DEVONSHIRE

AG Dearnley MM 33 lxi (1961) Coffinite from various in situ locs in SW England

Devon.

G+L. **Plymouth**: Calcite, formerly in good modified scalc at Breakwater quarry near Plymouth.

Exeter: calcite, amygdaloid.

Bovey Tracey: lignite; retinite with brown coal; apatite, large fine cream translucent x/s, in a quarry at B.T.; x/s occasionally 2" long, assoc. with splendid x/s of schorl; this loc. exhausted long ago.

Beeralston: dolomite with fluor. Schiefer-spar. Fluor, several interesting vars, cubic forms prevailing; the finest x/s are either colourless or pale sea-green inside & ~~brick~~ rich blue on surface or edges; or

the colour zoning is reversed; Also in pale-green oct., usually opaque, on hornstone (which often forms ψ morphs) or capped with quartz; also pale-green fibrous + compact. Calcite at various mines.

M.M. 33, xlvi (proc. 1961). Exhibit: J.F. Wyley.
Metatyuyamunite from the Permian, Budleigh Salterton.

Devon.

AWGK: High Down quarry, Heddon, Filleigh, Devon. This original loc. for wavellite is usually referred to as "near Barnstaple, Devon".

G+L: Wavellite, abundant in crevices in slate near Barnstaple.

Hemnock: specular haem.; red haem.

South Hooe, near Beer Ferris: dolomite; argentiferous galena, 135 oz/ton.

East Tamar mines, Beerferris: fluor; azurite, good xls.

Beerferris: calcite, various mines.

Wh. Franco: apatite, some years ago, small greyish-green to brown stalactitic xline masses.

C.H.L.

Wh. Friendship, nr. Tavistock. (Mary Tavy).
Calcite, pale lilac obtuse rhombs [AWOK: also schieferspar]. Scheelite, fine yellow octahedra up to 1½" in chlorite, occasionally with wolfram.

Sidmouth: celestine, transpt. xline plates on gypsum at Sidmouth, where it occurs also in flints.

Torquay: baryte, small tabular xls with calcite at Babicombe, + in many other quarries ~~at~~ near Torquay.

Bideford: Anthracite.

Chudleigh: petroleum; alum in clay.

Buckfastleigh: aragonite.

Ilfracombe: aragonite, spicular, very fine.

Torbay: aragonite, aggregates of acic. xls.

Devon

BM spec: (1) cerussite, groups of 1" long white pr. in parl. growth on cockscomb bar. Frank Mills, Christow.

(2) Marialite, $Na_4Al_3Si_9O_{24}Cl$, largish pure-white fibrous mass, Meldon.

(3) Celestine, tabular xls with calcite in vugh in marl. Peak Hill, Sidmouth 109869

(4) Niccolite, warty nodule in bleached zone of marl. Budleigh Salterton.

MM. 33, lxiv (proc., Jan. '62). AWGK exhibit:

Varicite (1) High Down quarry, Filleigh.

(2) Pitts Cleave quarry, Tavistock.

Rep. Trans. Devon. Assoc. Adv. Sci. Lit. Art, 84, 81 ('52) = MA. 12, 362. Ramsden, notes on the mines of Devonshire [sketch-map]. Cf. Min. Mag. 27, 75.

M.A. 13, 26.

Min. Soc. Notice No. 89 ('55) – AR, additional notes on the rhodonite deposits in Devonshire – no details published.

MA. 14, 28. Toll, Mining Mag. 1958, 99, 17-19. 7 figs. Mn in W. Devon: brief account of past mining near Chillaton + Brentor. Mn occurred as pyrolusite, psilomelane + occasionally rhodonite, in irregular masses often accomp. by chert, adjacent to extensive greenstone intrusions in argillaceous Carb. rocks.

DEVON

MM. 1926, 21, 14 – Brammall – contd.

Misc.

Biotite, Princetown granite.	1·5	108·0
graphic granite, Hameldown	tr.	9·6
pegmatite, Ponsworthy	tr.	16·8
~~not~~ pneumatolised (red) granite, Vixen Tor qu.	nil	8·8
Mn-rich deposits on joint-planes Merrivale qu.	9·6	72·7
Vein-pyr, Merrivale qu.	1·6	125·3

Bittleford pegmatite	ranging	218	360
		↓	
		7	29

St. Austell granites:

China-stone	1·0	97·4
Colcerrow type	4·8	56·6
Prideaux type	2·4	27·8

AKHJ Mines of Devon 1 (S) AKHJ 4.50.

