ✓

KAOLINITE ✓

MUSCOVITE ✓

QUARTZ ✓

RUTILE

"WOOD TIN" (VARIETY OF CASSITERITE)

BMSN('02) 63

p.10

Anatase,
minute, also
little yellow
to sherry col'd
with autunite

Wh. REMOTH, Perranzabuloe, Cornwall

See Wh. RAMOTH

1" 185

SX 04 63

REPERRY MINE, Lanivet, Cornwall. SA 37

JC (1871), 59: (Sn, wkg.)
cassiterite;

stibnite;
cerussite;

berthierite;
jamesonite.

5x 09 61 1" 186 ~~186~~
RESTORMEL ROYAL IRON MINE, Lostwithiel, Cornwall (I) 10
N. of Lostwithiel

"Restormel" shown on G.R.'s $\frac{1}{2}$ " Cornwall map.

Rutley, 15th. Ed., p. 163, psilomelane (in alternating layers with pyrolusite?); p. 164, manganite

BM: goethite, giant rods; eulytine $\text{Bi}_4\text{Si}_3\text{O}_{12}$, minute brown xls on qtz in cavity in limonitic matrix; pyrolusite, spiky [v. infra (II)]

Turo Mus: "Eulytine" (old spec.) [v. infra (II)]
goethite; bismite; polianite; axinite; plende.
(Hay = pyrolusite)

JC (1871), 62: (Fe, wkg) "Agalmatolite"; amethyst; baryle; bismuth; bismite; goethite; haematite.

limonite; manganite; psilomelane; pyrolusite;
rock xl; zippeite.

Kudler (1905) 65. Named "Royal" after Qu. Vic's visit in 1846.
Great Fe lode in two branches, is a cross-course in
Killas, 15° W of N, dip 70-85°. Main lode in parts > 20 ft
wide. Ore in quartzose veinstone, abounding in
vughs, often lined with beaut. xls. Ore chiefly
haematite with goethite & limonite, occasionally
with black oxide of manganese & lithomarge in
small pockets. p 77: psilomelane
p 97 Red "eisenkiesel" quartz with psilomelane.
103. Lithomarge, var "nestormelite"

RESTORMEL ROYAL Fe M., Lostwithiel, Corn. (II)

AM Clark AG Couper, PG Embrey & EE Fejer²
"Waylandite: new data, from an occurrence in
Cornwall, with a note on 'agnesite'." Min Mag
(1986) 50 731-3.

The "entrytime" of Collins (1881) "Catal. of the min's. in
the Mus. of the Royal Inst'n of Corn." No 2 p 32.

RIC specimens 1588, 1589, & BM spec. 32875
(R. Talling No. 614) (off ARussell spec BM 1964 R
7185 "bismutite") is waylandite Fragments
bismutite present.

CMRM (1995) { "Bismuth ochre"; green quartz; "restormelite"

Russ. Soc. Newsletter 20 (1990) | RSN(1998) 33, 11

6th November 1989 Restormel Iron Mine, Restormel, Cornwall. Bill Eliasson led a party of six to one of the dumps near the river on a farm belonging to the Duchy to whom we are grateful for access. The day was cold, wet and windy and the quality and number of specimens did not encourage a long investigation. Some specimens of massive and botryoidal goethite were obtained but crystalline material proved to be most elusive. According to Dave Lloyd, the open workings further up the hill provides better collecting as do the underground workings accessible from the gunnis. Members please note that unauthorised trips by members of the public have caused some damage and the farmer is adamant that further illegal incursions will result in his refusal to give access to *any* collectors in the future.

Good spec's of usual minerals. "No native bismuth or bismite found this time"

RSN('05) 47, 35 Good descrip of locality.

RSN(1997) 36. Through brambles, etc. to dump - dug goethite (free standing xls); quartz.

RESTORMEL ROYAL Fe X, Lostwithiel, Cornw. (III)

T.F. Cotterell (2010) J. Russ. Soc., 13, 53-56. "An unusual Mn-bearing assemblage from Restormel, Lostw., Cornw."

A spec. labelled "psilomelane" in NMWales (ex RJ King coll.) is of stalact cryptomelane overgrowing pyrolusite containing grains of jacobsite and spessart-andrad garnet.

RESUGGA MINE, St. Stephens, Cornwall

See South TERRAS MINE

1" 190

SW 7 2 or 7 3?

RETALLACK QUARRY, Constantine, Cornwall.

Quarries (1963-4). Igneous rock; working.

1" 185

SW 79 56? A 68

GREAT RETALLACK MINE, Penzance, Cornwall.
See also N. RETALLACK (A 69), PERRAN IRON LODGE

JC (1871), 59 (Pb, Zn, wkg). Blende; galena;
hornblende; silver.

BM: Silver. (Possibly the gr Retallack Mine at
St Hilary [M 11]).

Rayners Cat. (1960) Hedenbergite; arsenopyrite.

Dewey (1923) Retallack, St Hilary. Cinones 1831-36

S. Henley. Proc. Ussher Soc., (1971) 2 329-334 (MA (1972) 23 [3],
207 - 72-2226). "Hedenbergite & sphalerite from

The Perran iron lode, Cornwall". Perran lode
is of brecciated slates, locally cemented by
siderite, quartz, & sulphides. Samples from
Gt. Retallack mine, ca 3 km inland show
replacive hedenbergite in a sphalerite
matrix both veined by serpentine.
Hedenb. chem anal. XRF analys of sphalerite
& white siderite

[Sphal. Zn, 52.5; Fe, 10.5; Cu, 0.2; Mn, 0.3; Pb < 0.2;
Cd < 0.2; S, 33.5; Si, 0.2 [= 97.2]]

CPARM (1995); Actinolite; lepidocrocite;
montmorillonite;

SW 56 31

1" 189 567312 → 569309

GREAT RETALLACK MINE, St. Hilary, Cornwall

M 11

of GT RETALLACK MINE etc, Perranzabuloe; See also HALLAMANNING
2 CROFT GOTHAL.

BM: Silver.

(Probably the gt Retallack Mine at
Perranzabuloe [A 68])

TMH (1868), 41

Limonite; melakonite; pynite;
chalcopynite.

Dewey (1923) 17 Cu ore produced 1831-36.

Also noted as combined with HALLAMANNING
2 CROFT GOTHAL ("RETALLACK MINE, St. Hilary")

1" 185

SW 79 56

A 69

NORTH RETALLACK MINE, Penzance, Cornwall.

See also Gr. RETALLACK MINE (~~A 68~~) (79 56)

JC (1871), 59.

Working.

1" 185

SX 00 64

RETIRE MINE, Lanivet, Cornwall. SA 36

JC (1871), 59: (Fe, wkg). Haematite; limonite.

Wh. Richards, Towednack, Conn

See Trevega Bal

The RILL, Kynance, ~~Cliff~~, Lizard

See KYNANCE COVE

1" 189

2 HEAD

Cove SW 59₂

269

Head SW 59₂ 27

(I)

RINSEY COVE, Breage, Cornwall

See also MEGILLGAR ROCKS; Wh. PROSPER

C. Rogers (1968) Pegmatite: fluor-apatite;
arsenopyrite

RSWB (9/8/87). Loc. for "pegmatite" is on W
side of cove, at SW 591 269. The "peg" has
no clear border/wall etc. zones; no graphic
granite border. One side^(E) abuts against

metamorphics, other against granite-merges?
So is at gran. contact, along ~~the~~ rather than
across it. $\therefore$ Not true peg. vein but late-
generation microlitic granite intruded into
shrinkage break betw gran. intrusion &
metasediments? Quartz (clear) to several cm,
also small, terminated. Most common are
feldspars eg orthoclase in Carlsbad twins to
several cm, creamy white in some parts,
pink in other parts of the outcrop. Mica
(muscovite?) - small brown xls ($\sim \frac{1}{2}$ cm) in glob aggs
on qtz, feldspars. Apatite, ^{clear} pale blue to silky whitish
some w. silky whitish outer zone. Mostly $\leq \sim \frac{1}{2}$ cm.
Schorel - greenish brown, elong. thin $< \sim 2$ cm.

As from 10th March 1966, the address of

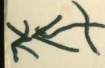
Dr. & Mrs R.S.W. Braithwaite will be

11, Cherry Lane,

Sale,

Cheshire.

Wh Prosper



RINSEY COVE

Micro porphyr pink in places
Coarse microlitic gr. Pink feldsp

Horizontal
slabby
killas

gray
green

pebbles
max 20cm
mostly 5-10cm

RINSEY COVE & HEAD, Breage, Corn. (II)

V. Rae. spec to RSOB, 7/93. Siderite,
glittering drusy coating of brown
tiny "nail-head" prismatic crystals
with a bronzy lustre - RINSEY HEAD.

CMRM (1995) Amblygonite; chalcodony;

M. Merry, spec's → RSOB 9/00. V thin crust
sky-blue powdery to micro botry. } ^{XRD} green
IR = unident (not enough) - arsenate? } ^{CD} = amorphous
Microchem. Present Cu, Ce; Abs CO₃ SO₄ Pb Zn
[cf richelsdorfite ???]. Blackish shiny

sub-metallic blob: - XRD = löllingite

SW 674 436

ROBARTS M., Illogan, Cornwall

BMS Newsl (2000) 56, 7: BMS Coll 2223 ex C. Jewson
siderite.

Wh Robin, Redmuth, Cornw.

See Wh. Gilbert

Wh. ROCK, St. Agnes, Cornwall.

A 28

See WEST Wh. KITTY (A27) - one "Wh. ROCK"
and TYWARNHAYLE MINE - another "Wh. ROCK"

1st 185
ROCHE ROCK, Roche, ^{SW} 99 ⁵⁹ Cornwall SA 4
~~or ROCHE ROCK MINE, see COST ALL LOST MINE]~~

Topaz-tourmaline rock

Parkinson's Cat (1959). Tourmaline, black prisms in
quartz Topaz, pale blue to white granular,
with some schorl.

Wh Rock, St. Agnes, Cornwall

See W. Wh. KITTY

1" 185

SX 01 58

ROCK HILL MINE, St-Austell, Cornwall. SA 67

JC (1871), pl: (Sn, wkg.) Cassiterite.

CMRM (1995) Opal (ROCKS CHINA CLAY PIT);
tourmaline ("achroite")

1st 1985

SW 92 75

ROCK QUARRY, St. Minver, Cornwall.

M.M (1968) 36 874.

Kaersutite,

formerly thought to be
barkevikite, in "minverite"

1" 189

SW 531 314

Wh. RODNEY, St. Hilary, Cornwall.

See also MARAZION MINES, etc. TREGURTHA
DOWNS MINE, PROSPER LTD.

DBB (1963) 17. Once part of ~~the~~ MARAZION MINES,
PROSPER LTD, & TREG. DOWNS MINES.

Reopened 1903-1914 for Sn as "Wh. HAMPTON"

1st 189

SW 363 330-9 (I)

ROSCOMMON CLIFF, St. Just, Cornwall. StJ 58

See also Wh. COCK. BOTTLACK

JC (1871) 48: Asbolite; axinite; erythrite; selenite;
tourmaline.

Gay & Rickson, MM 32 433 (1960). X-ray data
on stokesite, $\text{CaSnSi}_3\text{O}_{11}\text{H}_4$ - a single
crystal exists, at Cambridge.

MM 12 281 Stokesite

RW Barstow (1975) Priv. Comm. Rediscover.

of ~~the~~ stokesite - x 3 spec's - also
from elsewhere in Cornwall ("Long Downs" (?)
1976:- The Roscommon stuff is not - the other is! (PTO)

(~ 363 339x)

AG Couper & RW Barstow "Stokesite crystals in Cornwall, England" Min Record (1977) 8 [4] 294-297. One 4mm part-xl found in Sept 1975 at Wh. Cock Zawn in an almost inaccessible part of sheer cliff on S side of the zawn in axinite rich (xline) vein in lower part of the cliff, worked for spec's by old miners.

To the NE the vein is of massive orange-brown grossular; in Stamps & Jowl Zawn of grossular w. veinlets of calcite & haematite & sporadic axinite. The vein has local well-xlined creamy apatite, shaves & bands of dark green pargasite^(amphib), also xlined epidote, tourmaline, magnetite, pyrite, chalcoppyrite. The axin, amphib, epid & apat are stanniferous (200-950 ppm).

ROSCOMMON CLIFF, St. Just, Cornw. (TT)

N. Hubbard Riv. Comm '90.

Wickmanite, orange-yellow octah. to ~ 1 mm showing parallel growth in axinite pod on S side of Wheal Cock Zawn at SW 363 340.

With massive & euhedral grossular, coarse bladed dark green pargasite, white apatite → 50 mm, titanite, orthoclase, chalcopryite, partly altered to botallackite, + an unident Co mineral.

ROSCOMMON CLIFF:

ACTINOLITE

AXINITE

ERYTHRITE

PARGASITE

WICKMANITE

Russ. Soc. AGM

4/90

ROSCOMMON HEAD:

STOKESITE

About lunchtime Simon returned from Bostraze and seven intrepid collectors were taken under Colin's wing to collect axinite from Roscommon Cliff for the rest of the party. 'Can I come Colin', I asked. He looked me up and down and in the end said, 'if you really want to'. So I did. Eight set off, but as we hit the wind and rain at the edge of the cliff two people decided that their flask of coffee was more to their liking, so Colin ended up with six to get down the rocks. 'Hang on with your right hand', 'Put your foot into here, no here!', 'Swap your feet over - now can I have my hand back!', all instructions from Colin to the group. Eventually we were all huddled into a small gully (man made) looking for brown axeheads through glasses that needed wiper blades and hand lenses that were waterlogged. Good job the crystals were fairly large.

Then we were shown the scam of garnets next to the axinite and one or two collected 'red ones'. Time to pack the rucksacks. Hugh, a gentleman, packed his sack to the brim so that it could be shared out amongst those who had not ventured down. So off we went. "Don't stand on the heather near the edge - you could slide off as it is rather wet" Colin called. Rather wet!! It was dripping down my arms through five layers of

clothing. The rucksacks were hoisted up separately and Hugh's nearly broke the rope it was so heavy. It was on the way up, breath panting, that I wished Colin had stopped to tell us about the rich blue-green vein down on the sea line on the way up so that I could have had a short rest.

On reaching the top, Fred and I went off to collect specular hematite which was on a small dump around the next headland. The rain was, by now, running into the top and out through the legs of my waterproofs, so we stopped under a relatively dry ledge for a cup of coffee and a rather crushed bacon sandwich - leftovers from breakfast. Refreshed, we attacked the boulders with brown iron streaks. It seemed hours before I finally got one - beautiful crystals sparkling in the SUNSHINE! I must have been enjoying myself, not even noticing that the sun had come out. So off came the waterproofs and, whilst they were lying on the rocks drying out, we packed the quartz, calcite and hematite that we had found.

It was now 2-30 pm and we headed up to the car park, taking photos of the site in the now brilliant sunshine. At the car park we met two fellow 'Russellers', whom we joined for a rather belated lunch before heading back to Truro.

Wilma Flintstone. . .
alias Christine Critchley

ROSCOMMON CLIFF, St Just, Cornwall (III)

RSN 23 (1992)

We went to Wheal Cock and on to Roscommon Head. The afternoon was spent working the axinite vein after a bit more rope climbing practice to work our way down the cliff face. Some reasonable specimens were obtained.

Thanks to Colin Sparrow for 'leading' this party of one all day.

Deanna Earl

CMRM (1995)

Grossular (ZAWN A BAL);
prehnite; tourmaline
("achroite")

Wh Rose, Lelant, Cornw

See Wh Providence

1" 185

SW 8355, 8356

Wh. ROSE, Newlyn, Cornwall.

A 74

See also ROSE & CHIVERTON MINE (A 75).

JC (1871), 59: (Pb) galena; pyrite.
"Wh ROSE, Newlyn"

N. Wh ROSE 8356

E Wh ROSE 8355

1" 185

SW 77₈₋₉ 545-9

Wh. ROSE, Perranzabuloe, Cornwall.

See BUDNICK CONSOLS

Dewey (1923) Cu ore produced. (No dates)

Dines (1956) I, 449. Ag-lead [galena]; black tin
[cassiterite]; "brown haematite" [? goethite] (from
gozzan?), Copper ore.

Wh. Rose, Redruth, Corn.

See Wh. Lily.

cf Wh. Rose St. Agnes

WHEAL ROSE, ^{1" 190 72, 450} ~~St Agnes (pt)~~ Cornwall
N of Scorrier gate Stn.

R 12

Shown on G.R.'s $\frac{1}{2}$ " Cornwall map. On 1" 190 also

1st 185 SW 81 53
Wh ROSE, St Allen (nr Newlyn E) Corn.

AKHTJ SW 818 536

Burt et al (1957) put ROSE & CHIVERTON
at this loc. AKHTJ puts
CHIVERTON Wh. ROSE at 801 611

CMRM (1995) Cerussite (Wh. ROSE, Newlyn);

1" 189 637246 SW 637246 M3
WHEAL ROSE, Sithney, Cornwall (I)
= Wh LOMAX

$\frac{3}{8}$ ml. beyond Wheal Penrose SW from Helston Stn. (Wh. P. = $2\frac{3}{4}$ ml)

Rep.
Spec. Min. Res., 21. Galena; pyromorphite; chalybite; quartz;
rugs with scorodite and pyromorphite.
A Roman mine.

Anglesite; phosgerite and laurionite (Min. Mag., 21, 221, (1927));
paralaurionite; cerussite; $\rightarrow$ In geodes of brown and
(P.T.O.) velvety black limonite (? goethite)

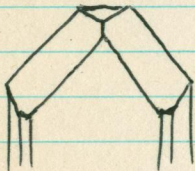
Dundasite (on early 19th cent. specimens.) ^{AR} Min. Mag. 27, 1, (1944)

Penzance Mus: Anglesite.

JC (1871), 55: (Pb). Anglesite; cerussite; chalybite.

galena; limonite; pyromorphite; quartz.

AR MM 21 221 A Spec from J-Hawkins coll., unlabelled but spr.
from Wh Rose: phosgenite on limonite with altered
siderite, ferrug. quartz, a little galena; anglesite;
laurionite.



Laurionite,
Wh. Rose.

A Spec from Brooke Coll, Cambridge supposed
to be from "Wh. Confidence, Newquay" has
also paralaurionite as long narrow thin
plates. W. Phillips coll, L'pool. several phosgenites <sup>Huel
Conf. New</sup>
good anglesite; beaut cerussite.

still obtainable by breaking open geodes
of limonite on small & now (1924?) nearly overgrown dump
at N-most shaft. Pyromorphite in some abundance.

Cont'd II

Wh. ROSE, Sithney, Cornwall (II)

The lode is NS & outcrops on low cliff,
 $\frac{3}{4}$ ml SE of Porthleven. Has limonite, going
to siderite at depth; galena, conky
quartz, a little blende & chalcopyrite.

DBB "W. Corn" (1963) 21. Smaller than PENROSE; working
16th Cent. Closed 1872 at 72 fms.

Rev. V. Holyer (1989) Priv. Comm MS. A prominent
galena lode, NNW-SSE, cuts beach diagonally
adjacent to old sh's of Wh. Rose & is

exposed after storms have removed beach sand. Quartz gangue; abundant cerussite, with anglesite and pyromorphite in vein. Loose ^Nspheres of galena, sometimes assoc w. qtz or siderite on top of the clay underlying the beach sand. Phosgenite in a cavity in a siderite pebble from here.

CMRM (1995) Mimetite

D Clough (1987) BMSN'l 19

G. Curtis (7/3/11) Photo in Mindat
Boleite cubes → no. 2mm rich
on galena-quartz from vein
by adit, "between tides"
on beach, June 2009

1" 185

SW 83 59

ROSE CONSOLS, St Columb Minor, Corn.

1⁴ 185

SW ~~810~~ ~~1011~~ 81 53

ROSE & CHIVERTON MINE, Newlyn, Cornwall. A 75

See also with ROSE (A 74); CHIVERTON (A 47), et al;

JC (1871), 59. Pb (wkg.). Blende; galma.

1" 185

SW 83 55

EAST WHEAL ROSE, Newlyn East, Cornwall

CMRM (1995) galena.

11189
SOUTH WHEAL ROSE, St Just, Cornwall ^{SW 3 3} ^(?) 30

Henwood.

1" 186

SX 273

713 K 123

WEST ROSE DOWN MINE, Linkinhorne, Cornwall.

JC (1871), 64: (Cu), chalcopryite!

1" 189

SW 49 39?

ROSEHILL MINE, St. Ives, Cornwall

cf ROSEWALL HILL M's (qv) 49 39

CMRM (1995) "Sealing wax" cassidene.

1" 189

SW 675 295

ROSELIDDEN MINE, Wendron, Cornwall.

See also TRUMPET CONSOLS, E. TRUMPET

R. Selkey (2006) BMSN 72, 15-16. On Roselidden Farm, in S of Wh. Trumpet set. Trenching gave quartz with cassiterite, ^{→ 3mm} incl. gemmy xls, scorodite, sparable cassit with white feldspar [O'claire?] xls. Fluorite pale green → chess; wolframite; pale green pharmacosiderite; chess to pale blue apatite; anatase, dk blue on mica [muscovite], langite; pyrite; tourmaline; arsenopyrite; chalcedony; chalcocite; chalcopyrite.

2 1/2" SW 624- 675 295.

Rosemergy M, Morvah, Corn

See Morvah Utd M

1" 189

SW 44 23

ROSE-MODDRESS St. Burian, Cornwall. StJ 39

SW 40 25

JC(1871) 47 : garnet.

1" 189

SW 455 ~~280~~

ROSEVALE MINE, Zennor, Cornwall.

= ROSE MORRAN M.

Dominy, S.C. et al (1995), 8, 374 ... Proc. Ussher Soc
" ... cassiterite min'd veins at Rosevale M., Zennor, Corn"
Cassiterite, quartz, black & blue tourmaline,
earthy haematite.

1889 SW ~~494~~ 394
ROSEWALL HILL MINES, St. Ives, Cornwall **H** 40
See also Wh. RACER, cf ROSEHILL M (q.v.)
Henwood

JC (1871), 49: ROSEWALL HILL & RANSOM UNITED (Sn, wkg.)
Cassiterite

DBB (1963) 10. On W slope of Rosewall Hill, Rosewall Hill & Ransom Utd. mines, 200 fms deep. Amalgamated a few yrs before closed in 1876. Later re-worked 1908 briefly with St. Ives CONSOLS.

AKHJ (1961) 17-18 Many small old workings eg St. GEORGES WORK, Wh. GON'S, Wh. KEEN. Lodes converge → E to ~~then~~ united ROSEWALL HILL & RANSOM M's. & on to St Ives CONSOLS

¹⁸⁹⁹
ROSEWARNE, Guinear, Cornwall SW 59 36 H 16
598 3 72

Spec. Min. Res. Rep. 21. Minor Pb/Zn mine.

See ^{also} H 13, WHEAL HERLAND; ROSEWARNE CNLS (H 68); E. ROSEWARNE (H 69); NEW ROSEWARNE (H 70); ROSEWARNE LTD (H 71).

JC (1871), 50 (Sn, Cu) Opal; cassiterite; chalcopyrite

Dewey (1923) ROSEWARNE & HERLAND & ROSEWARNE LTD
Cu ores 1854-74

W. Phillips (1823). "I possess a specimen [of fire opal] raised
ca 40 yrs ago from HIGH ROSEWARNE Cu MINE in
killas. Also common opal, in gangue of
ochreous quartz & yellow Cu."

1" 189 SW 621361 H 68
ROSEWARNE CONSOLS MINE, Gwinear, Cornwall.

See also ROSEWARNE (H16) etc.

JC(1871) 50: (Sn, Cu, wkg.) Cassiterite

1" 189

SW 63 37 H 69

EAST ROSEWARNE MINE, Gwinear, Cornwall.

See also ROSEWARNE (H 16) etc.

JC (1871), 50: (Sn, Cu, wkg.) Cassiterite.

Dines (1956) 156 ~~ROSEWARNE HARLAND~~
~~EAST~~ EAST ROSEWARNE. ~ 63 37

1" 189

SW 614 368 H 70

NEW ROSEWARNE MINE, Guinear, Cornwall.

See also ROSEWARNE (H 16) etc.

JC (1871), 50:

Cassiterite; chlorite; dolomite;
jasper; semi-opal.

1" 189

SW 609 372

NORTH ROSEWARNE MINE, Guinear, Corn.

Bent et al (1957) at 609 372

~~189~~

~~189~~
~~191~~
~~267~~

1" 189

SW 619 367 H 71

ROSEWARNE UNITED MINE, Gwinear, Cornwall.

See also Wh. HERLAND (H 13); ROSEWARNE (H 16), etc.

JC(1871), 50: (Cu, wkg.) Chalcopyrite.

1" 189

SW 607 368

WEST ROSEWARNE UNITED M. goinear, Corn
and NEW WEST ROSEWARNE M.

Burt et al (1957) 607 368 both

1989

SW 65 41

ROSKEAR MINE, Camborne, Cornwall

See also N, S, & W. ROSKEAR MINES

CMRM(1995) Andalusite

1" (189) 655415 SW C 30

NORTH ROSKEAR MINE, Camborne, Cornwall.

See also W. ROSKEAR (C9); S. ROSKEAR (C31); S. CROFTY (C11): W. SETON
Dunham, "Fluotopar," 113, (1952). Part of S. CROFTY (C11).

JC (1871), 51: (Sn, Cu, wkg.). Actinolite; blende;
chalcopryrite; chlorite; dolomite;
galena; haytorite; jasper; opal;
prase; rock xl.

JC (1871) II, 55. "Haytorite" = a var. of quartz
pseudo. after datolite (S).

Kudler (1905) 97. "Haytorite", i.e. chalcedony ψ after
datolite

Dewey (1923) 22 Included in W. SETON [qv]. The

N. Roskeav

main lode here called REEVES LODE (see under
Gt Wh. SETON LODE, under Wh. SETON] Cu ores abundant
in upper levels; arsenopyrite between 100-132 fms,
Sn below ca 100 fms.