Non-Ferr Mineral Fields JR Foster-Smith 9

N Cave Mine Res Soc. Occas Pub No 7. (

Dr. R.S.W. Braithwa
Hagendorf,

East Devon caves

British Caver 32, 13 (1959).

In 1956 intensive search started for new caves; most outstanding was Raider's Rift [British Caver 31,48]; keys to this held by sec. of East Devon Caving Club (formed 1959). Newsletter of E.D.C.C., April 1959:

Fenacre Cave: entrance in face of Fenacre quarry by descending 30 ft. down face. Mainly a triangular chamber 16 ft. high, 25 ft. base, 23 ft. long, connected with 18-in. wide fissure 35 ft. deep, 15 ft. long, coated with ornage flowstone. System disturbed by blasting. Discovered 1959.

Raider's Rift: grade 5 survey complete + obtainable from sec.

Milverton caves: in conglom. of red sandstone, pebbles + limestone [appears to be reached from a quarry - no exact detail - GR.]

PTO

ibid. 57. R.Winch.

Raider's Rift at 052169, discovered 1958. About 1200 ft. long, consists mainly of high, narrow rift chambers and narrow solution passages running about NW from entrance, Situated in a working quarry + affected by blasting.

S.W. England: bibliography.

Butcher, Nat. 1961, 190, 253. Age of the orogeny & granites in SW. England.

Whittard, Proc. Roy Soc. A 265, 395 (1962). Geology of the western approaches of the English Channel: a progress report. [coring near Wolf Rock, + 20 mls N of Roscoff].

Min. Mag. 33, lxi (proc. for 1961). A.G. Dearnley, exhibit: coffinite from various in situ locs in SW England.

Brown, RGSC 1962, 19, 185. Physical geology of china clay deposits of SW England.

Robson + Nance, RGSC 1959, 19, 33. Geological terms used in SW England.

Abstracts of Proc. Conf. of geologists + geomorphologists in SW England. Exeter, 1958. (MA 16, 320 — q.v.).

Owen, Nat. 1961, 191, 486. Age of the orogeny + granites in SW England.

Butcher, ibid. A reply to the above.

SW England: bibliography.

Millman, Geo. Cosmo. Acta 1957, 12, 85; MA. 15, 127.
Biogeochemical investigations in areas of Cu/Sn mineralisation in SW England.

Rumbold, Mining Mag. 1954, 91, 16–27.
Radioactive minerals in Cornwall + Devon.

DEVON.

M.M. 1926, 21, 14. Brammall, Au + Ag in the Dartmoor granite

(1) Welstor Cross quarry, nr. Buckland Beacon, east Dartmoor. Several E-W compact gran. qu. veins; thickest 8", with occasional nests of rad. tourm. + isolated patches of felspar. No vughs + no gold. Minute flakes of Au on (not joint) fractures of a large block of granite above main qu. vein. V. rare.

(2) Small quarry nr. cottage immediately

south of Vixen Tor, west Dartmoor.

5 specimens from here have minute flakes of Au. in the body of the granite. Bulk anal. of gran. showed 0·00004 % Au, 0·00024 % Ag.

(3) Bittleford Down — see MM '24, 20, 201.

(4) On ~~vein quartz~~ coll^d somewhere near Vitifer mines — several minute flakes of Au in earthy haematite coating vein-quartz.

(5) Minute particles of Au included

MM. 1926, 21, 14, Brammall – contd.

in a water-clear xl of cavity-quartz on top of North Hessary Tor.

Anals:

normal tor-granites (all show tr. Cu)

	Au	Ag
Birch Tor	0	20.4
Bonehill Rocks	2.4	1.2
Greator Rocks	1.2	9.6
Northcombe, Widecombe	1.2	54.0

gr./ton of 2,240 lb.

Normal quarry-gran.	Au	Ag.
Cold East Cross qu.	1·6	10·4
Haytor: east qu.	tr.	6·0
Haytor west qu.	1·2	6·0
Merrivale qu.	3·6	106·2
Princetown:		
Prison qu	6·0	158
Vixen Tor qu.	6·3	38·1
Welstor Cross qu.	tr.	tr.

MINERAL LIST - DEVON - 1

R. S. W. Braithwaite

Actinolite
Albite
Allophane
Almandine
Alum
Amblygonite
Amphibole
Anatase
Andalusite (Including chiastolite)
Andradite
Anglesite
Apatite
Apophyllite
Aragonite
Arseniosiderite
Arsenopyrite
Autunite (Including m-)
Axinite
Azurite

Baryte
Bavenite
Beryl
Beryllonite
Biotite
Bismuth
Bismuthinite
Bituminous minerals
Bornite
Boulangerite
Bournonite
Brochantite
Brookite(?)
Bustamite

Calcite
Cassiterite
Celestine
Cerussite
Chabazite
Chalcedonic silica (Including agate, jasper, etc....)
Chalcocite
Chalcophyllite
Chalcopyrite
Childrenite
"Chlorites"
Chrysoberyl
Clinoclase
Cobaltite
Coffinite
Columbite
Conichalcite
Copper
Cordierite
Cornubite
Cornwallite
Covelline
Cuprite

Datolite
Diopside
Dolomite
Dufrenite
Dumortierite

Elbaite
Erythrite
Eudidymite

Fluorite
"Francolite" (CO_3-apatite)

Galena
Goethite (Including "limonite" etc.)
Gold
Grossular
Gypsum

Haematite
Halloysite (?) ("lithomarge")
Hedenbergite
Helvine
Heulandite
Hornblende

Idocrase
Ilmenite

Jamesonite (Doubtful)

Kaolinite

Lepidolite
Linarite
"Lithomarge" (= Halloysite OR kaolinite)
Löllingite

Magnetite
Malachite
Malayaite
Manganite
Marcasite
Marialite
Meneghinite
Meta-ankoleite (?)
Meta-tyuyamunite (?)
Milarite
Millerite
Mimetite
Molybdenite
Montebrasite
Montmorillonite
Muscovite

Niccolite
"Nisaite"
Nontronite ("Chloropal")

Oligoclase
Olivenite
Opal
Orthoclase

Palygorskite (?)
Pascoite (?)
Petalite
Petroleum
Pharmacosiderite
Phosphuranylite
Plagioclase
Pollucite
Prehnite
Pseudomalachite
Psilomelane
Pyrite
Pyrolusite
Pyromorphite
Pyrrhotite

Quartz

Rashleighite
Rhodizite
Rhodochrosite
Rhodonite
Rockbridgeite

Sabugalite (?)
Scheelite
Schorlite
Scorodite
Semseyite
Siderite
Silver
Sphalerite
Sphene
Spodumene
Stibnite

Tetrahedrite
Topaz
Torbernite (Including m-)
Tremolite

Uraninite
Uvarovite

Variscite
Vivianite

Wavellite
Wolframite
Wollastonite

Zircon

1/76

Actinolite

Devon

Belstone M
Brent Tor
Haytor
Meldon
Ramsley M
Stickelpath
New England Q

Agardale (Y) Devon

Bedford Utd M

Ajoite Dev

S. Wh. Crebor (=New E. Wh. Russell)
E. Wh. Russell [error for S wh. Crebor]

Albite

Dev

Wh Friendship
Meldon

Algodonite

Dev

Budleigh Salterton

Allophane

Dev

Wh Hamblyn ("Schrötterite")

Almandine

Dev

Meldon (?) ("Red garnet")

Alum

Dev

Chudleigh ("Kalinite")

Alumokungsite Devon

Hemerdon (?)

Amblygonite Dev

Meldon

Amphibole (unspec) Dev

Bitlleford Down
Meldon

Anatase

Dev

George e Charlotte M
Tavistock
Virtuous Lady M
Little Duke M
Meldon Q

Andalusite (incl chiastolite) Dev

Dartmoor
Ford Farm Q'y
Holstock (? chiastolite)
Ivybridge (? Chiastolite)
Meldon (Chiast.)
Okehampton
Teign Valley (Chiastol)

Andradite

Dev

Bebstone M

Meldon (?) ("Demantoid")

Okehampton (?) ("Demantoid")

Ramsley M.