N. ROSKEAR LODE, E 32° N Chalcopyrite, pyrite,
fluorite, chlorite, quartz
Cu ore mined 1816-1856; 1857-1874

C. Rogers (1968): Sphalerite; fluorite; bornite.

CMRM (1995) "Bitumens"; "blister" chalcopyrite;
quartz-transparent, smoky, blue; Tennantite;
Wollastonite

1" (189) 65540, SW C 31

SOUTH ROSKEAR MINE, Camborne, Cornwall

See also W. ROSKEAR (C 9); N. ROSKEAR (C 30); S. CROFTY (C 11).
ROSKEAR MINE; Wh. SETON;

Dunham, "Fluorspar", 113, (1952). Part of S. CROFTY (C 11)

Dewey (1923) 22 Included in Wh. SETON (qv)
Cu ores abundant in upper levels; arsenopyrite
between 100 - 132 fms, Sn below 100 fms.
Cu ore raised 1821 - 1850

R. S. Selley, BMSN (2016), 97, p 38. Wh. HATCHET, later
part of S. ROSKEAR, with FOOTWAY & HOLLYTOCK Sh's.
Hard greenstone with massive garnet veinlets, massive
sphalerite in qtz, galena, chalcedony, traces cuprite.
PTO

Around Honeyrock Sh, malachite, brochantite,
langite, chalcophyllite. Anatase in qtz/chlorite

WEST ~~ROSKEAR~~ ROSKEAR MINE, Camborne, Cornwall 1" 189 624402 SW

C 9

See also ROSKEAR MINE; S. CROFTY MINE

Spec. Min. Res. Rep. 21. Minor Pb/Zn mine.

Dines: Hayle-Camborne ~~to~~ road $\frac{3}{4}$ ml W of Treswithian.
Said to have been worked for Sr; Cu; Ag/Pb ore; Zn.

(C30) N. Roskear: 1" 189 655415 } "Fluorspar" 113(1952) Both
(C31) S. Roskear: 1" 189 655407 } part of S. Crofty.

K 1" 190 Perranarworthal SW 761 378
ROSCROW UNITED MINE, Gluvias, Cornwall L 38
75 37
(I)

JC (1871) 57: Pitchblende; chlorite; arsenopyrite.
ROSCROW UTD M., Gluvias.

J. Taylor, R. K. Harrison, K. Taylor "Structure & mineralis'n at
Roskrow Utd M., Ponsanooth, Cornw" Bull GSGB 25
33-40 (1966). Pearce (1878) noticed pitchblende, Hg-galenite, microlite
structures transecting main lode, in assoc. w. Ni,
Ag & Pb mins. Coffinite found on dumps in 1956-7
so adit examined.

2 phases of mineralis'n. (1) Cu in ESE fault w.
(2) U, Ni, Pb in NE cross-course; with vein-quartz
pods of rose quartz in goethite, with meta-
torbernite & m-zennewite, spher → 5mm &

bipyrr xls $\rightarrow$ 2mm. also dissemin fine-grained
ec. ll minerals in a lens of kahlinite at
intersection of footwalls of both structures.

Dumps, Rose quartz gangue in brecc. killas, with
m-torb & m-zinn. pyrite, sphalerite, galena,
pitchblende, coffinite; v small granules
prob. of radian anglesite?; löllingite,
niccolite, rammelbergite, chalcopyrite,
marcasite.

Collins (1912) Tr RGSC 14 1-683 p. 569
Hill & McAlister Mem GS GB (1906) p 238
Dines (1956) 272

Rudler (1905) 81 S. TRESAVEAN M., Gwennap. Pitchblende, niccolite,
native silver & rich argentifer gozzan

^{2 1/2" SW 53 521327 SW}
ROSPEATH MINE, Ludgvan, Cornwall

M 17

Cu mine ✓

1st 185 Cent on SW 951 564
ROSTOWRACK CHINA CLAY PIT ^{St. Dennis} St. Austell, Corn (1)

NOT ECL, Courtney Small.

~~Rum~~ Soc. AGM., 4/91

ROSTOWRACK CHINA CLAY PIT

Location:- St Dennis Parish, Cornwall
Nat Grid Ref:- SW 951564

Early references to the Manor of Rostowrack owned by the Rostowrack family date back to the mid-fourteenth century.

In 1496 a deed was granted to John Watte de Phelippe which included reference to Toll of tin and quarries of stone in Rostowrack lands over the extent of the Manor. Ownership of the Manor passed to the Boscawen family in the mid-sixteenth century following the marriage of Phillipa Carminowe to Hugh Boscawen. Records of tin bounds in 1740 were followed by the granting of a sett for streaming tin in Rostowrack Moors in 1763.

The switch of mineral interest at Rostowrack is covered in an Indenture dated 1798 granting a sett for China Clay and Stone on Rostowrack Common by Viscount Falmouth to John Warwick of Plymouth, 'a dealer in Stone and Earthen Ware'.

The Goonvean & Rostowrack China Clay Company was formed in 1931 to work the Goonvean & Rostowrack setts and has continued in operation to date.

Although no records exist of Rostowrack ever being successfully exploited on a commercial scale for tin, an occurrence observed by C V Smale in 1979 is worthy of note¹.

In a kaolinised granite exposure on the West side of Rostowrack Pit an unusual vein system containing "wood tin" was exposed. The cassiterite-bearing system consisted of a near-vertical vein, c. 2-3cm wide which gave way to a mass of closely sheeted veins approximately 50-60cm in diameter, the whole portraying a bulbous shape.

Alternative layers of quartz, cassiterite (including wood tin), tourmaline, mica and minor fluorite made up the mineralogical composition of the system.

Cont..(II)

ROSTOW RACK PIT, St. Dennis, Cornwall (II)

With the exception of tin, no other metallic mineralization has been noted at Rostowrack, specimens of mineral interest being confined to silica varieties, fluorite, opal, gilbertite, tourmaline and apatite.

1. The Occurrence, Nature and Genesis of Wood Tin in South-West England.
K F G Hosking, M.Sc., Ph.D., D.Sc.(Lond.), C. Eng.,
F.I.M.M., A.C.S.M. (Honoris Causa).
G J Stanley, B.Sc., Ph.D. and G S Camm

Transactions of the Royal Geological Society of Cornwall
Volume XXI Part 4 1987.

C V Smale
March 1991

ROSTOWRACK CHINA CLAY PIT

"ACHROITE"
ALBITE
APATITE

BIOTITE

CASSITERITE

FLUORITE

"GILBERTITE"

KAOLINITE

MUSCOVITE

OPAL

ORTHOCLASE

QUARTZ

TOURMALINE

"WOOD TIN" (VAR. OF CASSITERITE)

date out

27/4
28/4
5/5
1/5
8/5
12/5
18/5

mark

6 1/2 / 10
8 / 10
6 1/2 / 10
34 / 50
37 / 50
44 / 50
15 / 50
15

ROSTOWRACK PIT, SEDennis, Corn (III)

Rostowrack China Clay Pit, Cornwall

7th July 1991 *Rus. Soc. News 23 (1992)*

The usual Cornish summer was in evidence on this trip - force eight gales and torrential rain. This seemed like a day to avoid, hence the absence of nearly half the party, including the leader whose car wouldn't start! The intrepid survivors plonked their way down into the pit bottom where the clay had been reduced to the consistency of pudding mixture, rendering any serious collecting out of the question. A few of us half heartedly poked around the usual quartz veins looking for evidence of smoky quartz and cassiterite, but only mediocre specimens of smoky quartz turned up. After about an hour, most people had had enough. A welcome excursion into Prosper pit on the way out of Rostowrack, to look for the elusive purple fluorite cubes proved equally worthless. A few small specimens on joint planes, but nothing worth putting in the cabinet. A rope was seen dangling from the quarry face, leading up about 100 ft., but no-one felt like doing a Chris Bonnington this day! I did wonder if any intrepid collector had been up there, but not for long. Home for a warm bath, glass of Scotch and a look through *Rock Bottom* (proper collecting).

Colin Fearon

Rostowrack China Clay Pit *RSN (1991)*
Sunday 7th April *23*

Courtney Smale led the party, first to a fissure system containing traces of cassiterite in quartz stringers traversing kaolinised granite. Several small specimens of cassiterite were found as well as reasonable samples of pale amethystine quartz.

After pointing out the site of the wood tin "discoveries" in 1979 (on a face no longer being worked), Courtney took us to a quartz vein system which yielded crystals of smoky quartz and pale amethyst over a horizontal horizon of 50 - 60 yards.

The third location in the pit provided specimens of fluorite and apatite as encrustations on joints in the kaolinised granite.

A very enjoyable few hours of collecting were had by all. No one obtained any material of outstanding quality, but everyone found at least something to interest them. Our thanks to Courtney Smale for making this trip possible.

Owen Baker

CMRM (1995) Quartz (smoky, green, "hacked",
amethyst)

ROSKROW UNITED MINE, Perranarworthal, Corn (II)

CMRM (1975) Anthracite; skutterudite;
epidote ("S. TRESAVERAN M.")

1" 186

ST 16 82

ROUGH TOR MINE, Altarnun, Cornwall.

Near Wh. BRAY (qv).

GM: Zeunerite, specks on haematized granite.

RSWB Zeunerite or metazeunerite small
but clear, excellent xls on gossan

CMRM (1995). Andalusite; salerite (ROUGH TOR
CONSOLS, St. Clether).

1" 189

SW 6

2?

Wh. ROWE, Helston, Cornwall.

M 83

TMH (1868), 41:

Galena; haematite.

ROYAL SAMPSON M., St Endellion, Cornw
see under Royal SAMPSON M.

1" 185

SW 9761

ROYALTON MINE, St. Columb, Cornwall. SA 32

JC (1871), 59. (Sn, wkg.) Cassiterite.

1" 185

SW 97 61

GE. ROYALTON MINE, Roche, Cornwall. SA 53

See also BRYNN ROYALTON (SA 52)

JC (1871) 60: (Sn, wkg.) Cassiterite.

1" 190

SW 71

RUAN MAJOR, Cornwall.

L 8

JC (1871), 53:

Serpentine, everywhere

? = St Ruan. 716 150

1st 185

SX 03 55 SA 68

RUBY & KNIGHTOR MINE, St. Austell, Cornwall.

JC (1871), 61: (Fe, wkg.) Limonite; haematite;
black quartz.

CMRM (1995) Haematite (w/ Ruby, St Austell)

RUTHVOES MINE, St. Columb Major, Cornwall.

See INDIAN QUEEN'S MINE

1" 190
ST. AGNES, Cornwall

SW 75
(I)

A

AR. Min Mag. 16, 55 (1911) Phenakite on qtz (1 spec) from old coll; labelled "topaz on qtz" 40 xls, up to 7x2mm!! Some chlorite; aspy
BM: vg chalcopryite with qtz; vivianite on pyrrhotite,
or chalybite and gahnite; topaz, yellow, with qtz
and cassiterite; cuprite; stannite.

Rudler (1905) 48. MM: (1877) 14. Recent, stalagmitic
"enysite" (basic sulphate of Cu & Fe), found
by C. Le Neve Foster at St Agnes. Described
by JH Collins
59: "Marmatite" = Fe bearing blende from St Agnes
86: Fluorite showing tetrahedral hexahedron

P10

Parkinson's Cat. (1959). Cassiterite large brown
lustrous xls on killas & quartz. Enysite,
blue-green incrustation on clay-slate.

MM (1868). Bismuthochre, blende, cassiterite, felspar,
fluorite, magnetite, pyrrhotite, scheelite,
stannite, topaz, tokbernite, vivianite

AR MM 21 221 Topaz - "St Agnes cliffs" acc. to
JH Collins (1871) p 101 cf POLBERRO, WH. KIND,
SEAL HOLE, WH. TREVAUNANCE, etc.

MM 15 241 Andalusite

Rayners Cat. (1960): Cassit - "wood-tin"

St. Agnes, Cornwall (II)

Collins, MM. 16, 30 (1911): Wh. Kitty: discusses wood-tin (shot-tin).

AR, MM. 16, 55 (1911): phenakite from an old collⁿ, labelled "topaz on quartz": 40 beautifully developed colourless striated prisms (largest 7×2 mm) with thin yellow surface film, perched on & penetrating group of large opaque white quartz xls; with some chlorite & arsenopyrite

Rayner's Cat (1960).

Cassiterite; "wood tin"

(PTO)

Trevannance → enysite.

WHEAL ST. ANDREW, ^{1" 189} 595402 SW
Cornwall.

H 18

...l...ne S.E. of Gwithian.

Dines: Dumps are dark blue-grey killas with lumps of barren white & pink qtz. Veinstuff is brecciated blue-grey peach cemented by qtz, with veinlets of pyrite through both. Quartz crystals up to 1 in! Blende xls up to 1 in across!

e GRILLS. 1" 189 Near SW 57 28 ~~44~~

ST. AUBYN MINE, Germoe, Cornwall M 58

See also LEEDS & ST. AUBYN MINE (M 57) of ST. AUBYN LTD, Redruth.
GT. WESTERN M's.

GM. "St Aubyn & grills M" cited as U loc.

DBB "W. Corn" (1963) 22. ST. AUBYN & GRILLS part
of GT. WESTERN M's, 1870-1886. To 133 fm by 1886.

1" 190

SW 712 418

ST. AUBYN UNITED MINE, Redruth, Cornwall

= Wh. ST AUBYN

of ST AUBYN MINE etc, germoe: See also. Wh. CUPID; Wh. GRAMBLER

GM. "ST AUBYN & GRILLS MINE" cited as a loc. (prob. germoe)

KCD (1952) 116 150 yds SE of Wh. CUPID, & worked with
Wh. GRAMBLER adjoining it to the SW. Cu & Sn ore
chlorite, quartz, purple & green fluorite.

AKHJ (1962) 3 24. Wh. ST. AUBYN, E of E. SPARNON,
~~stands~~ ^{to 60 fms} Tried 1810-1812, poor, hard lode, ~~to 10~~
Reopened later as GRAMBLER & ST AUBYN.

1" 189

SW 517 390

ST. AUBYN TREGENNA MINE, St. Ives, Cornwall

See also Wh. MARGERY

AKHJ(1961) 129. = Wh. KING, N of road to Knills

"Steeple" - NE lode, part worked as part
of Wh. MARGERY in mid 19th Cent.

Wh. QUEEN in same area - in Cock Hill, Hendra

Wh. PRINCE was near Vorvas [S of Knill's Mon't]

1" 185, 190
St. AUSTELL, Cornwall.

Town SX 05

Rutley, 15th Ed., p. 158. Pitchblende ("nr. St. Austell");
p. 179. Cassiterite; p. 199. Smaltite,
p. 185 Cerussite "nr St. A."

Leech, MM 20, 28 (March, 1923). Titanium minerals on
St. Austell Moor

Rudler (1905) 99 Orthoclase, with gibbsite, &
pale green apatite, & sprinkled with
minute pyrite cubes.

MM 14 335 (Collins MM 155) Tourmaline, var achroite

Exley, QJGS (1958) 114 197. Magmatic differentiation
alteration in the St. A. granite.

CMRM (1995) Dumortierite (St. A. GRANITE);
halloysite (St. A. granite); illite (St. A. clays);
kaolinite; microcline (St. A. granite);

1st 1853 ^{SW} ST AUSTELL CONSOLS, ^{968 511} St Stephens Cornwall (I) 22
~~of ST AUSTELL CONSOLIDATED MINE; Gt DOWGAS MINE~~
AWGK- Erythrite, powdery dump-growth.

GM Sited as U. loc. (of ST A. CONSOLIDATED)

Rudler (1905) 81. Pitchblende, with Ni & Co ores

AKHJ (1964) 8 32 Overlaps Gt DOWGAS MINE &
drained by same adit [qv]. The self
originally comprised a number of old &
separately worked mines, e.g. Wh. HAWKINS,
TREWITHE & UNANIMITY. Unanimity at one
time part of Gt DOWGAS, & active in 18th
cent., when specimens of its ores found way

into coll. of Philip Rashleigh. Restarted 1815
Worked with E. Wh. TREWITHEEN by 1825. In 1835
EAST Wh. STRAWBERRY formed to try Trewitthen S
lode below adit. ST. AUSTELL CONSOLS
formed 1844 "from E. Wh. STRAWB. & Wh. HAWKINS,
Cu ore. Really got going after 1854, &
then mined tin, with uranium, cobalt, & nickel
ores, from N-S X-courses. In 1873 parts
of DOWNS & ST. A. CONS. taken up as ST STEPHENS
TIN & COPPER MINES.

Ca 1907 extensive dumps picked over for nickel
by a Mr Bargett who stored the ore in a
shed. Shed later removed & stuff thrown
on dumps whence many good specimens subsequently
recovered by collectors!

ST. AUSTELL CONSOLS, St. Stephen, Cornwall (II)

Dines (1956) $\geq$ 545. Sn & Cu ores in lodes; several N-S x-courses, with Co, Ni, & U ores. Drainage adit is contin. of Deep Adit of St DOWDAS. Vert N-S x-courses are at 42 fm & 10 fm E of Young's Sh. & 5 & 10 fm W of it. The two latter gave Co, Ni & U, & were of ferrug. quartz from which rich branches of smallite & niccolite extracted for 1-15 fms along strike. Where Cu present, Ni absent. U mainly at walls occas. in centre of lode. Also baryte & gahnite.

JC (1871) 60 ST. AUSTELL CONSOLIDATED MINE (working).
Annabergite; baryte; cobaltite; smallite;

pitchblende; copper.

BWS (8/66) 5 51 Dumps near 970 509, by road, mostly overgrown - nothing of interest seen. Dumps near 968 511, near chimney, up side-track overgrown except for one small patch by a cluster of highly active beehives.

C. Rogers (1965): Ni ores

CMRM (1995) Asholane, nat. bismuth; millerite;
Ni-skutterudite ("chloanthite"); pyrrhotite;

1" 185

SW 96 51 (?) SA 56

ST. AUSTELL CONSOLIDATED MINE, St. Austell, Cornwall.

of ST AUSTELL CONSOLS

JC (1871), 60: (wkg) Annabergite; baryte;
cobaltite; smaltite; pitchblende;
copper.

1st 185
ST. AUSTELL HILL MINE, St. Austell, Cornwall ^{SX 00 57} SA 9
See BUNNY MINE
Rutley, 15th Ed., p. 126, topaz.
JC (1871) 61 HILL MINE, St. Austell. (Sn) Cassiterite;
orthoclase; tourmaline; topaz

1" 186
ST. CLEER, Cornwall.

6" Corn. 28 SW (1907)
Village SX
24 68 K 61

AR, MM 27, 234 (1946) Pink mineral mentioned as
?rhodonite in Mem geol Surv. (Tavistock & Launceston, 1911),
is not.

Parkinson's Cat. (1959) Cupsite, xls in cavities in massive

1" 185 SW MAJOR 9163
St. COLUMB, Cornwall, MINOR 8362 (I)

Rutley, 15th Ed, p. 144. Axinite ; near St. Columb"

W. Phillips (1823) Nat. bismuth

St. Columb Major, Cornwall (II)

Rayner's Cat. (1960).

Liroconite, qu, scorodite, löllingite. -
Castle-an-Dinas mine.

Hosking + Curtis, Camborne School of Mines
Mag. 1961, 61, 5; M.A. 16, 168. Further applied
geochemical studies near Castle-an-
Dinas mine.

Hosking et al, ibid 1962, 62, 49; MA. 16, 169.
Distribution of Sn, W, As + Cu in sediments
of Menalhyll river [Castle-an-Dinas - Belowda
Beacon area].

Hosking et al, Mine + Qu. Eng. 1962, 28, 490.

Heavy-metal content of waters in mid-Cornwall [Castle-an-Dinas → Belowda Beacon area].

1" 190
St DAY, Cornwall

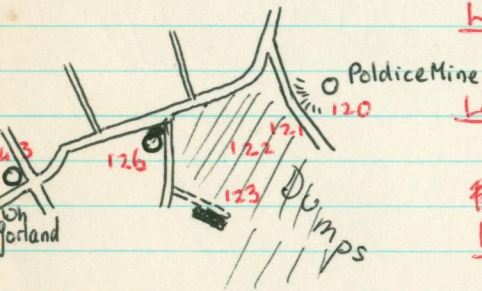
(I) Village 7342
Parish 74

R 35

Vast complex of dumps E of St. Day.

See other cards, eg Wh Unity, (R8); etc. espec. GORLAND, POLDICE

RSWB 8/59



Loc 121

Green fluor, qtz, chalybite, etc

Loc 122

Arsenopyrite, chalcopryite, fine
needles late generation tourmaline

Loc 123

opposite houses: Chalcopryite,
green fluorite, pale blue botryoidal
ceruleite?? [See POLDICE II]

£

Loc 126

Excellent green fluorite.
(cuttable?)

MM 32 1.

Cornubite

Russ Gor Newsd (2005) 46, 4. M. Rumsey. BM spec's
76733 & 74416, one from "St Day", one from
"Cornwall", found to carry veszelyite.
Old samples, pres in 1894. Matrix suggests
poss. Wh. GORLAND.

St. DAY, Cornwall (II)

BM: Chalcophyllite (vg); cornwallite; clinoclase
deep blue platy aggs; liroconite with
olivine; pharmacosiderite;
spangolite $\text{Cu}_6\text{AlSO}_4(\text{OH})_{12} \cdot 3\text{H}_2\text{O}$, dark
greenish-blue hexag, with cuprite &
chrysocolla.

1" 190

SW 748 421

ST. DAY CONSOLS MINES, Gwennap, Cornwall.

C. Rogers (1968) NW of St Day Ltd. Quartz;
pyrite; chalcopyrite; arsenopyrite.

ST. DAY UNITED MINES, ^{"190 745 41"} ~~Glennap~~ Cornwall (I) R 6
Henwood (E - Ale & Cakes (R.15); W - Poldory; Fortune) See also POLDICE etc.

Talling - Phenakite. ^{BEAUCHAMP, TREVARTH, TINGE, TANG, SQUIRE, ALE & CAKES, E. ALE & CAKES, WH FRIENDSHIP} UNITY, GORLAND, MAID CARRARRACK, CLIFFORD AMALG.
RM in Mag 16, 55, (1911) Phenakite - VG xls on mass of long qtz xls cemented together, coated over with globular light green scaly chlorite studded with colourless transp. xls of beautiful phenakite. Also on pale green fluor ca 1856, Poldice, Gorland, Unity, Maid united as St D. United Ms.

Connellite, BM 60566, x-ray photo in Bannister Key & Claringbull M in Mag 29, 280 (1950).

Henwood: Barite. (See R15, Ale & Cakes)

JC (1871) 56. UNITED MINES, ~~Glennap~~: (Cu). Cassiterite; baryle; rock xl.

KCD (1952) 117. Formed in 1864 by amalgamation of
POLDICE, UNITY, GORLAND, MAID, & CARHARRACK.
Later mines added & in 1870 called "POLDICE"
Some fluorite raised, much from Wh. Gorland.

Dewey (1923) 30 Included in POLDICE. In 1864 certain
mines combined as ST. DAY LTD. Afterwards
again as POLDICE

W. Phillips (1823). Native copper.

Dewey (1923) 34. Consisted of Wh. BEAUCHAMP, TREVARTH, TING TANG,
Wh SQUIRE, POLDORY, ALE & CAKES, E. ALE & CAKES,
Wh. FRIENDSHIP. Combined with Wh. CLIFFORD &
CONSOLIDATED MINES in 1861 as CLIFFORD AMALGAMATED

ST. DAY UNITED MINES, Gwennap, Cornwall (II)

The GREAT LODE traced nearly 4 mls from Wh.
BEAUCHAMP, through Carn Marth granite, into killas
at TREVARTH & on through TING TANG, SQUIRE, POLDORY,
ALE & CAKES, E. ALE & CAKES to Wh FRIENDSHIP.

Cu ores sold. 1815-56, 1857-61

C. Rogers (1968): Quartz; pyrite; chalcopysite;
arsenopyrite; millersite.

V.T. Rae; B.V. Cooper; S. Weller, Priv. Comms. (10/84)
Ceruleite (IR, RSWB); scorodite; forbsenite

St Day United M's

in W. extension of Wh Lane or Mt Wellington
in new shaft/incline.

CMRM(1995) Brochantite (UNITED M's, Gwennap);
melanderite (UNITED M's, Gwennap); orthoclase
(UNITED M's, Gwennap);

1" 185

SW 95 58

St. DENNIS, Cornwall. (I)

SA 41

JC (1871) 60: Kaolin; cassiterite.

Parkinson's Cat. (1959). Orthoclase, cleavage blocks.
Biotite, dark brown cleavage aggregates.

St. Dennis, Cornwall (II)

Collins, Min. Mag. 16, 30 (1911) : Goss Moor : discusses
wood-tin.

1" 185

SW 99 78 (Chamlet)

ST. ENDELLION, Cornwall.

Rutley, 15th Ed., p. 169. Stibnite, "nr. Endellion".

BM: Yellow earthy bindheimite, $Pb_2Sb_2O_7$;
bournonite; blende; quartz; pyrite

Rudler (1905) 59. Stibnite "from Endellion"

AWGK. MM 31 299 Boulangerite

Bothwell Davis & Moss MM (1960) 32 665 Anal. of a
bindheimite from Endellion

CRM(1995) Senarmonite.

St. Enober, Cornwall

Collins, M.M. 16, 30 (1911): Burthy China-clay works:
discusses wood-tin (shot-tin).

1" 189
SE. EARTH, Cornwall.

SW 55 35

MM 15 241 andalusite

CMRM(1995) Kyanite

1" 190

SW 97 48

ST. EWE, Cornwall

CMRM (1995) gold.

724 513

Gt St. George M, St Agnes, Corn.
See Wh Kitty

GT. ST. GEORGE MINE, Perranporth or Perranzabuloe,
See PERRAN GT. ST. GEORGE MINE Cornwall.

1" 185

SW 736 528 A 62

WEST Gt. ST. GEORGE MINE, Perranzabuloe, Cornwall

See also ^{PERRAN} Gt. ST. GEORGE MINE (A 61).

JC (1871), 58 (wkg). Blende.

Burt et al (1987) At 736 528 - West Perran
Gt St George

South St. George M, Penzance, Cornwall.

See Lambriggan M.

1" 186

SX

23

86

ST. GEORGE'S MINE, Laneast, Cornwall

See Wh. BARON (sx 23 86) [=]

St. George's Work, St Ives, Corn
See Rosewall Hill M's

1^u 185

SW 955 717

St. ISSEY MINE, Padstow, Cornwall. ~~SW~~ E 9

JC (1871), 59: (Cu, Pb) (wkg). Chalcopyrite; galena.

[? = CARTHEW CONSOLS]

1" 189

SW 54

St. Ives,

Cornwall

Kutley, 15th Ed. p170

Bismuth; cassiterite

CMRM (195)

Abhurite, $\text{Sn}_3\text{O}(\text{OH})_2\text{Cl}_2$ in

crust on Sn ingots from wreck of SS Cheerful,
18 mi NNW of St. Ives; XRD, D. Green.

1"189

SW 499 399

SE. IVES Wh. ALLEN, SE Ives, Cornwall

AKHJ (1961) $\perp$ 18. Erroneously named "Wh. MARY"
on the OS map.