Hobhouse Q

Anglesite

Dev

Beeralston Ms

E. Tamar M

Ankerite

Devon

Combe Martin

Annabergite

Devon

Brookwood e/or Emma M's
Budleigh Salterton (erythr-annab)

Antimony

Meldon (arsenian)

Devon

Antimony mins, unspec Dev

Wh. Emily
Frankmills M
Gawton M
Wh Harris, Lifton

Apatite Dev
(See also "Francolite")
Bittleford Down E. Gunnislake & S. Bedford
Bovey Tracey
Chudleigh
Wh Franco
George & Charlotte M.
Haytor
Meldon
Tottneston Cave (Collophane)
Virtuous Lady M
W. Wh. Crebor

Apophyllite

Meldon

Dev

Dev

Aragonite

Buckfastleigh

Bully Cleaves Q

Combe Martin

Ilfracombe

Torbay

Hope's Nose

Bampfylde M

Brixham

Budleigh Salterton (?)

Arsenic, native. Devon

Meldon

Arsenic oxidemke

Dev

Huckworthy Bridge

Arsenoflorencite – (Ce)

Hemerdon

Arsenolite

Dev

Devon Gt Consols M (Artefact)
Meldon

Arsenopyrite (I)

Bedford Utd Ms
Belstone M (Including Cobaltons (?))
S. Wh Crebor
Devon gr. Consols M
Frementor
Haytor
Hemerdon
Meldon (?)
Merrivale Q
Ramsley M

Dev

Shallowford M
Tamar Ms
Tamar Consols M
Tavistock
Virtuous Lady M
Wh Maria
Wh Fanny
Wh Anna Maria
S Wh Fanny Tavistock
Devon gt United M
Horsebridge
New Devon Consols Sh

Hopy

W. Devon Consols M
Ding Dong M
W. Wh Crebor
Wh. Crebor
Crowndale M
Russell Utd Ms
E. Wh. Russell
Jawton M
Bedford Consols M
Little Duke M

Tavy Consols
Ivy Tor M
Wh. Mary Hutchings
Bottle Hill M
Sidney M
Bottington Consols M
Devon & Courtenay M
gt W Sortridge M
Kjxhill M
W. Sortridge Consols
Sortridge Consols
Furzehill M, Walkhampton

Arsenopyrite (II)

E. Bertha M
Buller e Bertha M
Bottle Hill M
W. Wh. Friendship
Wh. Friendship
S. Wh. Friendship
S. Devon Utd. M.
N. Devon Utd. M
Cent Devon Utd. M
Wh. Jewell
Wh Josiah

Devon

Crowdey Parks M
Gooseford M
Brookwood e/or Emma Mts
Budleigh Salterton

Asbestos, unspec. Dev

Belstone M
Seaton
(New England Q)

Atacamite Devon

Budleigh Salterton (?)

Autunite (including m-) Rev

Merrivale Q
Vixen Tor
Meldon

Axinite

Dev

Belstone M
Brent Tor
Copper Hill
Wh. Forest
Wh. Friendship
Fursdon M
Haytor
Meldon
Okehampton
Ramsley M

Red-a-Ven Brook M
Sticklepath
Tavistock
Hobhouse Q
New England Q (?)
Meldon Q
Lydford Gorge

Azurite

Dev

Bampfylde M
Combe Martin
E. Tamar M
Budleigh Salterton (?)

Baryte

Dev

Babbacombe Bay
Birch Ellers M
Bridford M
Exmouth M
S. Exmouth M
Frankmills M
Hennock
Lawrence M
Mary Church
Newton St. Cyres

Reed M
Torquay
Pickards Down
Westleigh
Upton Pyne (?)
Holcombe (?)
Whipcott
Silverbrook M
Peak Hill, Sidmouth

Bavende

Dev

Meldon

Beaverite

Devon

Sortridge Consols

Exmouth M.

Bementite Devon

Chillaton

Beudantite Devon

Bedford Utd M.

Beryl

Dev

Lustleigh
Meldon

Beryllonite

Dev

Meldon

Bieberite Devon

Brookwood e/or Emma Ms (?. - soluble!)