1" 189 2 1/2" SW53 505398
ST. IVES CONSOLS, St. Ives, Cornwall (I) H⁶
WHEAL MARY 2 1/2" SW53 501398 of ST IVES CONSOLIDATED MINES
See also W. TREWITT

Dines: Cassiterite; chalcopryite; chalcocite; cuprite;
(also PTO) chalcanthite; bismuth; haematite; limonite;
pyrite;

Gangue: Qtz; chlorite; tourmaline. Dolomite. Large
xls of quartz from a large cave

Bismuth: Kemp's lode, worked from W. Virgin shaft 504398.
Pockets of Fluor - Great Carbona lode, worked from E. Virgin shaft.

N.B. Cavity 15x10x12 ft, with smaller offshoot cavities,
lined with 1' of quartz, with xls up to 6"!!

Museums: good chalcocite xls. pseudo-hexag.
Rutley 15th Ed, p.175, smithsonite

JC (1871) 49 Wh MARY (Sn, wkg) Blende; smithsonite; chlorite;
arsenopyrite; molybdenite.

ST. IVES CONSOLIDATED (Sn, Cu, wkg). Actinolite; bismuth;
cassiterite; V. fine chalcocite recently; chalcopyrite;
chalcotrichite; chlorite; felspar; fluorite; haematite;
limonite; mica; schorl; nopyre?;
chalcantinite.

Dines (1956) 114. Incl WSW of St Ives. Includes WELLESLEY M. &
Wh. MARY. granite, metam. greenstone & killas.

DBB (1963) 9. Mainly worked 1818-1892. Disastrous
undergr'd fire in timbers, 1844. Worked to 200 fms.
Wh TRENWITH part thereof.

ST. IVES CONSOLS, St Ives, Cornwall (II)

AKHJ (1961) 120-21. Formerly rich & important;
much-described. Timber stemples ("stulls")

caught fire in 1844 & ^{some workings} ~~stumps~~ collapsed in
NB. Part of Wh AYR [qv] named EAST ST IVES CONSOLS in 1845

Rudler (1905) 78 Lamellar masses of bismuth
of some size - CONSOLIDATED M's, St. Ives.

CMRM (1995) Bornite; "sparable" cassiterite;

^{1st 1899} ST. IVES CONSOLIDATED MINES, ^{SW 50 39} ~~SW 50 39~~ St Ives, Cornwall
= ST IVES CONSOLS. See also Wh. TRENWITH (III)

Rudler (1905) 78. ~~Lame~~ Lamellar masses of
native bismuth of some size at the
CONSOLIDATED MINES, St Ives.

R. Selley ('07) BMSN 74, 22-23. E. VIRGIN sh capped
to build a house. granite, qtz/chlorite.
Traces sider, fluor; cassit, mostly mass
some gemmy xls; arsenopy; gozz'y qtz w. nat
copper.

E. St Ives Consols, St Ives, Corn.

See Wh. Ayr

iⁿ 189

SW 482 404

WEST ST. IVES MINE, St. Ives, Cornwall. H 61

~~See TREVEGA~~ BAL

JC(1871), 49: (Sn, wkg.) Cassiterite.

1 "1899

ST. JUST

~~PENZANCE~~

SW 33

Cornwall

(I)

STJ

2 1/2 in maps: SW 33 (10/33) St. Just, Pendeen.

BM: Opaque Apatite on axinite; autunite, botryrad.

Parkinson's Cat (1959) Jasper - red-brown to yellow

Rudler (1905) 101. Andradite

"M. J. Minerals" Cat. (1990) Spec ex M. G. Weller coll.

Botallackite from CHY CORNISH COVE, St Just.

(Not on OS 2 1/2" map or in OS Gaz2)

CMRM (1995) Kaolinite ("ST. JUST AREA")

St. Just, Cornwall (II)

AR, MM. 16, 217 (1912): Cliffs between Wh. Cock + Crowas

Rock: prehnite (see Carne, RGSC 1822, 2, 310;
cf. AR, MM. 1910, 15, 379): pale-green glob. aggr.
as veins in a narrow strip of intrusive
greenstone in granite; + stilbite + axinite.

MM. 32, 433. ('60): Gay + Rickson, X-ray data on
stokesite, Roscommon Cliff.

Rayner's Cat. (1960). and "Wh. Edward, St. Just".

"Wh. Edward, Botallack": comenellite, torbernite

St. Just: arsenopyrite, qz, calc.

Botallack mine: haematite.

Davidson, Nat. 1959, 184, 1473.

The geol. time-scale [incl. Geevor mine].

1st 189

SW 352 316

St. JUST AMALGAMATED MINE, St. Just, Cornwall. StJ. 61
of St JUST UTD, BOSORNE & BALLOWALL UTD.

JC (1871), 48: (Sn, wkg.) Cassiterite

DBB (1963) 15. At one time St JUST UTD. & BOSORNE
& BALLOWALL UTD, joined as St. J. AMALG.

1" 189

SW 355 315

ST. JUST UNITED MINES, St Just, Cornwall.

of ST JUST AMALG.

DBB (1963) 15. Group of 8-9 small mines S of
C. Cornwall. C. CORNWALL MINE also included -
(100 fms deep). Workings elsewhere shallow except
at BAILEYS ENG. Sh. - 160 fms. To SE on
same lodes lay BOSORNE & BALLOWALL UTD,
at one time incorp. as ST J. AMALGAMATED

1" 185

SX 02 76

St. KEW, Cornwall

CMRM (1995) Nat. sulphur

SE. LEVAN,

1" 189

SW 38 22

Cornwall.

Rudler (1905) 104. Pigotite, described by Prof

Johnston as "a compound of alumina with
murexous acid" (Phil Mag. xvii (1840) 352), &
resembling a dark brown wood-opal, found
by SW Wetherell as incrust'n on walls of caves
in granite nr. Porthcurnow, St Levan. (Geol Mag
n.s. (iv), vol i (1894) p 223).

[Porthcurno; SW 383 228 $\frac{1}{4}$, St. Levan PH]

Scott Williams Mineral Co. Specimen (L.C. Wyman $\rightarrow$ RSWB, 6/72).

Pigotite, brown resinous crumbs, "Old Sea Cave,

Penzance, St. Levant Parish, Cornwall, England."

1" 186 SX 3 8 6" 16 SE and 17 SW (1907)
ST. MARY MAGDALENE, Launceston, Cornwall

K 53

AR, MM (1946)

1" 185

SW 88 74 (village)

E 11

ST. MERRYIN, Cornwall.

See also TREVORGUS M.

JC (1871), 59: Bournonite

1" 185

SW 98 53

ST. MEWAN BEACON, St. Mewan, Cornwall

AR MM 21 221 Topaz, with quartz & tourmaline

OS 1" "Beacon" in St Mewan parish, at
SW 98 53, near BLACKPOOL PIT

CMRM(1995) Topaz ("ST. MEWAN MINE, St. Mewan).

1" 189 SW 5129, 5130
ST. MICHAEL'S MOUNT, Marazion, Cornwall (I) M 21

Rutley, 15th Ed, p.121, beryl; p.126, topaz; p.139,
lepidolite in silvery six-sided plates; p.180, stannite
in granite

BM: vg cassiterite with topaz; apatite, blue green, with
muscovite and topaz.

JC (1871), 49: Apatite; beryl; cassiterite; fluorite;
garnet; orthoclase; lepidolite;
pinite; rock xl.; stannite; topaz;
tourmaline; wolfram; zippeite.

PGE, MM 30 260 (1953) Mentioned as loc
for beryl, referring to Barclay, Ann
Phil. (2) 10 383 (1825) & later authors

Rudler (1905) 24 Apatite, short prisms of a
beaut. blue colour, with lepidolite
25. Topaz

AR MM21 221 Topaz, in cassiterite-wolframite-quartz
veins on E & S side of mount. No longer
visible in situ but can still get specimens by
breaking up greisen (waterworn) boulders on foreshore
that show a vein. Also with Limica, & rarely
deep blue apatite xls.

ST. MICHAEL'S MOUNT, Marazion, Cornwall (II)

RWB (8/66) 5 56 Collecting verboten! From
boulders on foreshore at foot of Mount,
beside causeway, cassiterite xls in
quartz veins. Ditto 8/68 also wolframite xls

DHardman
CMRM (1995) Cordierite; quartz (transp.; citrine, rose);

CRogers (1968): Apatite; beryl; cassiterite; fluorite;
garnet; felspar; lepidolite; pinitite;
quartz xls; stannite; topaz; tourmaline;
wolfram; zippelite [carb of collins]

Hosking, RGSC (1957) 18 493. Vein system of
Sr. Michael's Mount.

~~Moore~~ Moore Fe Howe RA. (1984) MM 48 389-96
Stannoidite in abundance, $\text{Cu}_8(\text{Fe}, \text{Zn})_3\text{Sn}_2\text{S}_{12}$
often intergrown w. kesterite. Stannite
found in only 2 sections out of ~100
& that is zincian. Stannoidite later
than löllingite & arsenopyrite. Noticed by
Hosking (1968) (Intern. Tin Council (Bangkok Issue) 1156-1205)
who thought it was pink stannite or mawsonite.
Analyses

1" 185

ST. MINVER

Village SW 96 77

Cornwall

CMRM (1995) Augite; kaersutite (in "minverite");

14 185
ST. MIN^{SW}IVER CONSOLS, St. Min²iver, Cornwall⁷

(?) 3
E

BM: Jamesonite.

Rutley, 15th. Ed, p. 185, cerussite.

[Not in Dines, AKHJ, Burt et al]

1" 186

SX 32 85

ST. STEPHEN, Launceston, Cornwall

Dines (1956) 713. $\frac{3}{4}$ ml N of Launceston.

old shaft in field, 300 yd ESE of
Park Launceston Fm. Mn workings.

Output for 1867, 1868 included with

CHILLATON & HOGSTOR (Devon) [q.v.]

St. Stephen's Tin & Copper M's, St. Stephen,
Corn.

See St. Austell Consols

1" 185

SW 95

St. STEPHENS-IN-BRANNEL, Cornwall.

BM: Torbarnite

1" 185

Village, SX 06 80

St. TEATH, Cornwall

See also TRE ROOSEL, TRE WALDER, (OLD) TREBURGETT, TREWETHEN AND
PENGENNA, WHITEWELL

CMRM (1995) Pyrostilpnite

1" 186

SX 14 55

K 82

St. VEEP, Cornwall

ve(1871), 63: Asbestos

1" 186

SX 38 69

K.78

WHEAL ST. VINCENT, Callington, Cornwall.

~~W. LANGFORD = BARING~~ ~~LANGFORD = NEW LANGFORD =~~
EAST CORNW. SILVER M. = E. CORNW. W. VINCENT = VINCENT & CONSOLS

BM: Silver. "Wheal Vincent"

Rusley, 15th Ed., p. 220, "argentite"; p. 222, "cerargyrite."
"Wheal Vincent" → = acanthite ψ

Collins (1871), p. 64. Wheal St Vincent, Callington. "Argentite;"
cerargyrite; silver; chalcopryrite. (= acanthite)

W. Phillips (1823). Nat. silver, with cerargyrite; cubic silver glance [acanthite ψ after argentite].

Burt et al (1957) CORNWALL & ST. VINCENT
MINE, SX 383 695

CMRM (195) Acanthite

1" 189

WHEAL SALLY, Illogan, Cornwall SW 68 47

C 6

= WHEAL LUSHINGTON or WEST WHEAL TOWAN.

5ml by road from Redruth.

See also S.TOWAN MINE (R 54)
e KERRIACK COVE
LUSHINGTON

Spec. Min. Res. Rep. 21: Working in 1921.

Blende; galena; chalcopyrite.

BM: Chalcopyrite from Wh.TOWAN, with arsenopyrite.

1" 185

SX 027, 819, AKHJ

Wh. SAMPSON, St. Teath, Cornwall

~~See also~~ = ROYAL SAMPSON M.
See also BOUNDS CLIFF

B. Cooper, Priv. Comm 5/76

Arsenopyrite,

large bright sharp xls scattered
clay-slate
in beach below Wh. Sampson in
Barrett's Zawn. coll. 22/4/76

AKHJ

JC(1871), 62. Silver-Pb, w/kg. Galena - "ROYAL
SAMPSON MINE".

CMRM(1995) Ag-tetrahedrite ("polytelite")

5 September 1993 Bounds Cliff & Barrett's
Zawn, Cornwall RSN(1994) 24,8

Four members turned up on a bright windy day for the walk down to Bound's Cliff. After a scramble down through the very slippery miners' tunnel to the base of the cliffs the party started collecting arsenopyrite crystals from the cliff exposure at the northern end of the beach. Owen Baker almost immediately found a tetrahedral crystal about 1 cm across on slate matrix, slightly damaged and tarnished, but the biggest I've ever seen in the exposure. Later in the day a search was mounted for Dave Lloyd's barstowite lode, unsuccessfully I think. However a small quartz vein was found beyond the end of the beach with what looked like very fine needles of stibnite embedded in the quartz. Hopefully all in the party found sufficient of the unusually shaped arsenopyrite crystals to consider this a day well spent. I would like to record my thanks to Mr Pennington for allowing us to park at Middle Hendra and to collect on his property.

David Roe

1" 189 SW 4 2
SANCREED MINE, Sanciered, Cornwall

Rudler (1905), 17. Cassiterite, var. wood tin, in
altered granite.

Sanciered village, SW 42 29

Not in AKHJ or Burt et al (1987) or Dener (1956)

Wh. Sandwich, Towednack, Corn
See Wh's Sperris & Sandwich

1" 189

SV 80, 81, 90, 91

SCILLY ISLES, Cornwall. StJ 32

See also PIPER'S HOLE

JC(1871) 46: Flint on beaches & high lands.
Schist occasionally in granite.

1" 190

SW 72 45 R 52

SCORRIER CONSOLS MINE, Redruth, Cornwall.

= Wh SCORRIER

JC (1871), 53:

Rock xl, stannite.

1" 190

SW

71 ... 517

SEAL HOLE MINE, St. Agnes, Cornwall.

See also POL BERRO

AR MM 21 221 Refs to JH Collins (1871) part 2, p101
 which gives as topaz locs, SEAL HOLE MINE
 (another part of POL BERRO, on cliffs) &
 "St Agnes cliffs"

AKHJ (1962) 2 25-28 Adit from cave at foot
 of cliffs. Music played in the "great
 Seal Hole Vugga or cavern" 55 fm down
 N. Seal Hole mine shaft, as seldom accessible
 by sea

1070

Seal Hole M

CMRM(1995) "Quilted" cassiterite.

1" 189
WHEAL

SW 65 41
SETON, Camborne, Cornwall

C 18

See also E. Wh. SETON (C 39); W. Wh. SETON (C 38), NEW SETON; OLD POOL M.; N. Wh. CROFTY; N. ROSKEAR M.; S. ROSKEAR M.;

Rutley, 15th. Ed., p. 207, chalcopyrite.

'Fluorspar' 1183 (1952) Now part of S. Crofty Mine (C 11)

p. 115 SETON & W. SETON. Lodes cross Red River valley ca $\frac{1}{2}$ m N of Camborne Redruth Rd at Tuckingmill [ie near Roskear] Yielded mainly Cu, a little Sn. Active 1834-1876. During this time some 10 tons pale green fluorite sold. Dumps of W. Wh. SETON adjoining, gone over in recent years for fluorspar.

JC (1871), 51: (Cu, wkg.) Chalcopyrite.

Dewey (1923) 22 Includes, from E to W, OLD POOL M.,

N. Wh. CROFTY; N. ROSKEAR, S. ROSKEAR, Wh. SETON, W. Wh.
SETON, NEW SETON.

Main lode = Gt Wh SETON LODE = Gt. CAUNTER. Nearly
E-W. Cu in upper levels, cassiterite below
170 fm level. Aband. at 200 fm level. Lode
is of chalcopryite & tin ore in quartz. At
216 fms had also fluorite & chlorite.

N. ROSKEAR LODE, E 32° N. Chalcopryite, pyrite,
fluorite, chlorite, quartz

SOUTH LODE. Chalcopryite, pyrite, blende, quartz
in Killas with "much mundic"

Cu ore raised 1838; 1845-1877. (Wh. SETON).

R500B, Crogers (8/66) 5 57 Dumps recently dug, at 656 416: Much
greenish fluorite, much bornite with chalcopry; qtz. Trace erythrite

1" 189 SW 66 41 ~~22.687 434~~ or 659 416.?

EAST Wh. SETON, Illogan, Cornwall. C 39

See also Wh SETON (C 18); W. Wh. SETON (C 38)

JC (1871), 52: (Cu, wkg.) Chalcopyrite; pyrite.

Dewey (1923) 23. Cu ore raised 1847-1875

Dines (1956) 287. " $\frac{1}{2}$ ml N of Tuckingmill; just E of Wh. Seton. Cassiterite; pyrite. "East Seton"

AKHJ (1965) 10, 41 EAST SETON, "W neighbour of Wh. MAUDE, and adjoining Vogue 'Beloth chapel' Lie at 687 434 where dumps show on OS $2\frac{1}{2}$ in map; & over $1\frac{1}{2}$ mls NE of Dines' loc. ? a different "East Seton". Shallow adit exhibited in 1845 a very fine lode

composed of gossan & beautiful stones of
copper ore, some of which were of very
large size "

1" 189

SW 64 40

NEW SETON MINE, Camborne, Cornwall.

See also Wh. SETON, etc;

Dewey (1923) 22. Included in Wh. SETON [qv]

1" 189

SW 62 41

(GREAT) NORTH SETON MINE, Illogan, Cornwall
= Gt. Wm. JOHNNY

1" 189

SW 63 40

GREAT SOUTH SETON MINE, Illogan, Cornwall

= Wh. GILLEY

1" 189

SW

63

41

VIOLET SETON MINE, Illogan, Cornwall

1" 189

SW 650 414

WEST Wh. SETON, Illogan, Cornwall C. 38

See also Wh. SETON (C 18); E. Wh. SETON (C 39); NEW SETON

Dunham "F" 115, (1952). Dumps gone over recently
for fluorspar

Dewey (1923) 22 Included in Wh. SETON [qv]
Cu ore raised 1848-1890

Burt et al (1957) 650 414

"Shallow Adit", Redmuth, Conn

See Wh. Lily; Wh Cupid; Trefula M

1" 186

ca SX ~ 145 765 (?)

SHALLOW WATER MINE, Bodmin Moor, Corn.

BV Cooper, Spec → RSWB 12/77 [77-134]

Haematite, botry, on quartz
on granite. NE Bodmin Moor area

Dines (1956) 580. On Shallow Water Down, 5½ ml SSE
of Camelford [Shallow Water Common - 1" 186 ~ SX 145 765]
Iron lode of mamill red haematite in cracks in
red-stained & chloritised granite, courses N 12° E
across a hogback ridge. Worked ~ 1200 yds by

open pits & adits at each end.

Not in AKHJ or Burt et al (1987)

1" 186

SX

25

73

SHARPTOR MINE, Linkinhorne, Cornwall

= WEST SHARPTOR MINE

(589) 2073 3208 to DASH in 35X

Dines (1956) 590-591. $1\frac{3}{4}$ ml N by W of Caradon Hill.
Lode has wide, ferruginous gozzan, early
worked for tin, 600 yds S of Sharp Tor, at
granite [footwall] - Kellas [hanging wall] boundary [fault].
Chloritic, with pyrite, chalcopryite, chalcocite,
small amts. cassiterite. Rec. to Dr. Phemister
[Whom God preserve, NOT of Utrecht] The chlorite is
daphnite, & there is also the bright olive green
[src!] hydrated copper sulphate, brochantite.

Sharpform

Richard Tayler (H. Cooke's assistant) 8/70. Ident by

RSWB. Langite xls (IR) with brochantite

& minor ?connellite on Killas, also on
granite

CMRM (1995) Chrysocolla

SHELTON MINE, St Austell, Cornwall.

See BUNNY MINE

1" 190

SW 758 519

WEST SHEPHERDS MINE, Penanzabuloe,
Cornwall

AKHJ (1962) 2 47

Shaft with big dump

on site marked "WEST SHEPHERDS" on E.H.
Brentons Map (1869). Dines names this site
"PERRAN Wh. VYVYAN", which on Brenton's
map is over a mile further S! Brenton's
locs almost cert. correct (for ^{the} other reasons).

Silver-lead one.

Abandoned soon after 1851

1" 185

SX 0057 SA 70

SHILTON (Bonney) MINE, St. Austell, Cornwall.

See BUNNY MINE

JC (1871), 61: (Sn) Cassiterite.

Silver Adit, Redruth, Cornwall

See Hosking's Wh Silver, also Wh. Goodspeed

SILVER KITCHEN MINE, St. Austell, Cornwall.

See GT. HEWAS LTD. MINE

1" 186

SX 384 701

SILVER VALLEY M., Callington, Cornwall

cf SILVER VALLEY Mines in Gwathian & Linkinhorne
see also Wm. BROTHERS

= WILLIAM & MARY WORTH M. = ASHBURTON M.

Dines (1956) ^[Calstock] T 633-4 Once worked w Wm. BROTHERS (gr)
worked for Pb/Ag 1815-1855. Reworked ^{from 1948} ~~in 1956~~
on GOODLUCK LODGE. - [Mg-chamosite] ✓

Qtz-chlorite(Fe) [Diaphnite] with cassit, arsenopy,
wolframite, chalcopy, sphal, pyrite

The wolframite is blades & sheaves to w 1" in the
chlorite

RSN(105) 46 32-3 Field trip 8/04. Dumps with massive
pyri cupy, gal & sphal, ars'py qtz, mimet/pyrom.

1" 189 SW 5 4 (?) H 65
SILVER VALLEY Gwithian, Cornwall.

JC (1871), 50: Cerargyrite; silver.

Not in Dines (1936), Burt et al (1987) or AKHTJ.

GWITHIAN, SW 58 41 (village)

NB cf SILVER VALLEY M, Callington
(SX 38 70); another in Lickinhorne
(SX 25 71); the wh HERLAND
group (SW 59' 36) [nearby; has Ag minerals]

SILVER VALLEY M. Linkinhorne, Cornwall
of SILVER VALLEY Mines in Gwithian ~~en~~ Callington

Dines (1956) II 598 Immed W of S. Wh. PHOENIX, in
NEW PHOENIX sett on E part of Craddock Moor.
Crop workings (reopened 1937). adit; shaft.
Qtz-chlorite lode with qtz-schorl sides;
cassiterite.

1" 186

SX 124 597

SILVER VEIN MINE, St. Winnow, Cornwall
= Wh. FORTESCUE = BEACON HILL

CMRM (1995) Ag-tetrahedrite ("polytelite");
pyrargyrite

? (written on map Ag) chlorargyrite (?)
like?

RSN (2006) 48, 17. 2 grey shale dumps,
overgrown. Small amounts galena,
tetrahedrite, pyrite, siderite, cupy,
arsenopy found!

1" 190

SW 750 486

SILVER WELL MINE, Pentanzabuloe, Cornw.

AKHJ(1962) 2 50. Tried several times
last being just before 1914 war. Small
mine, two galena lodes. In an
earlier working, known as Wh. TREASURE

1" 189 2½" SW 53 515368, 513367, 50 36
WHEAL SISTERS, Towellack, Cornwall

H 30

See also TREVARACK M.

NW of Trencrom.

Sn mine. ✓

DBB(1963)11. Formed 1875 from OLD TINCROFT,
TRENCROM, wh's MARY, KITTY, & MARGARET

AKHTJ(1961)1 36 Wh. SISTERS group of mines
worked for > 1½ ml.

Wh's MARGARET, MARY, & KITTY united as Wh. SISTERS
ca 1740 the W central part known as RUSSOW TIN M
(near Brunnion, SW 510 365). In 1803 7 lodes
named; from N-S, wh's HORSE, MARY, N. PINK, S. PINK, N. RUSSOW,
ROSE-AN-DRANNACK, & S. RUSSOW, all extending E → Wh. MARGARET

To SE, nearly 11² NE lodes of Wh's. SARAH, GWREY,
N & S GWENS (KITTY); UNITY; GOGAR [near lock 50, 355]
Wh Gogar developed further W in the little
Wh Busy, Boswase.

At E end, in 1740, worked mainly Whs LOVELY
& FLAGGON lodes the latter extending from
Trencrom to stream below Trevarrack Fm.

[515366]

[518371]

TRENCROM MINE is most E member, adit
visible between Trink Stamps & Trevarrack Stamps.

Wh SISTERS, Harrowbarrow, Cornw

= Wh FORTUNE (qv)

Wh. Skimmer, Redoubt, Conn.

See Pednandra M

1" 185 SW 9455; 9555
SLIP CHINA STONE QUARRY, St. Stephen. SA 21
Cornwall

GR, June 1955 Various types of china stone w. occasional specks
of torbernite or autunite; xised quartz & dark fluor,
(blue-purple)

Quarries (1963-4) Working.

RSWB Coll 70-269, pres D. Hardman, ex quarry-man.
White opal, masses between quartz xls.

Wh Smith, Lelant, Corn

See E. Providence M

Wh Snuff, St Ives, Corn

See North Battery Tin M.

1" 187

SX 419 615

Wheal SOPHIA, Botusfleming, Cornwall

AKHJ?

1" 186

~ SX 35 80

Wheal SOPHIA, Lezant, Cornwall

See also GREYSTONE Pb M, etc.

AKHJ (1969) XV, 53-55. Immed. to N of ^{ad}lode
Greystone Pb mine. Adit driven on lode
from 1846; shafts. Lode at adit level
had traces of yellow Cu ore [chalcopysite],
malachite, & mundic [pyrite]. Worked
intermittently. First Cornish mine in which
charge deton. by electricity (1852). Closed 1854.
Prob. = the "old shaft" on OS map, in
Longstone plantation.

South Terras mine, St. Stephens,
Cornw

See under "T" - South Terras mine

1" 186

SX 28 71

SOUTH YOLLAND FARM, Caradon, Cornwall.

See also TRENUETH MILL

MM 15 238

Idocrase ✓

14190 ~~SW 705416~~ (nr)
WHEAL SPARNON, Redruth, Cornwall (I) 5
See also PEDNANDREA M; E. SPARNON M
Min. Mag. 30, 262, (1953). Löllingite.
Smaltite.
C Hintze (1904) "Handbuch der Min'e" 1 [2] 1229, 1233 Claudetite [?]
Rotley, 15th Ed, p. 200, erythrite.
JC (1871), 53: (Sn, Cu, wkg.) Agate; arsenolite;
bismuth; bismuthinite; cobaetite;
erythrite; fluorite; gold; millerite;
rock xl.; smaltite.
Rudler (1905), 18. Gold found by J. Garby from a
cross-course. (In quartz, on dump, in 1844
AR MM (1945) 27 2)

CMRM (1995) Claudetite(?); safflorite; nat. silver; "pitticite"
quartz ("rock crystal")

AR MM 27, 3: GeL (1858) gives arsenolite in
smaltite. AR has not seen any.