Biotype

Dev

Meldon

Bismuth

Dev

Wh. Friendship
Atlas mine

bismuthinite

Dev

Devon & Corn. Utd. M.
George & Charlotte M
Ivy Tor M
Tavistock
Meldon

Bituminous mins Dev

Abbotsham (Anthracite)
Bideford (Anthracite)
Bovey Tracey (Retinite)
Chudleigh (Petroleum)
Collumpton (Anthracite)
Wh. Crebor (Bitumen)
Hawkridge Wood (Anthracite)

Bornite

Dev

Bampfylde M
Britannia e Prince Regent M
Budleigh Salterton.

boulangerite

Dev

Shallowford M

Bournonite

Dev

Beeralston Ms
Bridford M
Shallowford M

Brochantide

S. Wh. Crebor

Exmouth M

Ding Dong M.

Wh Friendship

Bedford United M

Bampfylde M

Brookite

Dev

Tavistock
Virtuous Lady M
Meldon

"Brown Haematite" Devon

See Goethite

Bustamike

Dev

Meldon

Calciovolborthite Dev

Budleigh Salterton (?)

Calcite

Dev

Ashburton
Babbacombe Bay
Beeralston Ms
Beerferris
Belstone M
Breakwater Q, Plymouth
Brixham (?)
Buckfastleigh
Bully Cleaves Q
Combe Martin
Dawlish
Exeter
Exmouth M
Wh Friendship
Hope's Nose
Ivybridge Consols M
Mary Church
Meldon
Oreston
Peak Hill
Plymouth
Red-a-Ven Brook M

Ca

Torquay
Bremley M
Pickard's Down
Tuckers Moor (?) ("calcareous matter")
Upcott M
Westleigh
Daddy Hole
Hobhouse Q
Silverbrook M
New England Q
Brookwood e/or Emma M's

Budleigh Salterton (?)
Broadlands
Ideford

Carbonate-apatite

Dev

See "Francolite"

Carbonate-cyanotrichite Dev

S. Grebor

Carminite Devon

Bedford Utd. M.

Cassiterite, "tin ore" (I) Dev

Anderton M
Ashburton M
Ashburton Utd M
W. Ashburton M
Atlas M
Bedford Utd M

E. Birch Tor M
E. Birch Tor e Vitifer M
E. Bottle Hill M
S. Wh. Crebor

Dartmoor
Wh Friendship
Devon gr. Wh. Ellen
Devon Poldice M
Wh. Forest
Wh Franco
Wh Frederick
Frementor
gr. Week M
Hemerdon
Kings Oven M

Cassit

Lidford Consols M
Wh. Mary Emma, Lifton
Wh. Mary Hutchings
Newton Abbot
Wh. Phoenix, Bickleigh
Plympton
Rixhill M
Russell United M
Sheepstor
Sigford M
Smith's Wood M
Swincombe Vale M
Wh Sydney
Tamar Consols M
United M's, Tavistock
Walkham Utd M.
White Works
Wh Maria
Wh Anna Maria, Tavistock
Wh Josiah
S. Wh Fanny
Watson's M
Devon gt Consols

Cassiterite (II)

Devon

W. Mariae Fortescue M
Devon Gt United M
W. Devon Consols
E. Gunnisl e S. Bedford
Ding Dong M
Wh. Crebor
Crowndale M
N. Impham M
E Wh Russell
Gawton M

Bedford Consols M
Little Duke M
Tavy Consols
Morwellham Reef
Tamar Valley Alluvials
Loughtor Q
Hemerdon Consols M
Bottle Hill M
Florence M, Plympton
Sidney M
Gt W Southridge M

Cornish II

W. Sontridge Consols
N. Wh. Robert
E. Wh. Robert
Furzehill M, Walkh'ton
N. Roborough Down M
Yeoland Consols
Kit M
Ashburton
Wh Prosper, Lydford
Foxhole M
Wh Mary Emma, Lydford
Hexworthy M
Nun's Cross M
Eylesbarrow M.
Plym Consols M
Merrivale bridge M
Walkhamp Poldice M
Westdown M, Whitch'ch.
Anderton M's
S. Wh. Friendship
Gibbet Hill (?)
Cent. Devon Utd M
N Devon Utd M
S Devon Utd M

Cassiterite (III)

Devon

Wh Jewell
Rattlebrook M
Barracott M
Bushdown M
Golden Dagger M
Gt Eleanor M
Headland M
E. Vitifer M
W. Vitifer M (?)
Waterhill M
Little Duke M

Hobhouse Q (Sn) (?)
Goosford M (Sn) (?)
Brookwood & or Emma M's
Lee Moor

Celestine Dev

Peak Hill, Sidmouth (error for baryte?)
Sidmouth (error for baryte?)

Cerargyrite (Chlorargyrite) Devon

Hope's Nose (bromian)
Budleigh Salterton (?)

Cornwall

Dev

Beeralston Ms
Exmouth M
Frankmills M
Kennock
Tamar Ms
E Tamar M
Whitleigh M
Hope's Nose

Chabazite

Dev

Ramsley M

Chalcedonic silica Dev

Babbacombe Bay ("Beckite")
Beeralston M_5
Belstone M (Jasper)
Blackdown Hills (Agate, chert, flint)
Brent Tor (Jasper)
Buckland Brewer (Jasper, chert, flint)
Budleigh Salterton (agate)
Great Week Mine
Haldon (Chert, flint)
Haytor (Agate, chalced., "haytorite")

Chalcedony et

Mary Church (Agate)
Okehampton (Jasper)
Orleigh Court (Chert, Flint)
Ramsley M (Hornstone ψ- after schedule)
Riley M (Chert)
Scamniclift M (Chert)
E. Tamar M (Hornstone)
Tavistock (Chalcedony)
Teign Valley (Cherts)
Torbay ("Beekite")
Sidmouth (flint)

Hopes Nose
Goodeford M (Yellow-orange)

Chalcoalumite

Dev

S. Wh. Crebor

Chalcocite

Dev

Bampfylde M
Meldon (?)
Ramsley M
Bedford United M's
Budleigh Salterton
Wh Cumpston

Chalcophyllite

Dev

Tamar Ms

Tamar Consols M

Bedford United Ms

Chalcopyrite ("See also: copper mins, unspec") (I) Dev

Ashburton M
Ashburton Consols M
Ashburton Utd M
W. Ashburton M
Bampfylde M
Kw Bampfylde M
Bedford Consols M
Bedford Utd Ms
Beeralston Ms
Belstone M
E. Bertha M
Britannia & Prince Regent M
Brookwood M
Buller & Bertha M
Collacombe M
E. Collacombe M
Cawsand Vale M
Combe Martin
Concord M
Wh Courtney
Wh Crebor
S. Wh. Crebor
W. Wh Crebor

Cupy

Wh Crelake
Crowndale M
Dart Utd. M
Devon Wh. Buller
Devon & Cornw. Utd M
Devon & Courtenay M
Devon Wh. Frances
E. Devon gt Consols
Devon gt Consols M
Devon gt Wh Ellen
New Devon M
Devon Poldice M

Wh Emma, Buckfastleigh
Exmouth M
Wh Franco
Frementor
Wh Friendship
N. Wh. Friendship.
Fursdon M
Gawton M
George & Charlotte M
N.W gt Consols M
gt Devon Consols M
E Gunnislake & S. Bedford M
N. Hooe M.

Chalcopyrite (II)

Dev

Huckworthy Bridge	Molland M
Ivy Tor M	Peter Tavy & Mary T. Cons.
Lady Bertha M	W. Phoenix, Bickleigh
S. Lady Bertha M.	Queen of Tamar M
Lawrence M	Ramsley M
Lopez M	Red-a-Ven Brook M
Lundy Is	Wh Robert
E. Wh Maria	N Wh. Robert
W. Maria & Fortescue M	E. Wh Russell
Meldon	Russell Utd Mines

Cupy II

Shallowford M
Sigford M
Sourtridge Consols M
Tavy Consols
Trusham
United M's, Tavistock
Victoria M
New Victoria M
Virtuous Lady M
Birch Tor & Vitifer M (?)
Wellsworthy M

Yarner M
S. Zeal Consols
Wh Fanny
Devon & United M
New Devon Consols Sh
W Devon Consols
Capunda M
Wh Carpenter
Wh Grace
Devon M
Ding Dong M
Tavistock Canal Tunnel

Chalcopyrite (II) Dev

Huckworthy Bridge
Ivy Tor M
Lady Bertha M
S. Lady Bertha M.
Lawrence M
Lopez M
Lundy Is
E. Wh. Maria
W. Maria & Fortescue M
Meldon

Molland M
Peter Tavy & Mary T. Cons.
Wh. Phoenix, Bicklegh
Queen of Tamar M
Ramsley M
Red-a-Ken Brook M
Wh Robert
N Wh. Robert
E. Wh Russell
'Russell' Utd Mines