W. Phillips (1823) Nat. bismuth in feathery masses
in arsenical Co [? smaltite]. Bismuthinite;
erythrite;

AKMS (1962) 3, 19 ff. Map facing p. 20. Copper ore.
Cobalt ore in the western X-course; as a major
product. Cobalt Lode worked down to 70 fms.
Very old. Included Wh's DUMPLING, PENTICKER,
& DOR EAR. Co production mentioned in 1810
Tin ore. Co lode worked down to 70 fm.
By 1826 working solely for Co. Worked with
Pednandrea mine in 19th Cent.

Wh. SPARNON, Redruth, Cornwall (II)

BMSN (2000) 579. Alan Hinton: "flashy" torbernite,
pharmacosiderite, scorodite.

1" 190 SW 707 417
EAST SPARNON MINE, Redruth, Cornwall.

See also Wh. SPARNON.

AKHJ (1962) 3 23. Beyond E x-course of Wh. SPARNON
Working 1792-1798, 1805-1808. Copper ore

BMSN'l (2001) 60, 8. Robin Selley's MM: torbernite
on smoky quartz w. minor haematite -
E. Wh. SPARNON.

1" 189

SW 3733

Wh. SPEARN, St Just, Cornwall.

See also LEVANT M., SPEARN CONSOLS, SPEARN
MOOR MINE

1" (189) SW 372 338

SPEARNS CONSOLS MINE, St. Just, Cornwall. StJ 59

See also SPEARN MOOR MINE (StJ 17), LEVANT H., Wh. SPEARN

JC (1871) 48: Tin mine. "Spearne Consols"

1" 189 2 1/2" SW 33 368339
SPEARNS MOOR MINE, Roscommon, St. Just, Cornwall 17

See also LEVANT M; SP. CONSOLS; WH. SPEARN;
Tin and copper mine. STAMPS & TOWL ZAWN

SPEARNS CONSOLS MINE, 1" 189 372338 (See St. 59)

g Bowness' cuprite loc?

Visited Aug 1959. KSWB. loc 141. Red dump.

Red Haematite-coated quartz plentiful, often in fine xls.
In vughs in red qtz matrix — green hexag.
plates up to 5mm across: ? Malachite ✓ pseudo
after pseudohexagonal chalcocite. ✓ Also
blue and green crystalline minerals and some
unaltered chalcocite, sometimes in pseudohex. plates.

ATO

CLIFFS below SPEARN MOOR MINE,

RSWB 8/54 Loc 142. Metamorphic. good Axinite.

garner; tourmaline,
Almandine?

JC(1871) 48: (Spearth Moor Mine; Sn, Cu, Wkg.) Fluorite; rock xl.

1" 189

nr St Ives

SW 52 38

Wh. SPEED, Lelant, Cornwall.

H. 55

See also Wh. PROVIDENCE (H5); CARVATH UTD, St Austell;

LITTLE Wh. SPEED shaft 520 s 3857 RSWB (1959) u/s.

cf Wh SPEED, GERMOR SW 56 28

LC (1871) 49 PROVIDENCE MINES (incl. Wh. SPEED). Wh. SPEED:

Cassiterite; chalcocite; azurite; cuprite;
felspar; malachite; pyrite; schorl;
melanconite.

W. Phillips (1823) Cuprite ("SPEED & CARVATH, St Ives")

RK Harrison & K. Taylor, Bull GSGS 25 41. "Radian angles. from

Wh. Speed, Cornw." Radian anglesite, small euhed. xls liber. scatt'd

through U-hydrocarbon w. pyrite & m-torbernite I, in adit
250 yd W of New Sh., $1\frac{1}{4}$ ml S of St Ives. Pitchblende
on dumps.

AKHJ (1961) 1 31

Part of W PROVIDENCE

Dines (1956) 122

Burt et al (1987) SOUTH Wh SPEED
SW 523 381

R. Selley (2014) BMSN 91, 21 Vuggy quartz in killas,
weathered pyrite, a little anatase and
cassiterite

1" 189

SW 563287

Wh SPEED, germoe

cf Wh. SPEED Lelant (ca "st-iver"), SW 52 38

AKHJ at SW 563 287

1" 189

SW 559 283

Wh. SPEEDWELL, ^{Germoe?}
Breage, Cornwall

Dewey (1923) Cuones 1819-54

DBB (1963) "W. Corn". 22. Between GT. WESTERN Mts & the
coast; nr. Prussia Cove. Worked mainly for
Copper, 1819-1854. ca 76 fm deep.

Wh. Speeries, St Agnes, Corn.
See Polberro M

1" 189

SW 473 380 ; 478 380

WH¹s SPERRIS & SANDWICH, Towednack, Cornwall

AKHJ (1961) $\perp$ 15 Combined. Tin one. Probably
known as Wh. CARNE in early days, and
in 1853 as GT. SPERRIS CONSOLS.

Wh Spinster, St. Day, Corn.

See W. Wh. Damsel

Wh Spree, Lelant, Corn

See E. Providence M

1"185

SW 840 647

WHEAL SPRY, Newquay, Cornwall.

See also WATERGATE BAY.

AKHJ

At 840 647

Wh. Squidder, Sr. Agnes, Conn.

See Polberro M.

1" 190

SW 74 41

Wh. SQUIRE, Gwennap, Cornwall.

See also SE DAY UTD. M's., W. Wh. SQUIRE; TING TANG;
Wh. LOVELY.

Dewey (1923) 35. Part of (SE. DAY) UNITED MINES.

On GREAT LODGE, and 8 other lodges.

Cu ores sold 1817-25, 1852-53.

In TING TANG is a Flat Lodge, a continuation
of the Wh LOVELY & Wh. SQUIRE LODGE.

1" 190

SW 74 41 ?

WEST Wh. SQUIRE, Gwennap, Cornwall.

See also Wh. SQUIRE

Dawey (1923), 36. Cu ores sold, 1818-22.

1" 189

SW 364 341

STAMPS and JOWL ZAWN, St Just, Cornwall

See also SPEARN MOOR M.

BM (AWGK Coll.) V.v.g. axinite large clear
sharp crystals in cluster

Garnet - large brown opaque boulder
on cliff-top at 365 341.

Francolite at 364 3395

STAMPS & JOWL ZAWN:
PHENAKITE

Russ. Soc. AGM, 4/91

1" 189

SW 3 3 (?)

Wh. STENNACK, St. Just, Cornwall. StJ 60

JC (1871), 48: Jasper.

Not in Dines (1956), Bust et al (1987) or AK+J.
No "stennack" on OS 2½" SW 33 or on
OS 1" map in vicinity of St Just.

1" 185

SW 96 55

STENNAGWYNN MINE, St. Stephen-in-Brannel, Cornwall (I) SA 1

Near Foxhole nr St Austell.

"Now under a childrens playing field - no dumps" AWGK (1958) Priv Comm

Foxhole: 1" 190 965 548

See MM 30 619

AWGK, RbSC (1952) Fluellite $\text{AlF}_3 \cdot \text{H}_2\text{O} (!)$, minute colourless or whitish in cavities or joints in an altered granite, which are usually lined with qtz or in cavities in or at the edge of thin qtz veins running through the veinstone. Wavellite, radiating tufted. - has been mistaken for natrolite, mesolite & "taxistockite"!

MM 31 502 (1957): carpholite.

Rutley, 15th Ed., p. 89 - Apatite; p. 107 - Wavellite on decomp. granite; p. 159, torbernite; p. 180, Stannite
A var of muscovite

BM Carpholite, yellow fibrous; gilbertite with apatite
↓ MM 31 502 (1957)

PGE, EEF, MM (1969) 285 123 The "tavistockite" is wavellite
with quartz, cassite, fluor, chalcocite, opal, torber, fluell, bioFite, gilbert, chalcedony or opal
JC (1871), 61. (Sn) Apatite; autunite; cassiterite;

fluellite; fluorite; gilbertite;
mesolite? natrolite? opal; talca;
stannite; tavistockite? torbernite;
wavellite? wolfram.

* AWGK, R6SC (1964). "Mesdite", "natrolite", & "tavistockite" are all the radiating fibrous wavellite!
Kudler (1905), 20. Stannite

27 Fluellite on quartz, with
cassiterite, fluorite, "uranite", muscovite,
& wavellite. gilbertite

82 "Uranite" with fluellite

AWGK, R6SC (1959) 19. 42 fluellite with wavellite & occas. autun. + torb.
MM 30, 61a:

W. Phillips (1823) Stannite said to have occurred. "uranite"
BVC. Spec → RSWB 6/79. ? Scorodite, green micro xls.

STENNAGWYNN MINE, St. Stephen-in-Brannel, Corn. (II)

CMRM (1995) Tourmaline ("achroite")

1" 185
STENALEES,

SX
Cornwall

04 57

Parkinson's Cat. (1959). Wavellite, colourless tufts
with kaolinite, on quartz. Turquoise,
pale blue veins in quartz & kaolinite;
sashleightite, blue-green veins & incrustations
in quartz. Amethyst, x-line aggregates.
Gilbertite, honey-yellow masses in
school [tourmaline].

STOWES MINE, Linkinhorne, Cornwall.

See Wh. PHOENIX

1st 1899 SW 61 34
WHEAL STRAWBERRY Gwinear, Cornwall 47

JULIA MINE See also BINNER DOWNS MINE

Henwood.

JC (1871), 51. Wh. STRAWBERRY, Crowan. Blende;
chalcopryite; melanconite; pyrites.

DBB (1963) 18 Near BINNER DOWNS MINE, worked
at same period. Smaller than B.D. Mine.
Old burrows can be seen E of B3302
road.

Dewey (1923) Wh. STR., Crowan. Cu ores 1830-37

STRANGLES BEACH, Crackington Haven, Corn.

See CRACKINGTON HAVEN

Wh. Strawberry, Lelant, Corn

See Wh. Merth

EAST Wh. STRAWBERRY, St. Stephen. Cornwall.

See ST. AUSTELL CONSOLS

1" 189 SW 65 40
STRAY PARK MINE, Camborne, Cornwall 17

Henwood | See also DOLCOATH MINE, etc.

JC (1871), 51: (Cu, Sn, wkg.). Cassiterite.

Dewey, (1923) Included in DOLCOATH MINE. "Main Lode"
v. rich in Cu ore down to 124 fm level.

Wh Strippan, Morvah, Corn

See Morvah Hill M

Suit & Cloak M, Redsmith, Conn.

See Pednandrea M

1"189

SW 59 32

Wh. SUSAN, Sithney, Cornwall.

M 63

Jc (1871), 55: (Sn, Cu) Chalcocynite; copper;
cassiterite; mica.

Not in AKHT, Burt et al (1987). The only
Wh SUSAN in Dines (1956) is at Camborne
at SW 65 41 [p 312]

1" 190

SW 801. 312 3

SWANPOOL MINE, Falmouth, Cornwall. 2 ~~1~~

JC (1871), 57: (Pb) galena; pyrite; rock xl.

CMRM (1995) Bournonite

1" 186

SX

SWIT QUARRY

Bodmin Moor, Cornwall

SX (16) 17, 18 (26) 27 28

CMRM (1995) Beryl

1" 189

SW 576 282

SYDNEY COVE MINE, Breage, Cornwall

DBB "W. Corn" (1963) 21 At Prae Sands. Little remains

1"189

SW

579

286

SYDNEY GODOLPHIN MINE, Breage, Cornwall

DBB "W. Corn" (1963) 21. At Prah Sands. Little remains

Wh. Talent, Lelant, Corn

See E. Wh. Reeth

Wh. TALLACK, St. Agnes, Cornwall

See Wh. GERTRUDE

1" 187

SX 433 629 ~~629~~

TAMAR MINE, Landulph, Cornwall

See also GREYSTONE (N. TAMAR) M., HANCOCK M.; the various other TAMAR M's in DEVON.

Dines (1956) 684-5 Prob. = PARK VALLEY

SILVER-LEAD MINE :- A transverse section shows 2 lodes, 2 sh's, adit. One of the shafts may be beside old engine house on W bank of Tamar, 250 yd NW of Cargreen. Ag-lead ore returned

NORTH TAMAR MINE, Lezant, Cornwall

See GREYSTONE Pb M.

i"

S

TATER-DU

Cornwall

W1 G22

CMRM (1995) Axinite (see under scapolite);
scapolite (? wernerite) (TATER-DU GREENSTONES) (?);
zoisite (see under scapolite);

TELSTAR QUARRY, Mawgan-in-Meneage, Corn.

See COUNTY BRIDGE Q'y.

1" 186
TERRACE HILL QUARRY, ^{5x 10 60} Lostwithiel. SA 16
Cornwall

AR, MM (1910) Apophyllite ✓ 15 382

JE (1891), 62: Axinite ✓

Kaynes Cat. (1960) Grossular ✓

GM: VG axinite ✓

Rudler (1905) 30. Axinite ✓

GeL (1858) Fine xls of garnet ✓ lately found here.

AR MM 21 A little N of Lostwithiel. Interesting

exposure of calc-silicate rocks with a small
mineral vein. Grossular, axinite,
datolite, galena, pyromorphite.

1" 185

SW 932 528

TERRAS MINE, St. Stephens, Cornwall. SA 47

See also S. TERRAS MINE (SA 11).

JC(1871) 60: (Sn) Kaolin; cassiterite

Truro Mus: Scorodite

CMRM(1995) Pharmacosiderite (TERRAS
IRON MINE)

SOUTH TERRAS MINE, SW 1" 190 932518 (GR 934523) St Stephens Cornwall SA(I) 11

2m N of grampound by stream N of woods & W of Presagoo Lane End
See also TERRAS MINE (SA 47)

AWGK, RGSC (1952). Bassetite $\text{Fe}(\text{UO}_2)_2(\text{PO}_4)_2 \cdot 8\text{H}_2\text{O}$, with
other U mins, "not yet identified".

Conked out, private land - AWGK, priv comm, (1958) [the sod!]

Pitchblende, bassetite (AWGK, RGSC, (1952))

James RGSC, (1947); Robson, RGSC (1949): ratherfordine (UO_2CO_3)

Rudler (1905) 81. In recent years U ones successfully worked
at Grampound Rd in parish of St. Stephens, at a mine
formerly worked for Sn, under name of S. TERRAS.
Abundant gozzan near surface yielded a variable
mixt. of earthy mins. containing U, chiefly

in forms of cupro-uranite [torbernite] & calco-uranite [autunite]. These gave way below 10 fm level to pitch blende in a quartz veinstone, assoc with much iron oxide & occas. bunches of copper ore & argentif. galena.

Ores formerly treated by B. Killo who says they occurred in a vein ca 3 ft wide, N'S through killas.

The 11 mines have been recently visited by Mr. Clement Reid of the Geol Survey. It appears that there are at least two 11^e veins (cross courses), & that one is assoc with much magnetite & garnet. He has observed a green garnet, which seems to be grossular, which it is believed has not previously been recorded from Cornwall.

SOUTH TERRAS MINE, St. Stephens, Cornwall (II)

AWOK, MM (1965), 72. = RESUGGA = TOLGARRICK MINE,

Iron lode, intersected by a U lode.

Iron lode has magnetite, actinolite, axinite, garnet.

U-lode is of Ni-Co-As-Bi-Ag-U type. Arsenopyrite,

löllingite, nickel & cobalt sulphides, pyrite,
a little galena, chalcopyrite, chalcocite.

Ni, Co mins include rammelsbergite,

gersdorffite, nickel-rich skutterudite.

Erythrite, annabergite, scorodite, pharmaco-

-siderite; pitchblende (died out in depth,

giving way to Ni Co As minerals), U secondaries.

now xanthiosite ✓ $\text{Ni}_3(\text{AsO}_4)_2$ - pure golden
yellow; & aerugite ✓ $\text{Ni}_9\text{As}_3\text{O}_{16}$ [greenish].

BSWB A phosphuranylite group mineral
(BM xray); Kasolite (BM x-ray) "Known" - PGE

PGE, Ariv. Comm. via SRK 1/70. Trögenite ✓

BSWB (8/66) 5 51; BSWB, TBG (8/67) 5 92; Shaft at

935 523 open in 1966, filled in by 1967.

Often blackened by oxidation → Quartz; torbernite; Kasolite [BM xray 12846] with
tiny yellow plates phosphuranylite group [BM xray 12847]
yellow powdery beaverite [IR] on qtz; massive
sooty pitchblende; torb → bassettite; lemon yellow
powdery

SOUTH TERRAS MINE, St. Stephens, Cornw (III)

Embrey PG (1977) 4th Supp list of Br Mins.
Franceville

Ryback & Tandy (1992) 8th Supp list:
gramaccioli (1954) Natura (Milano)
46 30-32 Carnotite? (qual chem
anal only.

CMRM (1995) Andradite; asholite (asholane)
coffinite; kankite; olivenite; saléeite;
meta-saléeite; zinnerite; zippeite;
bismutoferrite; mixite; ~~brank~~ quartz; hornblende
smoky

MMerry Spec $\rightarrow$ RSOB 9/00. Class tiny sparse xls $\equiv$
IR = anglesite; pale green blobs = near
torbernite

GR, J. Russ Soc ('01) 7, 51-70. AWGK's
bismutoferrite is doubtful (prob. ex
Schneeberg, Saxony); his laerugite &
xanthiosite very doubtful (ex. Johann-
georgenstadt, Saxony)

RSN ('02) 40 30. Visit (9/01). Small torbern xls,
yellow needles (unident.). Higher up, larger
dump - a mixt of "hornblende" + magnetite ("not of
specimen ~~material~~ quality")

SOUTH TERRAS M., St. Stephens, Cornw (IV)

MM Spec → RSWB for ID (8/2012). Tiny
sparse cream-coloured needles on
partly smoky quartz xls. FTIR =
phosphatic mimetite.

SOUTH TERRAS M., Corn. (GR)

LOc: South Terras mine (card 1)
Old Co: Cornwall New Co: Cornwall Grid Sq: SW95
PArish etc: St. Stephen Map: M200
PLace names: South Terras mine, Resugga & Tolgarrick mine, Union mine, Uranium mine,
Grid E: 9.35
Grid N: 5.24
PErs. names: Kingsbury pers.comm.,

Minerals: magnetite, rutherfordine-first Brit. [?], uraninite (pitchblende), torbernite, autunite, zippeite, pyrite, arsenopyrite, galena, "gummite", johannite, bassetite,

Trace/minor el:

Ore, mine: U

LOc: South Terras mine (card 2)
Old Co: Cornwall New Co: Cornwall Grid Sq: SW95
PArish etc: St. Stephen Map: M200
PLace names: South Terras mine,
Grid E: 9.3
Grid N: 5.2
PErs. names: Kingsbury specimen,

Minerals: bismutoferrite-first Brit., quartz, bismuth, actinolite, garnet, magnetite, rutile?, coffinite, uraninite (pitchblende), pyrite, siderite, chalcopyrite, marcasite, sphalerite, galena,

Trace/minor el: age determination

Ore, mine: U Fe

LOc: South Terras mine (card 3)
Old Co: Cornwall New Co: Cornwall Grid Sq: SW95
PArish etc: St. Stephen Map: M200
PLace names: South Terras mine,
Grid E: 9.3
Grid N: 5.2
PErs. names: V.P. Aspland specimen, S.A. Rust specimen, A.L. Ellis specimen, Brian Smith specimen, M. Merry specimen, Wolloxall specimen,

Minerals: xanthiosite-first Brit., xanthiosite-anal, xanthiosite-type (neotype) loc., aerugite-first Brit., aerugite-anal, aerugite-type (neotype) loc., quartz, uraninite (pitchblende), lollingite, rammelsbergite, gersdorffite, skutterudite-Ni, erythrite, annabergite, scorodite, pharmacosiderite, francevillite-first Brit., cassiterite, torbernite, cobaltite, brochantite, kankite-first Brit.?, zeunerite?, mimetite,

Trace/minor el:

Ore, mine: U

LOc: South Terras mine (card 4)
Old Co: Cornwall New Co: Cornwall
PArish etc: St. Stephen
PLace names: South Terras mine,

Grid Sq: SW95
MAp: M200

Grid E: 9.3

Grid N: 5.2

PErs. names: Barstow specimen,

MInerals: skutterudite, erythrite, quartz, uraninite (pitchblende),
trogerite-first Brit., bassetite, zeunerite, carnotite-first Brit. [?],

TRace/minor el:

ORe, mine:

LOc: South Terras mine (card 5) (A)
Old Co: Cornwall New Co: Cornwall
PArish etc: St. Stephen
PLace names: South Terras mine,

Grid Sq: SW95
MAp: M200

Grid E:

Grid N:

PErs. names: Kelvin Phillips specimen,
R.W. Bogae specimen, Kingsbury
specimen, Golley specimen, Barstow
specimen, Elton data, BM specimen,
Lloyd specimen, Dossett specimen,
Braithwaite specimen,

MInerals: kankite, antlerite, arthurite, pharmacosiderite, uranocircite-error
for zeunerite or metazeunerite, francevillite, kasolite,

TRace/minor el:

ORe, mine:

LOc: South Terras mine (red GR card) (A)
Old Co: Cornwall New Co: Cornwall
PArish etc: St. Stephen
PLace names: South Terras mine,

Grid Sq: SW95
MAp: M200

Grid E:

Grid N:

PErs. names: Shrimpton specimen,

MInerals: arsenopyrite, scorodite-IR, unknown-arsenate unknown-IR,

TRace/minor el:

ORe, mine:

Wheal THOMAS, Perranzabuloe, Cornwall

See WHEALS BUDNICK

1" 186

SX 18 67

TIN VALLEY MINE, St. Aust, Cornwall. K 92

= Wh. MARY (COWSOLS)

VC(1871), 63: (Sn, wkg.) Cassiterite.

1" 189 668408 ~~SW 664~~ 66409 7

TINCROFT MINE, Illogan, Cornwall (I)
W of Carn Brea Stn. | See also Wh. DRUID; S. CROFTY MINE;

Truro Museum - Pitchblende; clinoclase

Rutley, 15th. Ed., p. 158, pitchblende; p. 159, torbernite
p. 179 cassiterite; p. 209, erubescite.

BM: Chalybite, semi-transp., with quartz; olivenite, with
limonite; bismuthinite; chalcocite;

Fluorspar, 113 (1952) N. Tincroft is part of S. Crofty Mine (C11)

JC (1871), 52. (Sn, Cu, wkg.) Cassiterite; chalcocite;
chalcopryite; chalybite; chlorite; cuprite;
erubescite; goethite; haematite; limonite;
lithomarge; melaconite; arsenopyrite;

olivenerite; pitchblende; pyrite; tennantite;
torbernite.

Rudler (1905) 30. Wolframite. 39 Bornite

Dewey (1923) 26: In killas, over granite.

BARNCOOSE = NORTH = OLD TINCROFT lode: quartzose.

SOUTH LODE, low in Cu.

PRYCE'S LODE has complex sulphide ores.

All lodes had chalcopysite & chalcocite in
upper parts, Fluorite, wolframite; conduurrite,
chryocolla, bornite, covellite. Native copper
formed a vein $\frac{1}{8}$ - 2 ins wide in the old Wh. DRUID
lode & also occurred elsewhere.

Cont'd II

TINCROFT MINE, Illogan, Cornwall (II)

W. Phillips (1823): Specular haematite; siderite;
olivine; ~~zinc~~ pitchblende; "uranite";
chalcocite; bornite; good xls chalcopyrite;
also mamillated; tennantite; cuprite.

CMRM (1995) "Blister" chalcopyrite; marcasite
("lonchidite")

1" 189

SW 50 36

OLD TINCROFT MINE, Towednack, Cornwall

See also Wh. SISTERS

S. Wh. TINCROFT, Illogan, Cornwall.

See Wh. PROVIDENCE

SW 189

SW 574 314

TINDENE MINE, nr Relubbus, Cornwall.

DBB (1963) 17-18. Opposite TREGEMBO MINE. Worked
in a small way to 1892.

TING TANG MINE, ^{1" 190 73.40 SW} Jwennap, Cornwall (I)

R 7

See also ST DAY UTD. M's.,

Chalcophyllite. ✓ v large, BM, v thin plates, with azurite

Rutley, 15th. Ed, p. 158, pitchblende. ✓

BM: Azurite, cryst. crust, with malachite & chrysocolla.

Henwood: chalcocite ("vitreous Cu ore"); Cu carbonates; Cu
arsenates ^{with} chrysocolla; azurite;

? Visited R510B '59 Loc 125? Dumps to E. of road. v/s.

Jc (1871), p 56: Chalcocite; chalcopyrite;
chalcophyllite; azurite; chlorite;

chrysocolla; clinochase; cuprite; limonite;
malachite; melaconite; melanterite;
 Olivenite; pitchblende; pharmacosiderite;
lithomarge; pyrite; forsterite; orthoclase.

Ruedler (1905) 41 "The gozzan went down to 150 fathoms..."

Dewey (1923) 35 ff. Part of (St DAY) UNITED MINES.
On GREAT LODE, a few degs N of E., $3\frac{1}{2}$ -8'
wide, in killas down to 100 fm level.
Oxides & sulphides of copper mixed with
pyrite & gozzan. Chalcocite, chalcopyrite,
melaconite, cuprite, malachite, & azurite,
all worked [?] At one place, 2' vein of solid

TING TANG MINE, Gwennap, Cornwall (II)

chalcocite for 20 ft. Also MIDDLE & ROCHE'S
LODES, rich in Cu ores including
melaconite; x-bedded cuprite, chalcocite.

Course ca E.

p. 37. In metam. slate. 5 lodes, acc. to Henwood:

MAIN L.: E 12° N chalcoppyrite, limonite, melaconite,
chalcocite. At 80 fm level, some
chrysocolla with melaconite & chalco-
pyrite. At 90 fm level some copper oxide.
At 140 fm level, malachite and azurite
with quartz & chlorite.

MIDDLE L.: E 21° N, 1-4 ft. At 90 fm level had

Ting Tang M

melaconite, chalcocite, x-limed cuprite. At 140
fm level, chalcocite, chlonite, granular qtz.
ROCHE'S L.: E 80's, 1½-3'. From 90-120 fm
level had chalcopryite, chalcocite &
melaconite.

Thomas states that there is a ~~FLAT~~ ^{FLAT} Lode with
both Sn & Cu ores; a continuation of the
Wh. LOVELY & Wh. SQUIRE Lodes. 7 fms to the
Sw the MUNDIC LODE

Cu ore sold 1816-35; 1845-47.

Truro Mus: Liroconite; chalcophyllite.