Cupy II

Shallowford M
Sigford M
Sourtridge Consols M
Tavy Consols
Trusham
United M's, Tavistock
Victoria M
New Victoria M
Virtuous Lady M
Birch Tor & Vitifer M (?)
Wellsworthy M

Yarner M
S. Zeal Consols
Wh Fanny
Devon & United M
New Devon Consols Sh
W Devon Consols
Capunda M
Wh Carpenter
Wh Grace
Devon M
Ding Dong M
Tavistock Canal Tunnel

Chalcopyrite (III)

Devon

William & Mary M
Morwellham Reef (?)
("Quand Fe sulphides")
Bremley M
Gount M
Upcott M
Loughtor Q
Bottle Hill M
Anderton Ms
Walkham Utd M
Wh George

N Wh Robert
Walkhampton Consols
Whitleigh M
Bottle Hill M
Lopez M
Budleigh Salterton
W. Wh Friendship
S. Wh Friendship
Cent Devon Utd M
New Vitifer Consols
Little Duke M

Copy III

Hope's Nose

Brixham

Frankmills M.

Lockridge M

Chalcosiderite Devon

Bedford Utd M's (?)

Chenevixite Dev.

Bedford United Mts. (?)

Chiastolite
See Andalusite

Rev

Childrenite

Old Wh Betsy
Wh Crebor
W. Wh. Crebor
S. Wh. Crebor
Devon e Cornwall Utd

George e Charlotte M
E. Wh. Russell
Tavistock Canal Tunnel
Virtuous Lady M
William e Mary M

Dev

Tavistock
Furzehill M (Walkh'ty)
~~Walkham Utd M~~
Sortridge
Consols M
Gawton M
Little Duke M.
Russell Utd M.
Wh. Anna Maria

Chlorite, unspec. (I) Dev

Bedford Utd Ms
Wh. Crebor
W. Wh. Crebor
S. Wh. Crebor
Dev. & Cornwall Utd M
Wh. Friendship
George & Charlotte M
Red-a-Ven Brook M
Virtuous Lady M
Wh Fanny

Devon gt Consols
New Devon Consols
Capunda M
Wh Carpenter
Collacombe M
Wh grace
Devon M
Wh Conquer
E Gunnislake & S. Bedford Ms
Ding Dong M
Tavistock Canal Tunnel

"Chloride"

N. Impham M
Russell Utd M
E. Wh. Russell
William e Mary M
Bedford Consols M
Little Duke M
Tavy Consols
Wh. Fortescue.
Wh. Mary Hutchings
Bottle Hill M
Sidney M
Bottington Consols M

Wh Franco
Rixhill M
Devon Burra Burra
Surprise M
W. Southridge Cons
Southridge Consols
Wh George
Walkhampton Cons
E. Bertha M
Buller e Bertha M
S. Lady Bertha M
N. Robdrough Down M
Yeoland Consols M

Chlorite, unspec. (II)

Bottle Hill M
Devon & Courtenay M
Devon Wh Union
W. Wh Friendship
S. Wh Friendship
Gibber Hill
Cent Devon Utd M
N Devon Utd M
S Devon Utd M
Wh. Jewell
Bowden Hill

Devon

Moorwood M
Ivy Tor M
Brookwood &/or Emma M's
Huckworthy Br.

Chloropal

See Nontronite

Rev

Chrisstanleyite $Ag_2Pd_3Se_4$ Devon

Hope's Nose

Chrysokeryl

Dev

Meldon (doubtful – AWGK)

Chrysocolla

Devon

Meldon Q (?)

Cinnabar Dev

Crediton Trough

Clausthalite

Devon

Budleigh Salterton

Hope's Nose

Clinoclase

Da

Bedford Utd. Ms

Ding Dong M

Cobaltite

Da

Wh Friendship
Brookwood s/or Emma Mls

Coffinite

Devonshire

Budleigh Salterton

Dev

Columbite

Dav

Meldon

Conichalcite

Dev

Bedford Utd Ms

Connellike

Devon

Ding Dong M.

Bedford United Ms

Copper, native Dev

Wh. Crebor

S. Wh. Crebor

Devon Courteray M

Devon Gt. Consols M.