CMRM (1995) Chalcanthite; cuprite ("chalcotrichite");

TING TANG M., Gwennap, Cornwall (III)

RSN(1999) 35, 14. Paid to dig at SW 730 410. Persistent digging → good micros liroconite, azurite, pharmacosiderite, olivenite, scorodite, malachite, torbernite, ? libethenite. A nice torbernite, w. green plates, lying on surface! Oliven. is most abund., several lirocs found. Area not extensive, now much dug but still interesting.

RSN(2001) 39, 13. Visit to SW 727 409. Only a few micros of olivenite, scorod, torbern. Perhaps should have dug on opposite side?

C. Jewson (2004) BMSN 68 12. Anatase xls
on a lump supposed to be coll. at
T.T. mine.

RSN('05)47, 35, 45. vq pharmaco; oliv; azur,
scorod, chenevix chalcoc, cupy, ceprite
("tile ore"), kaolinite, malachite.

The first field trip of the 2004 season was very enjoyable and productive, thanks to the excellent preparative work done by Ian Soper, Jeremy Hooper and David Moulding. The weather forecast was somewhat discouraging, with overmuch emphasis on 'rain, heavy at times' but, as often happens in West Cornwall, our worst fears were unfounded with only one shower and even a few gleams of sun. The members dispersed over the small area of dumps and the usual rich variety of approach was seen, with the diggers and bashers, pokers and pickers, etc. Between us we collected examples of azurite, scorodite, pharmacosiderite, olivenite, cuprite, malachite, brochantite, chalcophyllite, arsenopyrite, pyrite, licronite, clinoclase (with some crystals in all cases), also chrysocolla and chenevixite (unconfirmed). The licronite was unfortunately growing on a very crumbly matrix, with some crystals almost in mid air hanging by one corner. Although this had allowed good crystal development, it caused problems in getting it home. Alas, having solved that problem, one piece collapsed after attempts (foolish no doubt) to reposition it in the specimen box. So then there were only two small pieces, but with benefit of x30 these are quite attractive. The clinoclase, however, consists of about six beautiful dark green/blue needles, -absolutely stunning if you rev up the power to x60, -beautiful is very small indeed in this case! Thanks are due to David for excellent organisation, and to the owner for permission to visit the site.

1" 190

SW 7 3

TINPIT QUARRIES, Mabe, Falmouth, Cornwall.

Quarries (1963-4): Working, granite.

[Mabe 75 32]

1" 185, 174

SX 05 88

TINTAGEL Cornwall. (I) E 20
~~See also~~ DELABOLE SKATE QUARRIES, (E 21), WEST QUARRY, etc, LANTERDAN Q.
LAMBS HOUSE QUARRY

JC (1871), 63: Cliffs: Albite; anatase; brookite?
aragonite.

LJS's book. Albite in slates.

Rutley 15th ed., p145: Albite. p.153; Anatase. p.169. Stibnite

B.M. Rutile hairs. Monazite, small brown xls, with albite
and v.g. quartz. [cf LANTERDAN Q'y]

Tilley (1944) [See MM 31, 788 (1958)] Alabandite in mineral
veinlet, with rhodochrosite.

Rudler (1905), 91. Quartz var. rock xl. in nests
along joints of slaty rocks in cliffs.

Smoky quartz.
p. 100. Albite, excellent xls in joints of slates,
with quartz & calcite. Monazite,
rutile & anatase in neighbourhood [see
LANTERDAN Q'y]

MM 12 358 Monazite, etc

MA 15 200 Magnetite - Barras Nose, Tintagel

Truro Mus: Vg quartz - Tintagel, & Lambs House Q'y, Tintagel

RSWB IV 213 (1965) Quartz veins nr "King Arthurs Castle". Poor at
with xls Delabole.

TINTAGEL, Cornwall (II)

RNOB 9/89. NE Quartz veins, at 051-2 889-91
cross valley near castle. Vuggy, with
crystals, mostly opaque, often 1 cm or
more across but usually confused and
somewhat iron-stained.

CMRM (1995) Chloritoid (reported "ottrelite" is chloritoid)

1" 186 SX 28 70
TOKENBURY MINE, St Ive, Cornwall

See also GLASGOW CARADON CNSLS.

Dewey (1923) Included in GLASGOW CARADON CNSLS.

TOLCARNE BEACH, Newquay, Cornw.

See NEWQUAY

1" 190
TOLCARNE MINE, Gwennap, Cornwall. SW 72 42 2
See also Wh. BASSET No.

Truro Museum: Pitchblende. ✓

Torbernite. ✓

Dines: 1) Carn Brea p 300 ff

2) Gwennap 400 ff

3) South 300 ff

4) St Agnes 437-8

See C 12 ● "South Tolcarne Mine, Camborne."

Rutley, 15th. Ed., p. 205, copper. ✓

Part of
W Jewell

TMH (1868), 36: (Cu) Auriferite; copper; pitchblende;
torbernite. ✓

Dewey (1923) 27 Discussed with Wh. BASSET [qv].
wrong one - This is the Carn Brea one.

1" 189
SOUTH TOLCARNE MINE, ^{Corn Brea SW 65 38} Camborne, Cornwall C 12
See R2 "Tolcarne Mine", gwenap.

AWGK, RG-SC (1952) Connellite known from here.

BM: vg Chalcophyllite, on dark red matrix; cuprite.

Dewey (1923) 29 Cu ores produced 1859-1883

Dines, Tolcarne + S Tolcarne, Corn Brea. 1 mi SE of Camborne church.

CMRM (1995) Autunite; parnaunite;
pseudomalachite;

BMS Newsl (1999) 52, 6. Anatase. ~~Also~~ lies to

BMS coll - C. Jewson.

TOLGARRICK MINE, St. Stephens, Cornwall

See SOUTH TERRAS MINE

TOLGUS DOWNS, Redruth, Cornwall

See Wh. TOLGUS; S. TOLGUS; W. TOLGUS; Wh. GILBERT

1" 189

SW 68 43

Wh. TOLGUS, Redruth, Cornwall.

See also S. TOLGUS M., W. TOLGUS MINE, Wh. GILBERT
Wh ALICE (= E. TOLGUS)

Rudler (1905), 92. Amethyst.

AR MM 20 299. In sinking New Engine Shaft, in 1924
found a small mass of arsenic at 500 ft
in killas

AWGK MM 32, 921 New Tolgus Sh. Danalite, axinite,
garnet.

CMRM (1995) Psilomelane

Burt et al (1987)

TOLGUS CONSOLS	669 421
W. TOLGUS	679 427
S. TOLGUS	685 426
TOLGUS	686 431
Gt. S. TOLGUS	687 422
Gt. N. TOLGUS	688 440
OLD TOLGUS LTD.	689 435
N. TOLGUS	693 443

East Tolgus mine, Redruth, Cornwall

See Wh. Alice

1" 189

S. TOLGUS SW 689 428
6t. S. TOLGUS SW 687 422

~~SOUTH TOLGUS MINES~~ Redruth, Cornwall R236

~~See also W. TOLGUS MINE (R33), Wh. TOLGUS, Wh GILBERT~~

BM Danalite, massive red-purple. $(\text{Fe}, \text{Zn}, \text{Mn})_4 \text{Be}_3 \text{Si}_3 \text{O}_{12} \text{S}$

Rutley, 15th. Ed., p. 207 chalcopyrite at Wh TOLGUS, Cornwall

Fluorspar, 113 (1952). Camporne/Redruth area.

Collins (1871) p 53. "gt. S. Tolgus", Redruth. (Cu, working). Chalybite;
erubescite; arsenopyrite; wad.

CMRM (1995) Danalite

1" 189

SW ~~427~~ 427
679

WEST TOLGUS MINE, Redruth, Cornwall R 53

See also S. TOLGUS MINES (~~R 36~~), Wh. TOLGUS, Wh GILBERT

JC (1871), 53. (Cu, wkg.) Chalcopyrite.

? = Wh. RAVEN

1" 189

SW 36 21

TOL PEDN PENWITH, St. Levan, Cornwall. St) 35
37 22

JC(1871) 46

"Pinile"

1" 186

SX 271

819

TOLPETHERWIN, S. Petherwin, Cornwall

See also LEWANNICK HILL, INNY CONSOLS,
~~Palygona~~ POLYPHANT Q.

Dines (1956) 713 Adit close to E side of
road 150 yd N by E of Two Bridges
with shaft 140 yd to NNE. Dumps
have quartz, ankerite.

cf LEWANNICK (HILL); ? = INNY CONSOLS of AKHT

CMRM (1995) Epidote (TOLP. Q); jamesonite;
"pilotite" (? = palygorskite) (OUM spec, coll AWOK); zoisite;

2 1/2" SW 53 532304

TOLVADDEN MINE
or TOLVADDON MINE

Perranuthnoe, Cornwall (I) M⁶
See also Wh. JEWELL.

$\frac{3}{4}$ mile E of Marazion.

534307 ^{SW} [Wh Jewell]

AWGK. Dump on N side of road: Decant pharmacosiderite.
Priv. Comm

Dump on S side of road: Xls of anatase in chlorite.

Visited, Aug 1959, RSWB. Dumps on N side of road
Wh. Jewell? { at 533306 (Loc 137). Collected. good
pharmacosiderite; large galena; ~~large pyrite~~
~~large pyrite~~ brochantite
Loc 136. brochantite

Dines (1956), 181. Cu mine in Killas, which also produced
some Sn, Pb, & Zn in the 1850's. 1/2 ml E by S of Marazion

Dewey (1923) Cu ores 1857-66

RSWB, Vic Rae 7/93 Dumps S of road.
Quartz matrix, w. chlorite. Bornite
(presumably) breaking w. iridescent ~~metallic~~
lustre. Connellite with brochantite (?),
malachite, radiating.

CMRM (1995) Tungstite ("W ochre"); delafossite

BMS News (1995) 41, 10 "R. Bell found evident delafossite at
TOLVADDON M."

1" 189 471278 SW
WEST TOLVADDON MINE, Penzance, Cornwall SHJ 21

Nr. Guavas Quarry

1" 186

SX 357 650

TOP WOOD MINE, Pillaton, Cornwall

CMM (1995) Rhodonite

Wh. TOWAN, Illogan, Cornwall

See Wh. SALLY

1" 189

Cent on SW 696 481

Wh. TOWAN, St. Agnes, Cornwall. A 43

See also S. Wh. TOWAN (A 44); NEW Wh. TOWAN (A 45).
E. Wh. TOWAN,

JC (1871), 58: (Sn) Blende; cassiterite;
chalcopryrite; chalybite; chlorite;
limonite.

MM 13 190 Chalcopryrite

Dewey (1923) 19. Cu ore produced 1815-1835

W. Phillips (1823) Siderite; good xls chalcopryrite.

AKHJ (1962) 2 7-12, 14-15 Old mine, once one of richest Cu_{min}

mines in Cornwall. First mentioned as "Wh. SOUND", at
W end of salt, in 17567. - "Wh TOWAN" by 1765. On p. 11
in a section of 1830).

Much yellow copper ore [chalcoppyrite] and
black jack [sphalerite]

Wh TOWAN + E. TOWAN = GT. TOWAN CONSOLS of 1820's.

1" 190

SW 703 484

EAST TOWAN MINE, St. Agnes, Cornwall

AKHJ (1962) 2, 12-13, 14 Started on presumed extension
of Wh. TOWAN lodes. Some copper ore
[? chalcopysite, presumably]

E. TOWAN + TOWAN = GT. TOWAN CONSOLS of 1820's

1" 189

SW 699 472

NEW Wh. TOWAN, St. Agnes, Cornwall.

A 45

See also Wh. TOWAN (A 43); S. Wh. TOWAN (A 44).

JC (1871), 58 (Sn, Cu, wkg.) Cassiterite; pyrite;
chalcopyrite.

Burt et al (1987) at 699 472

1" 190

Near SW 703 488

NORTH TOWAN MINE, St. Agnes, Cornwall

See also Wh CHARLOTTE (?=)

= CHARLOTTE LTD
= NEW CHARLOTTE

AKHJ (1962) 2 13-14 No connection with Wh. Town,
back of lode gozzany & promising but
found to be poor. Reopened 1830's as
NEW CHARLOTTE M. & in 1877 as CHARLOTTE
UNITED M. (as on OS map)

R. Selley (2013) BMSN (90) 31. Quartz/chlorite
tourmaline, ~~man~~ vuggy, with pale blue xls
anatase also dark blue pyram. Cassiterite
xls (rough) → 8 mm

1" 189

SW 68 47

SOUTH TOWAN MINE, Redruth, Cornwall R 54

See also Wh. SALLY (= W. Wh. TOWAN) (C 6)

JC (1871), 53: (Cu, wkg.) Bitumen; chalcoprynite

BM: "Wh. TOWAN" - chalcopryrite, with arsenopyrite

1" 189

SW 696475

SOUTH WH. TOWAN, St. Agnes, Cornwall. A 44

See also WH. TOWAN (A 43); NEW WH. TOWAN (A 45).

JC (1871) 58 (Cu, wkg.) Bismuth; chalcopryrite;
chalybite; chlorite; limonite;
pyrite.

AKHJ (1962) 2 14 Mention. Near Wh. Gertrude,
Towan, Duchy etc.

Burt et al (1987) 696 475

Is it = the Redruth one (68 47)?

W. Wh. TOWAN, Illogan, Cornwall.

See Wh. SALLY

1" 189

SW 54(7) 38(0)
53 37

WEST Wh. TOWAN, Lelant, Cornwall

AKHJ (1961) 1 40-41 = Wh. FORTUNE of 1747 =
W. WH. LUCY of 1872

A no. of lodes around e to N of Lelant

Copper ore, some cassiterite.

"Wh. Hope, Lelant" advertised in 1845 — ??

"Wh Alice, nr. St Ives Road Rly Stn [St. Erth Stn]" (1877) ??

[? = TRELOWETH - RSWB]

"Wh Friends, Lelant" working 1826 nr Lelant village

1" 189

SW Nr. 66 30? 66 29?

TRANNACK QUARRY, Sithney, Cornwall.

See also Wh. Trannack.

Quarries (1963-4). Working, igneous

1" 189 SW 661 296 M 32
WHEAL TRANNACK, Helston, Cornwall

Henwood.

JC (1871), 55. Wh. TRANNACK, Sithney: (Cu). Cassiterite;
chalcocite; chrysocolla; chalcoprynite;
garnerite; mica; pyrite; schorl.

Dewey, "Cu" (1923) 6. Chalcocite & chalcoprynite
in granite

Wh. Treasure, Perranzabuloe, Corn.

See Silver Well mine

1" 185

SX 08 55

Wh. TREASURE, Tywardreath, Cornwall.

See also FOWEY CONSOLS, etc.

Dewey (1923) 42. Included in FOWEY CNSLS.

Treasure Trov adit, St Agnes, Conn
See Pine Royal M

1" 189

SW 61 34

Wh. TREASURY, Gwinear, Cornwall.

See also Wh. TREMAYNE etc., W. Wh. TREASURY, Crowan.

Dines (1956) 165. Just E of Wh. LAMBO

DBB (1963) 18. To E of Wh. TREMAYNE, on same
lodes. Rich Cu mine, also Sn. Closed
before 1870.

1" 189

SW 598 345

WEST Wh. TREASURY, Crowan, Cornwall

See also Wh. TREASURY, ⁶⁴ ~~58~~ Guinear

Dewey (1923) Cuones 1845-54

Bart et al, (1987) at 598 345

1" 186 256 777 SX 16
TREBARTHA, nr Altarnun, Cornwall

Shown on G.R.'s $\frac{1}{2}$ " Cornwall map, $2\frac{3}{4}$ miles SE of Altarnun.

Rutley, 15th. Ed, p. 164, manganite. ✓

TREMOLLETTM MINE, North Hill, Cornwall 6" 22SE (1907)

"Trebartha" in Rushley MS Catalogue.

ARMM (1946) On roadside below Middle & West Tremollett ↑
Reworked 1874. Adit dump & a shaft in the field
on opp. side of road. Overgrown. Pyrolusite &
psilomelane, but no rhodonite — One old spec. of
rhodonite exists.

1" 189

SW 543 292

Wh. TREBARVAH, Perranuthnoe, Cornwall
= Wh. CASTLE

DBB "W. Corn" (1963) 22. Cu mine near
Perranuthnoe, worked before 1850.

1." 186

{STRAND

Sx 04 86

TREBARWITH QUARRY, Tintagel, Cornwall

CMRM (1995) Arsenopyrite (T. Qu.); Rhodochrosite
(T. STRAND);

1" 186

SX 32 78

TREBULLETT MINE, ~~Sydenham~~ Lezant, Cornwall

See also TRENUTE MINE

Dines (1956) 661. Near Trenute.

CMRM (1955) Ankerite; "antimony ochres";
kermesite (? - by colour); stibiconite; stibnite;
dickite

1" 185

SX 05 79

E 18

OLD TREBURGETT MINE, St. Teath, Cornwall.

See also PENGENNA MINE

JC (1871), 62: (Pb, Ag, Wkg.) Blende; chalcopysrite;
pyrite; polytelite (p 45 = freibergite,
a silver containing tetrahedrite)

AWGK MM 32 432 $\frac{3}{4}$ ml SW of St Teath. Bendantite,
carminite, mimetite, scorodite, calcite,
ankerite, siderite, galena, blende,
arsenopyrite.

CMRM (1995) Boulangerite; hydrozincite (ident vis. & UVX?);
Ag-tetrahedrite ("polytelite")

1" 186 235 793 ✓ 237 795 5X
TREBURLAND MINE, Altarnun, nr Tavistock,
Mn mine. Cornwall

Min. Mag. 27, 223, (1946). Rhodonite, transp. xls.

BM Pyrosmaltite, granular (AWK, see MM 32 244)

AR, MM (1946) 27, 225 Bementite $\text{MnSiO}_3 \cdot \frac{1}{2}\text{H}_2\text{O}$

Tilley MM (1946) 27 236 Bustamite $(\text{Mn}, \text{Ca}, \text{Fe})\text{SiO}_3$
p 237 Manganhedenbergite $(\text{Ca}, \text{Fe}, \text{Mn}, \text{Mg})\text{SiO}_3$

AR & Tilley, loc cit - Tephroite Mn_2SiO_4 .

Rayners Cat. (1960) "Treburland Mine, Altarnun, Cornwall" Magnetite +
rhodonite

MM 32 921 Genthelvine; molybdenite

Treburland M

B. Young (1988) Min Mag 52 415-6

Birnessite from the small amount of dump material which remains (at 237-795) as hard, black, glossy, rather brittle massive crusts to 10 mm thick around masses of rhodonite & tephroite, & commonly coated with earthy, black pyrolusite (the main ore worked)

CMRM (1995) Andradite; apophyllite; axinite;
rhodochrosite; scheelite; vesuvianite;
wollastonite; diopside; spessartine;

1" 186

SX 362 596

TREDINNICK MINE, Landrake, Cornwall.
with St Erney.

Dines (1956), 685. Main dump at Tredinnick Farm.

Smaller dump ca 100 yds SW is overgrown
caved adit portal 200 yds S. Quartz,
calcite. Reputed to have been worked
for lead & antimony, but no records of output

N Hubbard Priv Comm 5/82. Stibnite
has been found here

pro

Tredinnick

CMRM(1995) Dickite ; Kermesite (?) ("by colour")

Treen Cu mine, Zennor, Cornwall

See Gurnard's Head M

"190. House near SW 720 425 ; MINE, SW 715 426

TREFULLA MINE Redruth, Cornwall.

See also Wh. GORLAND, etc, Wh. PINK; Wh. CUPID; Wh. LILY.

AKHJ, 6 (1963), 10. Ref to The County Adit — "The same Deep Adit is also just got into the old TOLCARNE MINE from Wh. JEWELL [in 1792] ... and is then to be driven N (by Collan Bowden's Great Stamps[§], this side St. Day) e onward into TREFULLA estate, through which the GORLAND and other gozzans run" (Letter books of William Jenkin, Trewingie, Redruth, 1790-1870).

AKHJ (1962) 3 24. ~~The~~ TREFULLA MINE, 715 426, served by SHALLOW ADIT from [nr. 713 435], with Wh's CUPID & LILY

i" 190 SW 81 34
TREFUSIS MINE, Mylor (nr Falmouth), Cornwall. L 5

NB Another Trefusis Mine at Redruth (R38)

(BM: crust of Azurite xls with malachite. = Most likely the Redruth mine, R38.)

Collins (1871) p 57. Lead mine. Galena. ✓

1" 186

Tregarden: SX 054 593

TREGARDEN Q¹, Luxulyan, Cornwall
See also LUXULYAN etc.

CS Hogg & RE Meads MM (1969) 37 606-614.

Biolite in granite — "TREGARDEN"

BV Cooper, Riv Comm, 6/79 Spec → RSWB

Apatite ^{colourless to} pale blue; with tourmaline
(brown to black schorl), quartz,
"gilbertite" pink orthoclase
in pegmatite (Found by David Conway)

One microscopic green forkermite (?) x1
each ~~seen~~ on ~~one~~ two specimens

↑
Prob NOT! → ??

1" 185

SX 03-04 83-84

TREGARDOCK BEACH, St. Teath, Cornwall.

See also TREGARDOCK MINE; NEWQUAY.

Rev. V. Holyer (1989) Priv. Comm M.S.

Arsenopyrite in north part [NOT in the MS]

A NW-SE fault cuts slate & is exposed in cliff lying to the (S?) of the beach, with a small shaft on it $\approx \frac{1}{2}$ way up the cliff. In loose boulders on beach are galena, pyrite, sphalerite, rarely phosgenite. [TRERUBIES COVE - D. Green, BMSN (coll). (1997) 473]

CMRM (1995) Metasideronatrite (TRERUBIES COVE, SX 03 83); sideronatrite (TRERUBIES CLIFF)

1" 185

SX 041 839

TREGARDOCK MINE, St. Teath, Cornwall. E 19
See also TREGARDOCK BEACH.

JC (1871), 62: (Pb, Cu, wkg.) Chalcopyrite; galena.

AKHJ

At 041 839

1" 185

SW 8X7 74 (2)

TREGARGUS MINE, Padstow, Cornwall
of TREVORGUS M

G. Mus, donation (1967), N.W. Sheppard:

Siderite from TREGARGUS AND TREVEGLOS MINE,
Padstow, Cornwall

M.G. Merry, spec → RSWB for ident (3/02). From
TREVEGLOS M., Padstow: Arsenopyrite
brushes of rectangular ^(some ) x-section
micro-needles with apparent basal planes
(Single-xl XRD, Robin Pritchard, 5/02), up to 0.5 mm long

on sphalerite xls, some penetrating
(later) quartz, with siderite.

Dines (1956)(II), 572-3. N for $\frac{1}{2}$ ml from 350 yds
SW of St Merryn Church. [$\therefore$ 878 735
 $\rightarrow$ 878 743]. Granular quartz, with
siderite, sphalerite, galena, chalcopryrite,
pyrite. No plans or records but looks
extensive. This is TREVEGLOS M, but
TREGARGUS and TREVORGUS M's not
mentioned.

^{1" 185}
TREGARGUS QUARRY, St. Stephen, Cornwall ^{SW 949 541} **SA** 14

PGE, MM, 30, 261 (1953). Löllingite, ^{with quartz, feldspar, fluorite} granular, coating on joint,

GR, June 155: Just behind village of St. Stephen's topography complex; mills with the fantastic water wheels before quarry. China stone w. löllingite / aspyr; specks of Cu mins. Walls have vugs lined w. green fluorite & quartz xls; there are said to be large blue patches of apatite - GR.

Quarries (1963-4). China-stone, working

C. Rogers (1968): Apatite xls.

BV Cooper 6/79 Apatite, blue-green (not good xls) in quartz with yellowish gilbertite. ~~Quartzite~~

1" 189

SW 43 29 (?)

TREGARVA MOOR, St. Just, Cornwall. St. J. 62

JC(1871), 48: Cassidule; gold, in ancient stream
works.

Prob = TREGAVARAH DOWNS, SW 43 29

1" 186

SX 2 8

TREGEARE, Egloskerry, Cornwall.

Tregeare village, SX 24 86

R. Soc. N. (1994) ²⁵
Cornish Gold —

As Cornwall's last remaining tin mine struggles to survive (*Mining Journal*, 1 July, p.13), interest in the Duchy's gold potential has been awakened following news last week that Britcan, a subsidiary of European Mining Finance, is seeking to raise £1.0 million, principally to drill a number of holes to depths of 300m to test for epithermal gold mineralization in Lower Devonian to Permian age sediments. Around 50% of the expenditure will focus on a site at Tregeare near Launceston where work is to begin within the next six weeks but there are a further 20 sites which could be investigated over the coming months.

At Tregeare, in excess of 200m of shales occur within what is believed to be a graben structure. Soil sampling has outlined an anomaly 2.5km in length with a peak gold value of 150ppb. The theory is that this may represent a leakage anom-

aly and that substantial gold mineralization may exist beneath the shale cover.

Britcan's exploration licence areas also extend into Devon and it acquired them as a result of work undertaken in the region over the past ten years by the British Geological Survey. The BGS

has been investigating the source of flakes of gold recovered as part of an extensive geochemical survey involving soil and stream sediment sampling. The most significant finds were made in the South Hams district near Plymouth in south Devon.

Mining Journal 8 July 1994

1' 189

SW 57° 318

TREGEMBO MINE, near Relubbus, Cornwall.

DBB (1963) 17. Engine house visible. opposite TINDENE
mine, qv. Worked intermitt. to 1888

1" 189

SW 519 342

TREGENDER MINE, Ludgvan, Cornwall.

AMHJ (1961) 1 43 Worked before 1820. Known
as S. Wh. MARGARET in 1860. Tin. On
granite-killas contact.

1" 190

SW 78 23

TREGLOSSACK, St. Keverne, Cornwall. L 34

Jc (1871), 54: Calcite.

1" 189

SW 60 29

TREGONING HILL, Breage, Cornwall M 53

JC(1871), 55.

Kaolin; pinite

OS 1" 60 29 "Tregonning Hill"

CMRM (1995) Lepidolite; microcline (in
Li-mica granite);

Tregozy M, Leland, Conn

See Wm Providence

1" 186

SX 06 64

TREGULLON, Bodmin, Cornwall.

MM 15 117

Hedenbergite in metam. limestone
"TREGULLEN, Bodmine"

OS 1" map. "Tregullon" at SX 06 64 near
TRETOL MINE

Barrow & Thomas MM (1908) 113 TREGULLAN Q, on

W bank of stream $\sim \frac{1}{4}$ ml W of hamlet
[ie at OS 64] has calc-flintas containing
rare-earths, rich in axinite, next to

greenstone. Green prismatic
hedenbergite; yellow to brown-green
garnets, the yellow nr. andradite,
the darker grossular-spessartine;
calcite, tourmaline (v. rare); micro-
bright green actinolite; haematite,
sphalerite, pyrite, fluorite, epidote.

TREGURRIAN BEACH, Newquay, Cornwall

= WATERGATE BEACH (q.v.)

1" 189 2½" SW53 532314 (I) 18
TREGURTHA DOWNS MINE, St. Hilary, Cornwall

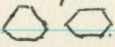
Wh HAMPTON of RSWB½" 5m? See also PROSPER UTD.
Sn mine?

DBB (1963) 17. W of PROSPER UTD MINE & at one
time included therein. Closed 1897
at 108 fms deep. A W part, once Wh
RODNEY reopened for Sn 1903-1914 as
Wh. HAMPTON.

CMRM (1995) Magnetite;

MGT Merry, spec's → RSWB for ident. (Nos 1, 2) (26/7/99)
Both spec's have emerald-green

(FTIR 7/99)

brochantite ~~MM 00/3~~ (blades on No. 1;
glob clusters of more platy-prismatic on
No. 2) both ass. with thin films
sky-blue fibrous radiating material
probably cyanotrichite which dissolves
rapidly & completely in dil HCl but in dil
HCl + BaCl_2 does not completely dissolve,
leaving white "ghosts" - $\therefore$ a sulphate, so
prob. is cyanotrichite (rather than e.g. ceruleite)
One spec on breaking revealed a small rug
~~the~~ with micro, sharp, transparent pale blue-
green trig $\rightarrow$ hex plates  ... Chalcophyllite?
(poss spangolite?? [50%])

Matrix rich in cuprite; arsenopyrite xls. in quartz
MM 00/3 IR = anglesite (white silty like cerussite)

TREGURTHA DOWNS MINE, SE. Hilary, Conn. (II)

MGH Merry → RSWB for ident (1/14).

Pyromorphite (AsO_4 -free) (FTIR 1/14), small
brown radiating xls on vein quartz

1" 185 Cent. on SW 960 570
TRELAVOUR DOWNS, Sr. Dennis, Cornwall 23

See also HENDRA

AWG-K - Li-biotite in pegmatite (1931 spec.).

CS Hogg & RE Meads MM (1969) 37 606-614 "The Mössbauer spectra of several micas & related minerals"
Biotite in Li-rich pegmatite - "Trelavour"
(See Cundy EK, Windle W, & Warren IH, Clay Min Bull. (1960) 4 151).

c. Rogers (1968) Orthoclase; biotite

BVC Priv Comm 6/79. Apatite ("a known loc")
(spec → RSWB) greenish embedded in orthoclase-biotite pegmatite

CMRM (1995) Mn-apatite; muscovite;

1" 186

2½" Liskeard 29 x 63 y SX

Wh. TRELAWNY, Menheniot, Cornwall. K 66

See also N. TRELAWNY (K 117); NEW TRELAWNY (K 118).

& wh. MARY ANN.

JC (1871), 65: (Pb^{Ag}, wkg). Baryte? calcite; galena.

Quartz, calcite, big fluor, galena, baryte, cerussite,
pyromorphite

CMRM (1995) "Hacked" quartz

RSW B et al (2009) J. Russ. Soc. 12 3-9 AWGK's
"adamite" discredited (by GR).

1" 186

SX 311 683

NEW TRELAWNY MINE, St. Ive, Cornwall. K. 118

See also WH. TRELAWNY (K 66); NORTH. TRELAWNY (K 117).

JC (1871), 64: (Cu, wkg.) blende; baryte;
chalcopryite; galena; fluorite;
hornstone.

CMM (195) Acanthite

1" 186

2½" Liskeard 29x 65y K 117

NORTH TRELAWNY MINE, Quethiock, Cornwall

See also Wh. TRELAWNY (K 66), NEW TRELAWNY (K 118)

1" 189

SW 60 34

Wh. LAMBO Quinner Cornwall

See also Wh. TREMAINE, TREASURY etc.

1" 186

SX 28 62

SOUTH WH IRELAND NY, Menhant, Cornwall

1"185

SW 91

76

E 10

NORTH TRE-LEATHER MINE, Padstow, Cornwall

JC (1871), 59. (Cu, Pb^{Ag}, wkg.). Chalcopyrite; galena.

1" 190, 189

SW 70 43 R. 55

TRELEIGH CONSOLS MINE, Redruth, Cornwall.

See also NEW TRELEIGH (R 56). TRELEIGH WOOD M

JC (1871), 53: (Cu) Chalcopyrite.

1" 189, 190

SW 700 434
69 43

TRELEIGH WOOD MINE, Redruth, Cornwall

See also NEW TRELEIGH M., TRELEIGH CONSOLS M.
HARMONY & MONTAGUE M.

AKHJ (1962) 3 29 Mentioned.

D.B. Barton (1963) W. Cornwall. [At 700 434], TRELEIGH
WOOD M., earlier known as Wh. HARMONY,
once worked with Wh. MONTAGUE to the
NW.

CMRM (1995) Tourmaline ("rubellite" - "Wh. HARMONY,
Redruth")

R. Selley, BMSN ('07) 74, 7. Trenching on
Treleigh trading estate, Redruth; now landscaped
an industrial park.
Killas, chlorite, qtz/tourmal. Anatase
^{blue xls}
xls; decomp arsenopy.; rarely monazite
plates; a little μ -cassit.; spot cupy.

1" 190

SW 70 44 .

TRELEIGH WOOD, EAST M., Redruth, Corn.

1¹ 190, 189

SW 20 43 R 56

NEW TRELEIGH MINE, Redruth, Cornwall.

See also TRELEIGH CONSOLS (R55), TRELEIGH WOOD M

JC (1871), 53: (Cu, wkg.)

1" 189

SW 69 44

TRELEIGH WOOD UNITED MINE, Redruth, Corn.

1" 189

SX 69 43

NEW TRELEIGH CONSOLS MINE, Redruth, Corn.

1" 185

SW 91 76 (7.)

TRELETHRA MINES, ? Padstow³ Co² Cornwall

? TRELEATHER N. MINE, Padstow SW 91 76

W. Phillips (1823). Chalcopyrite, good xls.

"TRELETHRA M's," ~~common~~

1" 186

Sx 0477 0478

TRELILL QUARRY, St. Kew, Cornwall

CMRM(1995) Tetrahedrite.

TRELISWELL, nr. Penryn, Cornwall.

W. Phillips (1823) Magnetite.

1" 185

SW 824 611

TRELOGGAN MINE, Newquay, Cornwall.
See also NEWQUAY etc.

AKHJ

"Treloggan M." at 824 611

1" 190

SW 72 23

TRELOWARREN, Mawgan, Cornwall.

L 36

JC (1871) 54:

Serpentine; Nealite.

1" 189

TRELOWETH MINE, St. Eith, Cornwall

2½" SW 53 543357

H7

Cu mine.

Dines (1956), 137.

Cu output in 1850's.

Nature of

deposit unknown.

Wh Treloyhan, St Ives, Cornu

See Wh Trenwith

1" 190

MINE

SW 77 36

L 40

TRELUSWELL, ^A Gluvias, Cornwall.

JC (1871), 57:

Adularia? ✓

Hornblende. ✓

TMH (1868), 48.

Magnetite

1" 189 2½" SW 53 519390 5138
TRELYON CONSOLS, St. Ives, Cornwall 5239 **H** 28
See also Wh. MARGERY

JC(1871), 49. TRELYCON CONSOLS (Wh. VENTURE) (Sn, Cu, Wkg.)
Cassiterite.

AKHJ (1961) 1 28-9 Combination of Wh. MARGERY [qv]
with small Wh. VENTURE, in 1849. Wh.
Venture then producing tin & copper ores.
No evidence that combination worked, &
mines continued separately with own
adits. Rich tin ore of Wh. Venture
- some sold to a mineral dealer in
Colorado, before 1920's.

1"186

Sx 39 59

TREMATON, Saltash, Cornwall.

PMMCJ (1975) 6 [3] 24. Field trip. A
rock full of tiny but perfect
aragonite xls found at Trematon.

1st 1899

WHEAL TREMAYNE, Guinear, Cornwall SW 59 35 H 21

See also Wh. LAMBO; Wh. PROVIDENCE; FRADDAM MINE.
Wh. TREASURY.

AWGK, RGSC, (1952): Devillite (See ^{Wh. PROVIDENCE} A 20 for mode of occurrence).
Tallingite. Brochantite.

BM: Cassiterite, large.

JC (1871), 50: Wh. TREMAYNE: Cassiterite; silver.

Dines (1956) 165. Includes Wh. LAMBO & Wh. PROVIDENCE;
part probably known as FRADDAM MINE.

1½ ml S of Guinear, in killas traversed by
elvan dykes.

Pyrite & chalcopyrite; argentiferous arsenopyrite;
native silver; "toad's-eye" tin (cassiterite).

Three old plans exist but cannot be related to present surface features. Wh LAMBO section is on the E, just W of Wh. TREASURY (LAMBO shaft is 570 yds W of Guinear Down Methodist Chapel). Wh. PROVIDENCE section is on the W.

DBB (1963) 18. At Leedstown. Rich Cu mine, = Wh PROVIDENCE. Wh. TREASURY is on E of same lodes. Produced Cu & Sn. Closed before 1870

1" 189

SW 61 26

TREMEARNE, Breage, Cornwall.

M 49

See also MEGILLIGAR ROCKS

IC (1871), 54:

Albite; apatite; fluorite;
orthoclase; mica; schorl;
topaz.

MJ Minerals Cat (1989) Polished "chevron" agate;
creamy white with grey band near edge
— TREMEARNE COVE nr. Helston, Cornwall

Rayners Cat (1960) "Tremprue Cliffs, Porthleven"
Apatite + gibbsite.

BV Cooper. spec → RSWB 10/79. Löllingite, x1

sections → 2 cm in quartz-felspar-
red-brown mica pegmatite with some
chlorite. [Bvt "taken to locality"]
["TREMEEARNE CLIFF"]

RW Barstow's Cat (1/80) Apatite, pale bluish;
manganapatite, olive-green, with black
tourmaline [ie schorlite?] "TREMEEARNE
CLIFF"

CMRM (1995) [Mok = MEGILLIGAR ROCKS, qv]: Alluaudite; Near-
ixiolite (xrd); lepidolite; natromontebresite;
montronite; strüverite; tourmaline; triphyllite;
triphyllite; zwieselite;

1" 189

ca SW 677 290(?)

TREMENHEERE MINE, Breage, Cornwall. M 48

See also TRUMPET CONSOLS

JC (1871), 54: Working tin mine.

DBB "W. Corn" (1963) 22-23 In 1860's joined
TREVENEN M. to become part of TRUMPET
CONSOLS (qv).

1" 189 Tremenheere Farm is at SW 677 290

TREMOLLETT Mn MINE, North Hill, Cornwall.

See TREBARTHA

1" 185

SX 010647(?)

TREMORE QUARRIES, Withiel, Cornwall.

AR MM 21 (1926)

lately much worked. Elvan
dyke & contact-altered slate. Vg axinite
found, including possibly biggest xl.
from Cornwall. TREMORE QUARRY.

G. Mus. Axinite rock, from TREMORE-BRIDGE,
quarry on W side of stream W of TREMORE.

Barrow & Thomas (1908), MM, 113. 2 quarries
in steep bank of stream near Tremore the

W one smaller but better. Axinite,
pale plum to cinnamon-brown xls, some of
best embedded in pale green silky
asbestos. Actinolite, yellow garnet,
pyroxene. Calc-flintas in larger
quarry cut by Cu vein, with massive
chalcopyrite, deep purple fluorite, well
xltised talc, sphalerite, masses of
chlorite "peach".

CMRM(1995) Pyrolusite

1" 189

SW 6

2

(?)

TRENANCE MINE, Helston, Cornwall. M 81

TMH (1868), 41: (Cu) Tetrahedrite

1" 185

SX O 5 (?)

TRENANON, St. Austell, Cornwall.

SA. 71

JC(1871), 61:

Blonde

1" 188

SW 5176 3631

TRENCROM HILL, Ludgvan, Cornwall

A.C. Wilson (1975) Bull Geol Surv GB. 52 61-3

In Land's End granite, at SW 5176 3631
on Trencrom Hill, clusters of mid-blue
^{andalusite}
sapphire within the granite which
consists of orthoclase (large xls $\rightarrow$ 6 cm)
(~30%), ~~app~~ quartz, schorlite, muscovite,
albite-oligoclase. ^{kaolined} Nearby are pelitic
xenoliths, biotitic contaminated granite

a few pegmatitic nests of quartz
and tourmaline; finite (altered
cordierite). The sapphires are
euhedral, platy, to 4 mm as sheaves
in coarse-grained pink andalusite.

Wh. Trencrom
engine house,
Cotnam.



TRENCROM MINE, Ludgvan, Cornwall

See Wh. SISTERS

1" 190

Nr. SW 718 479

TRENETHICK MINE, St. Agnes, Cornwall

See also E. TYWARNHAYLE M.

AKHLJ (1962) 2 18.

Had 4-5 Cu lodes.

TRENGONTREES MINE, St. Austell, Cornwall

See POLGOOTH MINE

Wh. Trengwith, Redruth, Cornwall

See Wh. Goodspeed.

TRENILK, (?) Cornwall.

Rayner's Cat. (1960):

"Trenilk": Cuprite, well x'ised.

"Trenilk mine": cuprite + quartz

[Not in Dines, 1956]

1" 189

SW 53 22?

TRENOW CONSOLS, Perranuthmoe, Cornw.

See W^h CHARLOTTE.

R. Selley (107) BMSN, 74, 23-25. On cliff edge;
once part of CHARLOTTE UTD. Subsidence
investig'd. Killas, qtz/siderite; chlorite
w. anatase plates, "sparable" cassit & "wood tin".
μ-cuprite xls.

1" 186

SX 37 78

TRENUTE MINE, Lezant, ~~Sydenham~~ ~~Dameret~~, Cornwall

See also TREBULLETT.

Dines (1956) 661 At Trenute, shafts 300 yds apart
Quartz, ankerite, blende, stibnite needles, &
later encrustations of calcite & pyrite.

Trebullett is nearby

CMRM (1995) "Antimony ochres"; dickite; stibiconite;

1" 186

SX 26 68

TRENUTH MILL, Caradon, Cornwall

See also SOUTH YOLLAND FARM

MM 15 238 Idocrase ✓

1" 189 513400 SW
WHEAL TRENWITH, St Ives, Cornwall (I) H1
= RADIUM MINE, [H33] See also ST IVES CONSOLIDATED MINES.
Cu/Sn mine. Pitchblende interfered with smelting,
thrown on dump in disgust; dump worked over, 1907.

Pitchblende - Treuro Museum. also G Mus.
Henwood: pitchblende
Rutley, 15th. Ed., p. 200, Erythrite.

RSWB 1959. Loc 140 No U mins seen(?) Some Cu mins
in dark reddish brown matrix. - perhaps torbernite or
chalcophyllite?? - brach? [IGNORE for indexing]

JC (1871), 49. Chalcoite; cuprite; erythrite;
haematite; hornblende; melaconite;
pitchblende; torbernite

Dines (1956) 117. In W part of St Ives. Metamorphosed greenstone & killar overlying granite.

Main lode is brecciated country rock cemented by quartz & chlorite, with cassiterite, chalcopryrite, chalcocite, & bornite. Pitchblende, with bismuth, molybdenum (? ...ite) galena, & blende occur as late minerals, assoc. with siderite & bornite. Arsenopyrite

Early history obscure, but known that difficulties met in smelting the Cu ores, owing to presence of pitch blende, mistaken for black copper oxide.

Dumps reworked for U in 1907. In 1908 taken over by STIVES CONSOLIDATED MINES, LTD.

DBB (1963) 9. 110 fms deep. ~~Worked~~ worked for Cu in 1st half of 19th century. Later part of ST IVES CONSOLS. Cont II

Wh. TRENWITH, St Ives, Cornwall (II)

Dewey Cu (1923) 6 chalcocite & chalcopyrite in
greenstone. p. 17 Cu ore 1825-56

C. Rogers (1968): Schoen* in white quartz*; morion* xls;
[smoky qtz]; pyrite* xls; linarite*; pitchblende;
cassiterite; bismuth; molybdenite; Pb, Zn, &
Cu sulphides.

* = found by C.R.

AKHJ (1961) 27 Many workings extend inland

From Porthminster Beach to Halses town village,
for tin, eg TRENWITH, TRELOYHAN, CORVA,
HENDRA, CARN STABBA, etc.

OS $2\frac{1}{2}$ " map Trelyn- 520 392; Corva 512 395;
Hendra, 513 389; Carnstabba, 509 393

See also N. Wh. FORTUNE; Wh. DOROTHY.

Ancient workings - subsidences etc, in grounds
of Tregenna Castle [519 397]. An old adit occurs
at SE end of Porthminster Beach [? ca 522 400]

1" 185

SX

023 802

TREORE MINE, St. Teath. Cornwall.

BM.

Gold with pyrite in quartz. This is from the quartz boulder "AWOK" tripped over" & decided to hit - cracked but didn't fall apart - so found parts held together by much wiry gold!!!

AWOK MM³²/₄₃₁. Immediately S of Treore Farm.

Benduntite, carminite, mimetite, scorodite,
jamesonite, stibnite, arsenopyrite,
pyrite, quartz, siderite, galena,
chalcopyrite, blende.

Treone M

AWOK, RGSC (1964) 249. "Near St Teath," "in a vein,"
in carbonate matrix: scheelite, with pyrite,
stibnite, jamesonite, galena, arsenopyrite,
other sulphides, & gold.

[? Is this loc Treone mine]

Treone mine - argentojarosite

RSWB (8/65) 4 212. Nr. 020 800, "Dumps" now flat - just
a few scattered stones. quartz, pyrite,
trace stibnite; a little jamesonite, altg to
yellowish powdery bindheimite

CMRM (1995) Boulangerite; bournonite; geocrinite; greigite (?);
nadorite; valentinite; variscite ("redondite");
senarmontite;

TREQUEEN MINE

Cornwall

D. Atkin et al. MM 47 393-6 (1983) Tristramite,
new U mineral rhabdophane group,
as direct replacement of vein
pitchblende.

[Not in Dines, 1956]

1st 185

SW 814 581

TREREW MINE, Cranstock, Cornwall A 76

SW 78 60

JC (1871), 59.

(Pb, wbg.)

Galena.

1"

TRERUBIES COVE, St. Teath, Cornwall

See TREGARDOCK BEACH

1" 190

SW 74 30

TRESAHOR QUARRY, Constantine, Cornwall.

Quarries (1963-4). Working, igneous rock.

OS 1" Tresahor (Farm) SW 74 30

TRESAIZE, Cornwall.

See GLASS MINE.

1" 190 228226 SW 722 394
TRESAVEAN MINE, Gwennap, Cornwall (I) R 11

See also SOUTH TRESAVEAN MINE. E. TRESAVEAN, TRESAVEAN
BARRIER; NORTH TRESAVEAN; COMFORT; BELVEAN; TRÉTHELLAN;
Shown on GL's $\frac{1}{2}$ Cornwall Map. TRETHARRUP; BREWER;
TREVISKEY.

BM: Chalcocite; copper. (R 64)

JC (1871), 56: TRESAVEAN & TRETHARRUP: (Sn, Cu, wkg):
blende; chalcocite; chalcopryite; chlomite;
copper; epidote? erubescite; fahlerz;
fluorite; galena; goslarite; hornblende;
magnetite; melaconite; pyrite;
tennantite.

Dewey Cu (1923) 7 chalcopryite in granite, not
slate. p 32 ff. Working. Set includes

TRESAVEAN, COMFORD, BELVEAN, TRETHELLAN, TRETHARRUP,
BREWER, & TREVISKEY, also PENSTRUTHAL.

Cu ore sold 1815-1870. 1915-17.

Section, p 33

Two series of lodes; MAIN, MAGORS, MICHELL'S,
CADDY'S, BELL, COPPER, PENSTRUTHAL. COMFORD,
CAPT'N DICK WILLIAMS, GOBBAN, SOUTH, PARKINS.
All have Cu ores, richest being Main (working),
Copper, the Bell, the Penstruthal lodes.

MAIN, E 30° N, 1-10 ft, quartz, schist, pyrite,
chalcopryite, blende; cassiterite below

286 fms below adit (27 fms). V. Little Cu below
345 fm level. Lode only in granite, dies out
in Killas. CADDYS: Little Cu; only worked

to 80 fms below adit; some cassiterite; much comf

TRESAVEAN MINE, Gwennap, Cornwall (II)

blende & arsenopyrite.
some Cu ore.

COMFORD, not working,

C. Rogers (1968): Jasper; copper; sphalerite.

Roy Starkey, Priv. Comm. (2/85). Apatite,
small colourless xls, clear sharp
hex prisms but corroded looking
basal pinacoids with
arsenopyrite & mixed sulphides

gregavean M

Mike Merry, spec → RSWB 8/92 (92-119) # Light
yellow brown crust on rock - X-ray
amorphous (RSWB-MMI); FTIR, very hydrated
sulfate (8/92); Insol H₂O, sol hot HCl then (a)
BaCl₂ → white ppt; (b) xs NH₄OH → white gelat.
ppt. (Al?)

CMRM (1995) Antlerite; cyanotrichite;
↓

See J. Russ Soc (2005) 8 [2] 81-84

Geo. W. Fletcher, coll. 1989 Rich cyanotrichite.

TRESAVEAN MINE, Gwennap, Cornwall (III)

RSN 23 (1992)

Ettringite from Tresavean Mine, Lanner

Ettringite, $\text{Ca}_6\text{Al}_2(\text{SO}_4)_3(\text{OH})_{12} \cdot 26\text{H}_2\text{O}$, has been found (October 1991) at Tresavean Mine, Lanner, Cornwall.

It occurs in vesicle-like cavities in a breccia matrix as small white acicular crystals with a pearly to silky lustre, in some instances completely filling the cavity with matted hair-like crystals. Some specimens show much longer, hexagonal, prismatic crystals with a glassy lustre and in some cases bichroic terminations.

The clasts in the breccia comprise pieces of massive quartz, chalcopyrite, fluorite, a possible mica and material which resembles laths of wood, all in a light-grey to white groundmass. The whole very much resembling a concrete.

Apart from the 'concrete' theory, it has been suggested that the matrix could be a decomposing granite, the fibrous wood-like material having once been tourmaline. This material was collected adjacent to the old engine house at Tresavean.

Identification was carried out by XRD at the Natural History Museum, South Kensington (X-ray film number 8840F). Specimens have been lodged with the NHM with the hope that further work will be done on the matrix.

Peter Wallace, Southern Branch

M. Merry → RSNB 1/95 (952)
Langite, excellent x/s
(FTIR, 1/95)

→ M. Wirth BMSN (1998) 51, 12
The matrix is concrete!!
(Ettringite is a normal constituent)

1" 190

SW 72 39

TRESAVEAN BARRIER MINE, Jwennap, Cornwall

See also TRESAVEAN M., etc.

Dewey (1923) 33. TREVISKEY, after 1848 worked
with TRESAVEAN BARRIER M. as EAST TRESAVEAN
MINE, producing Cu ore 1845-55

1" 190

SW 7239, 7339

EAST TRESAVEAN MINE, Jwennap, Cornwall

See also TRESAVEAN M., etc.

Dewey (1923) 33.

TREVISKEY MINE, after 1848,
worked with TRESAVEAN BARRIER M., as
EAST TRESAVEAN, producing Cu ore 1845-55.

1" 190

SW 718 395

NORTH TRESAVEAN MINE, Gwennap, Cornwall

See also TRESAVEAN M., etc.

Dewey (1923) 33.

COMFORD & N. TRESAVEAN produced

one 1844-56.

1" 190

SW 76 37

SOUTH TRESAVEAN MINE, Gwennap, Cornwall.

See also TRESAVEAN MINE ch

= ROSKROW UTD. MINE 9v

(Rudler, (1905), 81. Pitch blende, with kupfernickel
[niccolite], native silver, and rich argent-
ferous gozzan.)

bull GS 35 33

1" 190

SW 715 397

WEST TRESAVEAN MINE, Gwennap, Corn.

1" 190
SW 76 37
SOUTH TRESAVEAN MINE, Gwennap, Corn.

1" 185

SW 99 58

TRESAYES PIT, Roche, Cornwall

C. Rogers (1968) "TRESAYES Q."

CMRM (1995) Cordierite, altered to "PINITE"
(TRESAYES Q.); Orthoclase (THE "GLASS MINE"-
TRESAYES Q.);

1" 189

SW 58 30?

TRESCOW, Breage, Cornwall.

M 50

JC (1871), 54:

Cassiterite; copper; chalcopyrite.

1" 190

SW 717 438

TRESKERBY MINE, Redruth, Cornwall.

See also N. TRESKERBY M.

AKHJ (1962) 3 29. MentionedDBB W. Cornwall (1963) [At 717 438]. Important
copper producer up to ca 1830; worked
for a time with Wh. CHANCE.W. Phillips (1823) Nat. copper

1" 190

SW 720 451 ^{AKHJ} R 57

NORTH TRESKERBY MINE, Redruth, Cornwall.

See also TRESKERBY M.

JC (1871), 53: (Cu, Sn) Bitumen; chalcoprynite;
copper; cuprite; petroleum?

W. Phillips (1823) Nat. copper (TRESKERBY).

Freslow M., Perranzabuloe, Corn

See Perran Wh. Maria

1" 189

SW 60 29

TRESOWES, Breage, Cornwall.

M 54

JC (1871), 55 : Stream tin; jasper; kaolin.

1" 1985 SX 006 794 (I)
TRESUNGERS, St. Endellion, Cornwall
Wh.

V. Rae, Priv Comm 12/90. Much boulangerite
(Who sez? Ident? ^{eyeball} cf presumably)

(Spec → RSWB 91-68) Met. needles in & on
quartz xls

CMRM (1995) Ankerite; berthierite; bournonite;

RSN (2000) 36, 23. [SX 004 797] Visit. Overgrown,
difficult to find. Jamesonite, boulangerite;
bournonite in past. ↑ [?]

Wh. TRESUNGERS, St. Endellion, Cornwall (II)

RSN (2000), 37, 16-17. (Visit of 15/4/00 - Alan Griffiths)

"ALGR 571 587" [?!]. Below the farm, steep walk to o'grown dumps. Little for first few hours... then massive jamesonite with micro xs stibnite^[?], poss boulangerite, occas black needles meneghinite^[?], juggy yellow-brown coatings of secondaries ("cervantite & senarmontite" [?!]). John Tufnell claimed a single xl bourbonite. Back to v. fine old "semi-stately" farmhouse.

1" 190

SW 72 39

TRETHARRUP MINE, Gwennap, Cornwall. R 64

See also TRESAVEAN MINE (R 11)

Dewey (1923). Included in TRESAVEAN.

1st 190

SW

717 390

TRETHELLAN MINE, Gwennap, Cornwall. R 65

See also TRESAVEAN M., etc.

JC (1871), 56: (Cu) Chalcocite; goislandite

Dewey (1923) TRETHELLAN & WEST TRETHELLAN
worked down to 170 fms from surface.
output of Cu ore 1837-1856. included
in TRESAVEAN

1" 190

SW 714 386

WEST TRETHELLAN MINE, Gwennap, Cornwall

See also TRETHELLAN M., etc.

Devey (1923) 33. TRETHELLAN & W. TRETHELLAN
worked down to 170 fms from surface.
All ones produced 1837-56.

1" 186

SX 067 641

SA 17

TRETOIL MINE, Lanivet, Cornwall

ca. 5 ml NW of Lostwithiel.

See also Wh. MESSER

BM Danalite, massive red-purple; churchite, small grey xls.

AWGK MM 31 282 (1956). One specimen Churchite from dumps in 1955. Two Cu lodes worked here up to 1862.

AWGK MM 32 921. Ilvaite, danalite, garnet, quartz, pyrite, chalcopyrite, chlorite, blende, galena, arsenopyrite.

AWGK, RGSC (1964) The churchite (1 spec) in very characteristic matrix (like the classical specimen) - a quartzose, rather schistose chloritic rock - a highly altered, much sheared greenstone.

RSWB (8/66) 5 49 Scattered dumps, main one at
0673 6400. Nothing coll.

C. Rogers (1968): Magnetite; garnet.

R. Turner 6/80 By-pass now on site! BUT
dumps shifted down valley & material
can be collected - now on tips of
Wheal Messer [q.v.] (063 640).

CMRM (1995) Andradite; chirchite-(Y);

TREVANION MINE, St. Stephen, Cornwall.

See CROWHILL MINE

1" 189

SW 523 372

H 57

TREVARRACK UNITED MINE, Lelant, Cornwall.

See also Wh SISTERS

JC(1871), 49: (Sn, wkg.) Cassiterite; schorl. [T.UNITED M.]

AKHJ (1961) 1 37 Shallow adit started in early
1870's - locally known as "Wh. THUNDER" on
E extension (supposed) of TRENCROM M. Failure;
a little tin only - TREVARRACK M.

1" 190

SW 74 41

TREVARTH MINE, Gwennap, Cornwall.

See also SE. DAY UTD M'S.,

Dewey (1923) 35. Part of (SE. DAY) UNITED MINES.

On GREAT LODE, in Killas.

1" 189

SW 53 31

TREVARTHEN MINE, St. Hilary, Cornwall, M 79
of TREVARTHIAN DOWNS MINE.

TMH (1868), 41: (Cu) Chalcanthite.

1st 1899
TREVARTHAN DOWNS MINE, SW 53 31 St. Hilary, Cornwall.
See also PROSPER UNITED; cf TREVARTHEN MINE

BMS Newsl (1999) 52, 6. A. Woodburn, pres →
BMS coll: pharmacosiderite, "TREVARTHEN
DOWNS, St. Hilary"

M. Merry, spec → RSWB for ID, 2/14,
Native sulphur with anglesite in
vug in galena

WHEAL TREVASKIS, Gwinear, Cornwall ^{1" 189 610380 SW} (I) H 17

Just S of Gwinear Road Stn.

Copper Mine, 1739.

Dines: In killas, with greenstone: Arsenopyrite; chalcoppyrite; pyrite; iron & copper oxides in qtz vein-lets. Chlorite. Cassiterite in soft killas away from greenstone. Copper; tetrahedrite; tennantite; siderite; dolomite; fluorite.

J.C. (1871), SD; Wh. TREVASKUS: Actinolite; axinite; blende; bitumen; chalcedony; chalybite; dolomite; fahlerz; fluorite; galena; arsenopyrite; tennantite.

Rudler (1905), 96. V. beaut. stalact. chalcedony.

W. Phillips (1823) Chalcopyrite

Wheal Trevaskis Sunday 7th April ^{RSN}
(1991) 22

A large party of hopeful collectors assembled at the entrance to Wh. Alfred on a rather dull and chilly morning. Because of the popularity of Wh. Alfred and its rather restricted collecting area, it had been decided to divide the party into two groups, one collecting at Alfred in the morning with the other trying their luck at Trevaskis, with a change over at lunch time.

Chris Scheduling led a convoy of cars to the Trevaskis sett which sadly has been levelled and converted into a caravan site, with nothing remaining of the working and building and little of the dumps. The collecting area consisted of a bulldozed bank of mixed soil and mine waste bordering a farm lane. *But see (II)*

According to Dines, the sett originally contained five or six lodes in the country rock of killas with greenstone. The main lode consisted of irregular,

comby quartz veinlets and was up to sixty feet wide in the killas, but much reduced in the greenstone. The veinlets carried chlorite, arsenopyrite, chalcopyrite, pyrite and copper and iron oxides, with cassiterite confined to the killas. Also present were sphalerite, galena, chalcedony and minor tetrahedrite-tennantite, siderite, fluorite, dolomite and native copper.

Wheal Trevaskis was initially worked for copper in 1739 and later also for tin. In 1919 the mine was incorporated into the Calloose Mine sett.

Our visit was reasonably productive, with most of the cited minerals being collected in small amounts, but no specimens of note save one, consisting of two large (1 cm) crystals of cassiterite on killas, collected by Alan Jeal. However, the site appears to have potential and hopefully we will get permission for a return visit in the near future.

Steve Hall

→ (II)

WHEAL TREVASKIS, Gwinear, Cornwall (II)

QSN
(1991)22

Wh. Trevaskis: With rain clouds threatening, we examined small dumps on either side of a muddy lane which ran by the ruins of the old engine house. Fairly large lumps of massive sulphide yielded black sphalerite, galena, chalcopryite and arsenopyrite. David Lloyd also found several crystals of cassiterite. Massive boulders of quartz/chlorite rock occasion-

ally yielded brown banded quartz which was quite attractive. Vugs within the quartz were comparatively rare but often yielded some nice siderite crystals. Fluorite was also noted. An interesting site which warrants another visit.

tals of dolomite. Some attractively patterned pieces of zoned quartz were found in the banks of the lane, the leader producing a boulder of the material which was undoubtedly the largest specimen of the day. It was rather a grey day with a chilly wind, so lunch was consumed in the shelter of the cars.

CMRM(1995)
Bendantite

27 March 1993 Wheal Trevaskis/
Penberthy Croft, Cornwall QSN(1994)
24

The party assembled at Trevaskis Caravan Site at 10am and established base camp at the berth named 'Ash', by the lane leading to the remains of Wheal Trevaskis. The mine dumps are quite a respectable size and yielded samples of arsenopyrite, cassiterite, chalcopryite, chlorite, sphalerite and creamy crys-

1" 190

SW 710 225

TREVASSACK, Mawgan-in-Meneage, Cornwall

See also COUNTY BRIDGE Q,

CMRM (1995) Stevensite

S. Weiss & M. Merry (1999) Lapis 24(6), 49-51
Native copper from TREVASSACK Q,
Lizard "the accompanying minerals"

TREVAUNANCE 1st 190 71, 506 SW 71 51 12
HUEL ~~TREVAUNANCE~~, St Agnes, Cornwall

$\frac{3}{4}$ ml ssw of Trevaunance Core. See also W. KIND;
Rutley, 15th Ed., p. 126, topaz. POLBERRO M

BM: vg blende;

Blende exhibited. AR MM 28, 37 (1946, Jan).

JC (1871), 58: (Sn, wkg.). Cassiterite; fahlerz;
fluorite; topaz.

Rayners Cat. (1960) "Enysite"

AR MM 21 221 Topaz, with cassiterite, quartz, chlorite

RWB (8/66) 5 58. TREVAUNANCE COVE. E side
explored - small amts. "enysite" (IR) found in
small cave near 724 518, with quartz
chalcopysite in a gozzany vein.
Acc. to L. Nash - fine spec's "enysite"
coll. in a big cave on W side of
cove - but they crumble in dry air

1" 186

SX 153 695

K 94

GE. TREVEDDOE MINE, Warleggan, Cornwall.

JC (1871), 63. GE. TREVEDDOE AND CABILLA (K 95):
(Sn, wkg.) Cassiterite ✓

Dines (1956) 609. $\frac{1}{2}$ ml NW of Warleggan, nr St Neot
Malachite; azurite; nat. copper; chalcoppyrite.
✓ bornite; wolfram; cassiterite; quartz;
tourmaline ✓
= CABILLA MINE

PWB (8/66) 5 59 Treveddoe House, at 153 695 -
mine said to be in valley behind house
best reached by walking up the

valley from near the bridge a little W
of Woods [ie at 148 6895]

1" 189

SW 482 405

TREVEGA BAL, Towednack, Cornwall

See also BREA CONSOLS M

AKW (1961) L 14. Ruins near cliff top. Combine of
ancient wh's BREA, FAT, RICHARDS, MATTHEWS, &
PARKIS. Known in 1865 as TREVEGA & BREA
M's, & in 1867 as WEST ST IVES CONSOLS.

JC (1871) 49 WEST ST IVES MINE, (Sn, wkg) Cassiteride

TREVEGLOS MINE, Padstow, Cornwall

See TREGARGUS MINE, Padstow

1" 189

SW. 573 342

TREVEN MINE, St. Erth, Cornwall H 64

JC (1871), 50: Tin mine, working

Burt et al. (1987) 573 342

1" 185

Sx 058 887

TREVENA MINE

Tintagel, Cornwall

"TREVENA MANGANESE FIELDS"

CMRM (1995) Manganite (TREVENA M., Tintagel).

1" 186

SX 181 686

Wh. TREVENNA, St. Keot, Cornwall. K 93

JC (1871), 63: (Sn, Cu, wkg.) Cassiterite; chalcopyrite.

1" 189

Nr. SW 682 298

NEW TREVENNEN MINE, Wendron, Cornwall. M75
See also TRUMPET CONSOLS.

JC (1871), 55: (Sn, wkg.) Cassiterite. "NEW TREV."

DBB "W. Corn" (1963) 22-23 . TREVENEN M. [682 298]
To 170 fm by 1860's, when TREMENHEERE acquired
e became part of TRUMPET CONSOLS [qv].

1^u 189

SW 53 37

TREVETHOE MINE, Lelant, Cornwall.

On RSWB's $\frac{1}{2}$ " map, @ 52. See also Wh. MERTH.

Sn mine. ✓

^{1st 1889}
TREVIDGIA MINE, St. Ives, Cornwall ^{SW 48 40}

[? = TREVEGA BAL, qv]

Henwood.

H 39

1" 185

Near SX 081 881

TREVILLET SLATE Q's, Tintagel, Cornwall

RBWB (8/65) 4 213 Disused, nr. 081 881

some small quartz xls

TREVINNICK MINE

1" 186 01,784 SX0078
St. ^{St. Kew} Endellion, Cornwall.
[St Kew]

(I) 2

BM: Nadorite (see E1), minute xls in cavities in
jamesonite.

JC(1871), 62: TREVINNOCK MINE.
jamesonite.

Bindheimite; cerussite;

AWGK MM 31 499 Nadorite with jamesonite. Trevinnick
mine, St. Kew.

^{2A. Wright}
B. Cooper, Spec → RSWB 10/70. Boulangerite or
semseyite, grey felted massive in
siderite - "Trevinnick M., St Teath" - [P10]

Spec. v.v. similar to "Boulangerite from
Doyden Point, Port Quinn" [See PORT QUINN
CLIFFS: cf Boulangerite from Port Gaverne,
see PORT ISAAC; cf 66-264 "Semseyite,
Wh. Emily, Devon"]

BV Cooper, Spec's → RSWB 8/80 [RSWB 80-157]
quartz gadzian with v. pale greenish
pyromorphite (IR; As-free); some cerussite.

J. Fisk, D. Smith & M. Vincent "Trevinnick M., Corn." Min.
Realm (1982) 1 [5], 10-23.
~ 1/2 ml SSE of Pt. Isaac NS & NE-SW veins

TREVINNICK M., St. Kew, Cornwall (II)

betw. slate beds in pillow lavas. Produced
Pb & Sb ores 1855, 1876, 1892, 1893, 1905-6, 1918-20.

Now explored underground. Photos, plan, details

Pyromorphite → 5 mm, yellow to green, various
habits - waxy, needle rosettes & tufts, prismatic.

✓ Mimetite, rarer; 2 mm, occas → 5 mm, sharp
hex platelets [SEM photo], on ferrug. gozzan;
milky white to "glass clear". Jamesonite
fine matted, in cavs of which clear minute
octa's of senarmontite; also anglesite, chusels;
valentinite needles. Bindheimite - yellow rind
on jameson, occas w. cerussite & pyrom.

Galena not v. common, usually "specular" lamellar
in cavs of which chisel-anglesites, pale
yell $\rightarrow$ c'less $\rightarrow$ 3mm; some red ochreous
coatings ? minium [??]. Cerussite, as "jack
straw" needles like Pentite-glaze material;
or tabular single xls & twins & splittings
 $\rightarrow$ 3-5 mm, transparent. In quartz &
gozzan a little linarite $\rightarrow$ < 1 mm (nice
micros), rarely fib. tufts malachite $\rightarrow$ ~ 1 mm.
Dundasite found (checked, BM); small pearly white
needles & tufts $\rightarrow$ 3mm often on tabular cerussite
(8 spec's only) Prev found in corn only at
Wh Rose, S. Athney; Port Quinn M; Greystone Q.
Photos of specimens.

TREVINNICK M., St. Kew, Cornwall (III)

RSN (2000) 36, 23. Visit. [007 785]. Surf + u'gr'd
via a laddered shaft hidden in undergrowth.
Workings shallow, not extensive. Large pods
ochreous galena/qtz vein stuff, with ceruss.,
pyromorphite. Anglesite, berndheim, senarmont,
nat gold also known but not found today.
→ [?] (F. Bouweraerts report)

Trevinnock M, St Endellion, Corn

See Trevinnick M

1" 190

SW 728396 R 79

TREVISKEY UNITED MINES, St. Day, Cornwall.

See also TRESAVEAN M., etc.

TMM (1868), 37: (Cu/Sn) Tetrahedrite.

Dewey (1923) 33. TREVISKEY, after 1848
worked with TRESAVEAN BARRIER, as
EAST TRESAVEAN MINE, produced Cu ores
1845-1855.

Included in TRESAVEAN.

TREVISCOE PIT, St. Stephen, Cornwall

M. Grigg, UKJMM (1986) 1, 45 gave beaut.
clear quartz xls ~ 1926. In 1983 found
seam of black quartz with good xls.

BMSN (2000) 57 8. "Super" smoky quartz

TREVONE CONSOLS, Padstow, Cornwall

See PADSTOW CONSOLS M.

1" 185

SW 885 739

TREVORGUS MINE, St Merryn, Cornwall
See also TREGARGUS M.

AKHJ

SW 885 739

Is this = TREVEGLOS M SW to W of St Merryn?

Trevorgus Farms (Lower & Higher) are ~ 1 km SE of St. M.

1" 185 cont 8576

SW 84-7 75-6

TREVOSE HEAD, Padstow, Cornwall.

F. Gallon (8/77) Priv. Comm. According to locals, quartz xls can be collected in old quarry near Trevoze, and behind the swimming pool in Padstow.

RSWB (9/89). Vein quartz boulders scattered about from near lighthouse at 850 765 to Mother luey's Bay to the E. Some veins exposed near lighthouse and in quarry at 870-2 761 on N side of Cataclews Point, ENE of Trevoze. Vein exposures not impressive, but boulders sometimes

1" 189
WHEAL TREWAVAS, Breage PH SW 59 26
Helston, Cornwall 31

Henwood [See also TREWAVAS CLIFF M., TREWAVAS HEAD.

Dewey Cu (1923) 6 chalcocite & chalcopyrite
in granite. p17 Cu ores 1836-46

D. Atkin et al, MM 47 3936 (1983). Tristramite,
new U. min., of rhabdophane group; as fine-
grained aggreg & coarser infillings in
fractures & cavities - acicular to fibrous,
greenish hue due to assoc. pitchblende,
with marcasite, pyrite, chalcopyrite,
digenite, sec'y U minerals. On old
dumps.

1" 189

SW 599 265

TREWAVAS CLIFF MINE, Breage, Cornwall. M51

See also TREWAVAS HEAD (M52), Wh. TREWAVAS

Jc (1871), 54: (Cu, wkg.) Chalcopyrite; chalybite;
fluorite.

DBB "W. Corn" (1963) 21. Wh. TREWAVAS, Cu mine, fine
engine-houses on cliff. Lodes worked but
to ^{beath} sea. Closed by mid 19th Cent, with
older workings flooded.

1" 189

SW 59 26

TREWAVAS HEAD, Breage, Cornwall. M 52

See also TREWAVAS CLIFF MINE (M 51), W. TREWAVAS.

JC (1871), 54: Albite; schorl; mica.

GM. Cited as U loc.

Pitchblende (BRK?)

1st 186

SX 29 65

TREWETHA MINE, Menheniot, Cornwall. R 132
[Wh. TREWETHA, Quethiock. =]

JC (1841), 65: (Pb Ag) galena.

1" 189.

SW 37 34

TREWELLARD CLIFF, St. Just, Cornwall. StJ 63

JC (1871), 48: Axinite; "pinite"; rock xl.

CMRM (1995) Smoky quartz (TREWELLARD)

1" 186

SX 25 83?

TREWEN QUARRY, South Petherwin, Cornwall

Trewen village SX 2583 x 3182

CMRM(1995) Magnetite

TREWETHEN MINE, St. ^{Kew} ~~Leath~~, Cornwall.

See PENGENNA MINE.

TREWINT MINE, Altarnun, Cornwall

See Wh. VINCENT, Altarnun

TREWITHEEN MINE, St. Stephen, Cornwall

See ST. AUSTELL CONSOLS

EAST Wh. TREWITHE, Sh. Stephen, Cornwall

See ST. AUSTELL CONSOLS

1" 189

SW 675 289

TREWORLIS MINE, Wendron, Cornwall. M 76

JC (1871) 55: (Sn, Cu, wkg.) Cassiterite; chalcocite;
chalcopyrite; magnetite; pyrite;
arsenopyrite.

DBB "W. Corn" (1963) 22 Small; active to 1882 to 72 fms.

1" 185

SW 849 616

^{FA}
TREWORLOCK MINE, St. Columb, Cornwall. SA 33
~~≠~~ TREWOLLACK

JC (1871), 59. (Pb, whg.) Galena

Burt et al (1987) TREWORLACK 849 616

[= TREWOLHACK = TREWOLLACK Gt Wh. ROSE]

722 515

Trezunna M, St Agnes, Corn

See Wh Kitty

1" 1989 ^{Long Downs.} TROLVIS QUARRY, Carnmenellis, Cornwall (I) SW 7434 _{us}
See also LONG DOWNS

Min. Abs. 12, 543. Pegmatite; bertrandite; stilbite,
Robson, Tr RGScom (1952) 18 406 Topaz, apatite, Gilbert
GM. Vg apatite. Trolvis Q, Long Downs, Cornwall
74x34y.

C. Rogers, Priv Comm (1965) good tourmaline xls,
projecting into cavities.

Quarries (1963-4). H. Spargo looking Trolvis Q,
Long downs, Penryn, Cornwall.

RSWB (8/65) 4 203-204. AT 743 345. Bottom
part (where, acc'g to quarryman, minerals are), was

temporarily flooded while men on holiday
smallish but deep square-cut quarry in
grey granite, largely uniform, but
microlitic in patches - according to
quarryman, sometimes get "big violet xls"
(? fluore - ??? apatite !!) & "things sparkling
like diamonds". Found pegmatitic bit,

of two types:-

- ① with much dark brown acicular tourmaline often
sprink w. tiny rhombs cless ? albite, somewhat
smoky qtz; felspar; micas - apatite not seen on
this stuff in quarry, but seen on one spec. of C. Rogers
- ② with large felspar xls, less qtz & tourmaline, & often
sprink. w. tiny rhombs brownish ? albite. Apatite common,
cless → pale blue; fluor, cless & purp zoned cubes. mica.

TROLVIS QUARRY, Long Downs, Cornwall (II)

B Cooper 10/76, Specs → RSWB; 76-179, 180

Anatase, ~~microscopic~~ steel
blue square thin bevelled plates
grouped in vughs, & scattered, on
felspar, quartz, ~~microscopic~~ mica pegmatite
with apatite; fluorite cubes
zoned colourless with purple middles

R. Harker (1973) Min Rec (letter) 4, 94. "Phenakite
has been recorded" - [? error for bertrandite?]

{GR's C.I. (Card 3, computerised but not in print-out)}

Henderite.

1" 189

SW 66 38

TROON, Camborne, Cornwall.

CMRM (195) Almandine

1" 189
WHEAL TRUMPET, ^{SW} Helston, Cornwall ^{6729, 6730} ~~M~~ 33

(Herwood) ~~SW~~

See also TRUMPET CONSOLS (M 77); EAST TRUMPET (M 78)

DBB "W Corn" (1963) 23. Part of TRUMPET CONSOLS
by 1860's.

1" 185

Trugo 898 605

Mine: 895 605 SW

TRUGOE MINE, St. Columb, Cornwall. SA 34

JC (1871), 59: Bismuth; erythrite; opal; jasper.

Dines (1956) 527 A Cu mine, said to have yielded
also some Co ores & native bismuth
Small kellas dumps on both sides of road
½ ml S of Trebudannion. Active in 18th cent

RSW (8/66) 5 58-59 Failed to find it.
[Accord. to farmer, is near 893 605
(3 overgrown sites)]

CMRM (1995) Bismuthinite; skutterudite (~~skutterudite~~);

1" 189 Cont on. SW 674 29 → 302

TRUMPET CONSOLS, Wendron, Cornwall. M7M
See gll. Wh. TRUMPET (M 33); E. ~~TRUMPET~~ TRUMPET (M 78) & others sited below
ROSELIDEN M.

JC (1871), 55: (Sn, wbg.) Cassiterite; feldspar;
limonite; mica.

Rudler (1905), 97. Opal, milk-white & pale blue
translucent, with cassiterite.

DBB "W. Corn" (1963) 23 Union of Wh. TRUMPET
with Wh. DREAM, Wh. ANN & others. Joined by
TREVENEN & TREMENEHEERE in 1860's. Closed
1880 at 210 fms. Ultimately occupied nearly
all area S of Wendron between A 394 & B 3297
Wh DREAM & Wh ANN engine houses still stand
close to B 3297 road.

1" 189

SW 679 304

EAST TRUMPET MINE, Wendron, Cornwall. M 78

See also Wh. TRUMPET (M 33); TRUMPET CONSOLS (M 77).

JC (1871), 55: (Sn, wkg.) Cassiterite.

Turo Consols, Perranzabuloe, Cornwall

See S.W. Leisure

1" 186 6" 16NE (1907) SX 301 851
WHEAL TRUSCOTT, St Stephens by Launceston, Cornwall 3

HIGHER TRUSCOTT Mn MINE

AR, MM (1946)

Dines (1956) 713 = HIGHER TRUSCOTT M. 1½ ml W of Laun'n.
Deep opencut in N bank of R. Kensey,
800 yd W of Newchurches Fm. 70-80 yds
long x 10-12' wide, N 15° E in black
shales & cherts. Shaft ~ 100 yd to NNE.
Output for 1856-60 given under
CHILLATON & HOGSTOR [Devon]. "Brown

Some impure
wood

haematite" output of 1876-7 is prob
magnetite acc. to Sir A.R. (1946)

1" 189

SW 36 33
TRUTHWELL MINE, St. Just, Cornwall.

See also BOTALLACK MINE

1" 189

SW 66 41

TUCKING MILL, Camborne, Cornwall. C 40

TMH (1868), 36: graphite, in porphyry.

Rudler (1905) 103 Lithomarge (? halloysite)
white, with irregular purple stripes.

CMRM (1995) Epidote; grossular

1890

SW 71 51

TURNAVORE MINE, St Agnes, Cornwall 4

See also POLBERRO M

BM: Cassiterite. ✓

Wh. Turton, SR Agnes, Coon.

See Wh. Gertrude

TYRINGHAM CONSOLS MINE, St. Ives, Cornwall H 26

Just off $2\frac{1}{2}"$ SW53, about 49,384?

Tin & copper mine. [- Dines? [v. infra!]]

DBB (1963) 11. Active in 1860's for a few years.

AKHJ (1961) 19 Old BUSSOW MINE renamed. TYR.
 CONSOLS in 1861. Tin ore
 Confused by Dines with WEST PROVIDENCE
 M, Gwinear.

Tywardreath, Cornwall.

Rayner's Cat (1960).

Chalcotrichite.

1" 189 699472, 70,472 SW

A 13

TYWARNHAYLE MINE, St. Agnes, Cornwall

~~See also Wh MUSIC; Wh. ELLEN; E. TYWARNHAYLE M.~~

= Wh. CLARENCE? (GR). q.v. (A 32)

Dewey (1923) 19.

Cu ore produced 1848-1869

AKHTJ (1962) 2 15-17

Important run of Cu mines

S of Wh. Towan group, & now commonly known as Tywarnhayle mine. Chief was Wh. ROCK,

an old mine for Cu, which became UNITED HILLS M. in 1809 — Produced much Cu ore in 1826-47

working, but two serious boiler explosions, 1827 & 1830. Wh. Rock is N of Wh. Music [e is %

near 704 473] [e is not = W. Wh. Kitty].

B. Cooper, Spec → RSWB 1/77, Ex Bill Tolfrey, 19/3/76

A piece of iron-stained rock coated with malachite [efferv. dil HCl] in places sprinkled with traces blue sub-microscopic material (?? connellite)

R. Selley (2006) BMSN 72, 5-6. On dumps:
massive sphalerite, pyrite; qtz-chlorite matrix
with anatase & monazite (rare); some
unident pale brown spherules

1" 190

Nr. SW 707 476

EAST TYWARNHAYLE MINE, St. Agnes, Cornwall

See also TRENETHICK M.

[NOT = OLD E. TYWARNHAYLE M³ at 7349]

AKHJ(1962) 2 17-18 Formed 1864 from Wh. FANCY &
PRINCE ROYAL M. Former to W by stream $\frac{1}{4}$ ml
N of Navy Pit [Wh Musc] - Sn mine; P. Royal M., to E,
a Cu mine, once part of TRENETHICK M [qv]
P. Royal Mine prob = OS's at [715 478] Lower Banns.

Burt et al (1987) 707 476

1" 190

SW 73 49

OLD EAST TYWAR^uNHAYLE MINE, St. Agnes, Cornw.

See BEVAS MOOR M. 73 49

1" 189

SW 506 376

ULLA or WOOLA MINE, Ludgvan, Cornwall

AKHJ (1961) $\perp$ 35 . At NE foot of Trink Hill,
worked Davey's Lode of W. BROTHERS (Lelant).

UNANIMITY MINE, St. Stephen, Cornwall

See ST. AUSTELL CONSOLS, also GT. DOWGAS MIN

Wh Union, Terrazabuloe, Cornw.

See Good Fortune M

1st 189

SW 69 41

UNION MINE, Redruth, Cornwall

Dines (1956) 333-4

Breeches

Includes Wh.

1" 189

SW 49 39

Wh. UNION, Towednack, Cornwall.

H 49

48 38

JC (1871), 48: Cassiterite; schorl; chlorite; mica.

Dines (1956) 113 Included in ROSEWALL HILL
& RANSOM LTD; "Union" later =
Wh WINZE or W. PROVIDENCE

^{1" 185}
UNITED MINES, SW 75 or SX 05? SA 28
Cornwall

Henwood:

[Not in Dines (1956), AKHJ, or Burt et al (1987)]

United Mills (St Ives) Lelant, Cornwall

See Wh Providence

UNITED MINES, Gwennap, Cornwall.

See ST. DAY UNITED MINES

UNITED MINES NORTH, St. Agnes, Cornwall
= NORTH CONSOLS

See W. BURROW & BUTSON

1" 190 ~ 75 42

UNITED DOWNS M., Gwennap. Cornwall.

? Can't find in GR, RSWB, Dines, Burt, AKHT, Collins

V. Rae (Letter → RSWB; undated ~ 1990-91)

"Tin x" [= Cassiterite xls.] UNITED DOWNS

(? ERROR for POLDORY M?)

R. Selley (2004) BMSN 62, 12. Next to Wh. FORTUNE,
Gwennap. Fluorite cukes, quartz
anatase plates; wolframite.

1" 190 SW 73 43 (I)
WHEAL UNITY, Gwennap, Cornwall
Just SE of Wheal Gorland (Bawden's)
(NB. See "Wh UNITY, "Gwinear", H 72) See also Wh GORLAND; Wh. MUTTRELL.

R 8

Mimetite; cuprite; olivinite; liroconite; clinoclase. FOLD ICE

↑
Penzance Mus.

Connellite.

Rutley, 15th. Ed., p. 157, molybdenite; p. 200, erythrite;
p. 201, earthy cobalt (Asbolite)

BM: vvg olivinite; scorodite va.; mimetite, hollow prisms;
copper; chalcophyllite with chalcopyrite;

Henwood: "Arseniate of copper"; mimetite;

Ludler (1905) 51. The loc for olivinite & other

Cu arsenates. W. Semmons (MM 6 160) has remarked that "Wh Unity was a perfect storehouse of Cu minerals, no less than 14 combinations of that metal being found there."

p52 Liroconite seems to have been found only in Whs UNITY, GORLAND & MUTTRELL.

AKHJ (1963) vi, p H. V. rich mine. 144 fm below deep adit by 1819. Water for dressing derived from adit of PEDNANDREA MINE (qv), Redruth, being carried thence in a leat 6 miles long, passing through a 700 fm long tunnel nr. Scottier Stn, finally delivering the water to the "floors" which lay near Wh UNITY WOOD. Same lodes as Wh. GORLAND & E of Wh. 6. P50

Wh. UNITY, Gwennap, Cornwall (II)

Dewey (1923) 30. Included in POLDICE. Lodes
include NORTH, SOUTH, TREFUSIS, PETERS, CAINS N,
CAINS S, FRANCES, BARRETT'S.

Cu ores produced: "UNITY & POLDICE" - 1815-32

W. Phillips (1823) Mimetite; mamillary blende;
azurite, sparingly; chrysocolla, chalcantith
liroconite; clinoclase; olivenite; native
copper; pharmacosiderite; cuprite; molybdenite
"uranite"; asbolite; tennantite.

For
azurite
forbernite

AWOK, RGSC (1964) Botany: blende.

Truro Mus: Liroconite; clinoclase; chalcophyllite;

C. Rogers (1968): Olivenite; pharmacosiderite.

PSWB ~~MA~~ (8/87) Spec. 87-120 ex Sam Weller; has
olivinite; cornubite (IR); 87-121 (same
source) has cornwallite (IR) under olivinite

BM(NH) 31243. (89-63) IR = pseudomalachite

BM(BH) 36469 (89-64) IR = Libethenite crystals
on " γ -pseudomalachite" (Black Pine mine, Montana
unknown)
→ Ident FTIR (7/92)

M. Merry, spec → PSWB 7/93. Near-ceruleite thin blue knobby
with one side of verneite - other side is clinoclase, in quartz

Wh. UNITY, Gwennap, Cornwall (III)

CRM (1995) "Bitumens": chenevixite; corkite;
fluorite; marcasite; parnauite; pyrite;
strashimirite; green tourmaline;
"near"-weilerite (XRD); wurtzite;
cuprite, var. "chalcotrichite"

D. Green, A. Tindle, C. Jewson (2005) UK JMM 25, 37-38
Philipsbornite minute trigonal-cornered
drusy olive-green to brown

1st 190 (CONSOLS)

SW 60 35

Wh. UNITY A, Guinear, Cornwall.

H 72

(NB Wh UNITY, Gwennap (R8)).

JC (1871), 50: (Cu, Sn) Actinolite; amethyst; asbolite;
bitumen; blende; cassiterite; chalc-
-pyrite; chalcophyllite; azurite;
chlorite; chrysocolla; clinoclase;
connellite; copper; cuprite; erythrite;
fluorite; galena; jasper; lirioconite;
malachite; marcasite; minette;
arsenopyrite; molybdenite; olivinite;
petroleum; pharmacosiderite; pyrite;
scorodite; terranite; torbernite.

Dines (1956) 160-1 UNITY CONSOLS,

$1\frac{1}{2}$ ml SE of Gwinear SW 60-7354

NORTH UNITY $1\frac{1}{4}$ ml SE of Gwinear, part
= Wh. LAMIN ~~SW~~ SW 60₅ 35₃

1st 189

SW 67 17

Wh. UNITY, Mullion, Cornwall.

L 20

jc(1871), 54: Chrysocolla; copper; cuprite.

1" 189

SW 63 25

Wh. UNITY, Sithney, Cornwall.

M 64

Part of Wh PENROSE (q.v.)

JC (1871), 55:

Cerussite; chalcopysite;
galena; pyrite.

1" 190

SW 7342, 73 43

Wh. UNITY WOOD, Gwennap, Cornwall.

See also Wh. UNITY WOOD, Kenwyn; Wh. UNITY; St. DAY UTD.;
Wh. GORLAND; Wh. MUTTRELL; POLDICE MINE, TREFUSIS..

Dewey (1923) 30-31 Included in POLDICE MINES. Also
known as W. POLDICE mine - section given on p. 31
was restarting in 1918. 3 lodes, with Cu ores
PITS & VOLLAR LODE, E 30°N, $\frac{1}{2}$ -3 ft; LITTLE ORE LODE,
E 30°N, 6 in thick; TREFUSIS LODE, E 25°N $\frac{1}{2}$ -8 ft.
Cu ores produced 1815-36, 1838, 1853 →.

1st 190

SW 8 4

Wh. UNITY WOOD, Kenwyn, Cornwall. R 76

See also Wh. UNITY, ^{WOOD} Gwenap, etc. 1814/5

JC(1871), 60:

Cassiterite; chalcopysite;
chlorite; fluorite; pyrite;
schorl.

[NOT in Burt et al (1987), AKHT, or Dines (1956)]

WHEAL UNY, Redruth, Cornwall ^{1" 189 69.40g} SW (I) R 17

BM: Amethyst, v.g.

JC (1871), 53: (Sn, Cu, wkg.) Blende; cassiterite.

Rudler (1905) 92. Amethyst

Wh. UNY, Redruth, Cornwall (II)

R. Soc. N. 23 (1992)

Wheal Uny, Redruth, Cornwall 5th April 1992

On a beautiful sunny day, nine members assembled on the hilltop above Church Combe (Redruth), enjoying the spectacular views across to Porthtowan, Portreath and the North Downs, while preparing to enter the mine. After a short introductory talk on the mine, Dave Smith, our guide, led us underground. Access was via a small vertical laddered shaft about 20ft deep, directly into stopes on the Great Flat Lode.

Wheal Uny is the most easterly of the major mines to work the Great Flat Lode, and here it is much steeper than it is westwards, dipping (in Uny) at about 50°. It is in killas down to the 40fm level, where it encounters granite.

Descending the footwall of the stope (which was about 12 feet wide), the party eventually arrived at adit level (about 180 feet from surface) below which the mine is flooded. Our guide then took us through the mine to the west, passing a deep pool of water of a dark blue colour - nicknamed the Blue Pool (of course!). The only problem in getting there was crossing a rubbish-filled, very smelly inclined shaft! The party then returned and crossed to the eastern part of the mine, clambering up through the stopes, searching the footwalls for cassiterite crystals, which occur in small clay-filled fissures (if you are very lucky). Unfortunately, nobody found any (at least no-one told me if they did!), but it was nevertheless a very interesting trip into what was for many of the party, an entirely new underground venue.

Pete Seymour

VALE PLEASANT PIT, St. Austell, Corn
= GUNHEATH PIT (q.v.)

1"190

Nr SW 738 498

Wh. VALLEY, St. Agnes, Cornwall

See also wh. LIBERTY.

AKHT (1962) 2 21-3. Started or restarted
ca 1804/5. On W bank of the coombe.
Copper ore.

"VELENOWETH MINE, nr. St. Ives," Cornwall

See ~~MELLANOWETH MINE~~,
Wh. ANGARRACK, Gwinear.

1" 189

SW 66

14

VELLAN HEAD, Mullion, Cornwall.

L 21

Jc (1871), 54: "Orthoclase, etc., in granite veins"

GS 1" map Tremolite serpentine

1" 190

SW

732 511

Wh. VELVAS, St. Agnes, Cornwall

AKHJ (1962) 3 32 At 732 511

1" 189

SW 6911

69 12

VENTON HILL POINT, Landwednack/Lizard, Corn

GS 1" map:

Andalusite, in mica schist

N^o 185

SX 963 504

VENTONWYN MINE, St. Austell, Cornwall.

See also GT. DOWGAS MINE, Wh. ELIZABETH (=LITTLE VENTONWYN).

Dines (1956) 545, 544. Latterly worked with GT.
DOWGAS MINE. As W extension of lodes of
GT HEWAS MINE. Chlorite, quartz, cassiterite.
Sulphides rare.

CMRM(1995) "sparable" cassiterite;

1" 185

SW 97 50

LITTLE VENTONWYN MINE, St Austell, Cornwall

= Wh. ELIZABETH [qv] See GT. HEWAS UTD MINE.

See also VENTONWYN MINE

Wh. VENTURE, St. Ives, Cornwall

H 60

See TRELYON CONSOLS (H 28)

Veor Mine, Zennor, Cornwall

See Zennor M's

1st 189

WHEAL

2½" SW 53 547306

VERRANT, Perranuthnoe, Cornwall

M 19

~~See also Wh. CAROLINE~~

Nr. goldsithney

Dines (1956) 1 180 Considerable. May be part
of Wh. CAROLINE

1" 186

SX 20

79

WHEAL VINCENT, Altarnun, Cornwall

Includes TREWINT M. (= TREWINT DOWN = TREWINT CONSOLS)

CMRM (1995) Ilmenite

Wh. VINCENT, Callington, Cornwall.

See Wh. St. VINCENT

1^u 189

2 $\frac{1}{2}$ " SW 53 520315

M 16

WHEAL VIRGIN, Marazion, Cornwall

See also MARAZION MINES, etc.

Sn mine ✓

Dumps to E visited Aug 1958 RSWB & GR Loc 19 525314 o/s

1" 189

SW 520 315

Wh. VIRGIN, Marazion, Cornwall.

Dines (1956) 173-7. Includes Wh. CRAB

Cassiterite, chalcopryite, a lode
of sphalerite, pyrite, "limonite",
melanconite

1" 185

SW 85 53 (?)

A 70

Wh. VIRGIN, Perranzabuloe, Cornwall.

JC (1871), 59: (Pb, wkg.) galena; marcasite.

AKHJ OLD VIRGIN MINE SW 854 534

(near Mitchell a little E of Perranzabuloe)
Not in Dines (1956) or Burt et al (1987).

cf Wh VIRGIN ~~Marazion~~ Marazion (nr
Perranuthnoe)

1" 190

Sx 01 47

Wh. VIRGIN, St. Austell, Cornwall. SA 72

JC(1871), 61: (Sn) Cassiterite.

Dines(1956) 568 Stream works for Sn
on White River, upstream from
Pentewan

E & W SW 504 398
VIRGIN SHAFTS, St Ives, Cornwall.

See also ST IVES CONSOLS

1st 190
WHEAL

VIRGINS

SW ~~7442~~ 29
Gwennap, Cornwall 7442

E. & W.

See also CONSOLIDATED MINES (R 60), etc.

Henwood: CONSOLIDATED MINES, Redruth area: W - W. Wh.
VIRGIN; Middle - E. Wh. VIRGIN; WH. FORTUNE (R. 22);
~~W. Wh.~~ CUSVEY (R 28)

TMH (1868), 37. W. Wh. VIRGIN; St Day: (Cu). Azurite;
malachite; cuprite.

W. Phillips (1823) Malachite (W. Wh. VIRGIN). Azurite (VIRGIN),
sparingly. Nat. copper, tennantite;
cuprite (W. Wh. VIRGIN).

~~1821~~
Dewey (1923) 34 ff. Part of CONSOLIDATED M's. TAYLOR'S LODE
first opened up @ Wh. VIRGIN. Good gozzan.
Copper oxides; chalcopryrite, pyrite, quartz 12-30' wide
Worked to a little below 290 fm level
Cu ores sold 1821-47.

Burt et al (1987) Virgin 747 420
W Virgin 743 419

Wh. VLOW, Perranzabuloe, Cornwall. A.66

See PERRAN CONSOLS (A.65).

1" 190

SW 72 42

VOGUE MINE, St. Day, Cornwall. R 66.

JC (1871) 57: Kaolin.

Not in Dines (1956), AKHJ, Burt et al. (1987).

Wh. Vor, Breage, Corn.

See Wh. Metal

1" 189

Cent. on SW 62°300

(GT.) Wh. VOR, Breage, Cornwall.

M 55

See also Wh. METAL (VOR) (MI), etc.

J.C., (1871), 55: (Sn, Cu, wkg.) Albite; apatite? blende;
cassiterite; chlorite; chalcopysite;
copper; dolomite; melaconite;
mica; arsenopysite; orthoclase;
pyrite; steatite; talc? wolfram?

Kudlér (1905) 17. Cassiterite, var. wood tin.

DBB "W. Corn" (1963) 20 Ancient Sn mine. First
 gunpowder also steam pumping engine in county.
 v. rich. After 1853 ~~prospecting~~ operations

12
moved to more S-ly wh. METAL LODGE. In the 1860's
known as GT. WH. VOR. UNITED. To 200 fm by 1868
Closed 1877. Small scale reworking 1885-1901

R. Selley (2014) BMSNGI, 21. WH VREAH, part of
Wh VOR, Breage. dumps. A little cassiterite,
siderite xls, anatase, galena

724 512

Wh. Vor, St. Agnes,

Corm

See Wh Kitty

SW 646 305

M 65

EAST Wh. VOR, Sithney, Cornwall.

See Wh. METAL (VOR)(MI); etc.

JC (1871), 55: (Sn). Cassiterite; chalcopysite;
malachite.

1st 189

SW 61 30

Wh. VOR PENHALE, Breage, Cornwall. M 46

See also Wh. VOR (MI), etc.

JC (1871), 54: (Sn, wkg.) Cassiterite; galena; pyrite

1" 189

SW 5 3

VORLAS, Ludgvan, Cornwall

M 35

Jc (1871), 48:

Flint.

1" 189 2 1/2" SW 53 509382
VORVAS MINE, ST. Ives, Cornwall

H 25

See also BALNOON M.

Tin mine. ✓

DOG SHAFT SE of mine 51238 1/2

AKHT (1961) 1 33-34 VORVAS DOWNS M, W. of

Wh. PROVIDENCE & said to be on same lodes.

Included Wh's NICHOLAS, GAIN (GAYEN), FLAT.

Very rich tin ore. ✓

Adjacent to BALNOON M.

724 507

Wh. Vottal (Vottle, Bottle) St Agnes, Cornwall

See Wh Kitty

Wh. VREAH, Breage, Corn.

See wh VOR

722 516

Vullgathug M, St Agnes, Conn

See Wh Kitty

1" 190

SW 734 294

Wh. vYvYrN, Constantine, Cornwall

AKMJ

Rt 734 294

Dines (1956) 269

1" 189 or 190

SW 64 or 74 ?

WHEAL VYVYAN, Redruth, Cornwall

R 31

Henwood.

[NOT in Dines (1956), AKHJ or Burt et al, (1987).

cf PERRAN wh. VYVYAN 75 49
wh VYVYAN Constantine 73 29

1" 186
WARLEGGON TIN MINE, Warleggan, Cornwall ^{SX 1569} 21

Shown on RSWB's $\frac{1}{2}$ " map at 21 a. ie SX 1569
Spelt "WARLEGGON" (both mine & village)

1" 5x 0/1 8
WARREN'S QUARRY, Camelford, Cornwall

CMRM (1995) Zoisite

1" 186

SX 234 546

WATERGATE, Pelynt, (nr. Looe), Cornwall

W.H. Sands, Gems, 1972, 4, [6], 7. Three small
quartz dykes outcrop at 233 546, 232 548
and 232 550, which produce milky quartz xls
- small, but well-formed & terminated, in
long vughs and pockets between 1 in & 3 ft
long, averaging 4 in deep.

1" 185

SW 8363-8466

WATERGATE or TREGURRION BEACH, Newquay and
Mawgan-in-Pydar, Cornwall

See also WH. SPRY.

~ $1\frac{1}{2}$ ml long beach just NE of Newquay.

Rev. V. Holyer (1989) Priv. Comm. MS.

Some 200 m N of the entrance to the bay
[i.e. ~ 842 652 ?] an EW fault, dipping S,
has narrow quartz veins with galena.

Relatively large blue cummingtonite crystals
ident. in a white clay-like material here
also coating blown sand grains. The large
x's from the clay are ~ the largest so far
from Cornwall

WEETH MINE, Gwinear, Cornwall

See DUFFIELD MINE

1" 189
WELLESLEY MINE, St Ives, SW 50 39
Cornwall.

See also ST. IVES CONSOLS.

Dines (1956) 114. Part of St Ives Consols

1" 185

SW 78 51

WENTWORTH CONSOLS, Pertanzabuloe, Corn.

Dines (1956) 1, 506.

1" 190
WENTWORTH MINE, ^{Gwenap} Redruth, Cornwall SW 70 40

See also CLYJAH MINE; CONSOLIDATED M's.

Dewey (1923) 35. " Part of CONSOLIDATED M's. " " On
" TAYLOR'S LODGE: good gozzan. Copper oxides,
quartz, pyrite, chalcopyrite

Dines (1956) CLYJAH & WENTWORTH M., Redruth
P355-6 SW 70 40. $\frac{3}{4}$ ml S of Redruth St'n.

so NOT part of CONSOLIDATED.

Taylor's lode not mentioned under CLY & W.

but is under & CONSOLIDATED M's on which

is WHITFORD's shaft - the nearest sounding
feature!

Wh. West, Lelant

Cornw

See Wh Providence

1^u 185

SX 05 86

WEST QUARRY, Tintagel, Cornwall.

See also LANTERDAN Q.; TINTAGEL; DELABOLE SLATE Q's.

WEST OF ENGLAND Q, Porthoustock, Corn

See PORTHOUSTOCK

1" 186

SX 255 857

WESTDOWNEND, Egloskerry, Cornwall

Dines (1956) 713 4½ ml W of Launceston.

Adit $\sim$ S 15° E from bank of stream
430 yd NNE of Westdownend Fm, on Mn
deposit. Chert at surface. Small
dump of black shale irreg. impreg. w.
black Mn oxide, & fragments of narrow
vein quartz. Wad & rhodonite said
to occur in veins & lenses. Output 1879, ~~1880~~
1880.

1⁴ 187

2½" Tavistock, 408738 SX

WHEAL WILLIAM S, Latchley, Calstock, Cornwall

50

Cu mine. ✓

1" 189 Paul, 1" 189 479 293 SW
WHERRY MINE, Penzance, Cornwall

SHJ1

AR. Min. Mag. 28 517 (1949). V. rich tin mine
working ca 1790 off shore at Penzance.
Cassiterite, galena, erythrite, arsenopyrite, axinite
etc, in elvan dyke. chalcopysite

AWGN, RGSC (1952) Apatite^{an} old specimen.

JC (1871), 48: (Sn) Cassiterite; cobaltite.

TMH (1868), 48: Blende; cassiterite; chlorite;
cobaltite; arsenopyrite; pitchblende;
"smaltite"; wad; chalcopysite
↳ (=skutterudite)

Wherry M

Dines (1956) 171

W. Phillips (1823). Asbolite

ROSK, RSC (1964) Beaut rare spec's cassiterite. Pitchblende.
White Co ore, ~~possibly malachite or a mixture~~
- which is cobaltite (x-ray). Erythrite coatings

CMRM (1995) Alloclasite (Embrey & Synes, 1987)
alunogen; graphite; "sparable" cassiterite;

1" 190

SW

74 41

WHITEWORKS M., Gwennap, Cornwall

See also Wh. MAID, ~~ST~~ DAY UTD MINES, CONSOLIDATED
MS, Gwennap. Mt WELLINGTON M.,

Sam Weller (10/84) Pers. Comm. The ceruleite
found recently (eg by V. T. Rae, 84-307, 308)
found orig. u'grained by miner "in
Wh. MAID incline part of WHITEWORKS MINE."

BVC (10/84) Pers Comm. Found the ceruleite on
dump of new shaft at 745418, W extension
of Mt Wellington mine, in United mines,
Carharrack, "not St Day United". Also
scorodite, torbernite etc See Wh MAID Gwennap

1" 189

SW 46 39

WICKA [WICCA] MINE, Zennor, Cornwall

See also Wh. HOPE; Wh. CLEVELAND

AKHJ (1961) $\perp$ 13. Line of workings from Pendour Cove, 11th with cliffs as far E as Trevail (or Treveal) stream. Shallow gunnises to S of Wicca Cliff. one prob. WICKA M., of 1823.

Wh. Widden, Morvah, Corn

See Morvah Hill M

1" 174

SS 19 02

WIDEMOUTH BAY, Poundstock, Cornwall

NI. GAZZ

CMRM (1995) Anthracite

1" 189

SW 35 32

Wh. WILLIAMS, St. Just, Cornwall.

See also Wh. CASTLE, BOSWEDDEN MINE, etc.

1" 185

Village SW 9965

WITHIEL, Cornwall

See WITHIEL LTD. MINES. SX 00 64, 00 65

Rutley, 15th Ed., p. 159 Torkernite

BM. Torkernite.

1" 185

WITHIEL UNITED MINE, Withiel, Cornwall
SX 006 649
0064, 0065

See also WITHIEL;

ARKHJ IX (1964), 31.

WH'S JAMES, RETIRE, ROSEWARRICK and

COLBIGGAN (from N-S, on N-S iron lode), amalgamated in
whole or part at various times, as, eg WITHIEL IRON
MINE, VYVYAN UTD., & WITHIEL UTD. MINES. Ca 1850, U

ore found in Wh. ~~near~~ James, then part of WITHIEL
UTD. MINES. Here the Fe lode is intersected
by two E-W Cu lodes, torbernite being found
near intersections - in dark green xls "of
extraordinary brilliance".

of "WITHIEL" (BM; also Rutley, p159 - torbernite).

RSOB (8/66) 5 50 Eventually found - a few
~~striated~~ sattered stones in a corn field, at
0055 6485. Quartz, incl. quite black
x/s [radiation]; goethite; ?psilomelane

1" 186 252725, SX

WITHYBROOK MINE, Cheesewring, Cornwall

~~See also WH. PHOENIX' etc.~~

AWGK, RGSC (1952). Just W. of Wh. Phoenix.

K 8

Woola M, Ludgvan, Corn

See Ulla M

Not on OS maps (1")

SW 2612

WOLF ROCK, Cornwall

CMRM (1995): JH Teall (1888) British Petrography.

Aegirine;

RK Harrison et al (1977) geol Mag 114, 249-64:

Cancriinite.

E H Adye (1907) Modern Lithology.

S. Alport (1871) geol Mag 8 241

CE Tilley (1959) geol. Mag 96 503-4.

Hauyne

Nepheline; noisear

Saunders

Woon Rawe [= goon rawe] M, Redruth,
Cornw

See Wh. Gilbert

1" 186
WHEAL WREY, St. Ive,

SX 2966, 3066
Cornwall.

26

BM: giant calcite, sprinkled with pyrite;
superb calcite.

Rudler (1905), 93 Good calcite, sometimes assoc
with pyrite cubes

1st 189
YANKEE BOY MINE, St Just, ^{SW} 322 325
Cornwall

See PRAZE and YANKEE BOY MINE

1" 186

SX 27 70

YOLLAND CONSOLS MINE, St Ive, Cornwall.

See also GLASGOW CARADON CNSLS, = TOKENBURY M.
NOT = YEOLAND CONSOLS, DEVON [SX 50 66]

Dewey (1923) Included in GLASGOW CARADON CNSLS.

Dines (1956) ~~not~~ 604

Wh. ZAUSEN, ^{1" 190?} Redruth, ^{SW 70 41 (?)} Cornwall.

AKHJ (1962) 3 13. Near top of Lanner Hill;
supplied dressing water for Wh. Sparrow
in 1765. On Wh. GORDON adit

~~SW 443~~

1" 189

SW 443 388

ZENNOR MINES, St. Ives, Cornwall

H 35

See also MORVAH UTD. MINE; CARNELLOE M

Henwood. - ZENNOR M.

AKHJ (1961) 1 ZENNOR CONSOLS formed 1851 to
join CARNELLOE, VEOR, & ZENNOR HEAD M's.
However, Carnelloe separate in 1862
Z. Head mine to E, on Zennor Cliff

Zennor Head M, Zennor, Cornw

See Zennor M¹s

1" 187

SX 431-2 6965

Wh. ZION, Calstock, Cornwall

See also COTEHOLE CONSLS; CALSTOCK & DANESCOOMBE CONSLS

~~From~~ CMRM(1995) Anatase