Gt Devon Consols M

Budleigh Salterton

Bedford United Ms

Wh Thomasine

Copper mins., unspec. Dev

Anna Maria M, Dunsford
S. Wh. Betsy
Capunda M
Wh. Carpenter
Catsbridge M
Colcharton M
Copper Hill
W. Wh. Crebor
N Devon Utd M
Devon Gt United M
Combe Copper Lode.
Devon Wh. Union
N. Exmouth M
Wh. Fanny
W. Wh. Friendship
Furzehill M, Bere Ferrers
S. Wh Crebor ("Cu carbonates & oxides")
Wh Harris
Laurence M (Cu staining)
Wh. Maria
Poltimore M
E. Wh. Russell
Reed M.

Cu mins, unspec

Gooseford M (?)

Westdown M

William & Mary M.

Wh Maria

Wh Anna Maria, Tavistock

Wh Emma, Tavistock

Lusconbe M ("Cu ore", "Cu stains")

Ding Dong M ("CO_3's & Oxides" [? Cu & Fe])

N. Impham M ("Cu stains")

Little Duke M ("Cu ore")

Bedford Consols ("Cu stains")

Lundy Is.

Lopez M ("Sec'y Oxides & CO_3's")

Alwington (?)

Bere Chanter M

Wh. Fontescue

Wh Hartland

gt Heasley

Portledge M

Swimbridge

Hannaford (?)

Devon Burra Burra

Surprise M

Yeoland Consols

Wh. Hunt

Walkham & Poldice M

Cordierite

Rev

Meldon

Cornubite Dev

Bedford Utd Ms

Cornwallite

Bedford Utd Ms

Rev

Covelline

Dev

Belstone M
Combe Martin
Budleigh Salterton
Williamse Mary M

Cristobalite Dev

Budleigh Salterton (α-) (?)

Cuprite

Dev

Bedford Utd Ms (incl ch'trich)

Wh Crebor

S. Wh. Crebor

Ramsley M.

Budleigh Salterton (?)

Cyanotrichite

Dev

including

S. Grebor (CO_3-cyano-)

"Danaite" (= cobaltan-arsenopyrite) Devon

Belstone M.

Danburite — Devon

Ramsley M (?) [AWGK]
Meldon BR quarry
Meldon old aplite quarry (?) [AWGK]

Datolite

Dev

(Hay Tor- pseudomorphs after)
Meldon
Ramsley M (?)[AWGK]
South Brent

Digenite Dev

Budleigh Salterton
Bampfylde M

Diopside

DV

Meldon

Red-a-Ven Brook M

Ramsley M

Djurleite Dcv

Budleigh Salterton

Dolomite

Dev

Beeralston Ms
Bully Cleaves Q
Chudleigh
S. Hooe M
Tunsham
Holcombe
Wh Friendship
Hope's Nose
Ivy Tor M (Ferroan)
Silverbrook M. (?)

Dufrenoke

Der

E. Wh. Russell

Dumonkierick

Dev

Sticklepath (?) (AWGK) (V. doubtful)
[Ford Farm Q]

Elbarte

Dev

Meldon

Epidote

Devon

Virtuous Lady M C?)
New England quarry

Erythrite

Dev

Brookwood M
Huckworthy Bridge
Wellsworthy M
Wh Friendship
Buddleigh Salterton (ery-annab)
Combe Cu lode (?)
N. Devon Ltd M.

Eucairite

Devon

Hope's Nose

Endidymke

Da

Meldon (doubtful - AWGK)

Felspar, unspec. Dev

Birch Tor & Vitifer M

Bovey Tracey

Meldon

Merrivale Q

Welstor Cross Q

Ferberite

Devon

See Wolframite

Fersmite

Devon

Meldon

Fischesserite

Devon

Hope's Nose

Fluorite

Dev

Bedford Utd Ms
Beeralston Ms
Old Wh Betsy
Birch Ellers M
Exmouth M
Wh Franco
Frankmills M
Frementor
Wh Friendship
N. Hooe M
S. Hooe M
Ivybridge Consols M
Meldon
Red-a-Ven Brook M
Tamar Ms
Tamar Consols M.
E. Tamar M
S. Tamar M
Tamar Valley M
Tavistock

F

Trowlesworthy Tor

Virtuous Lady M

Devon Gt Consols M

Ding Dong M

Crowndale M

Lockridge M

Ward M

Devon & Courtney M

Devon Wh Union

S. Devon Utd M.

Mettivale granite Q

Wh Emma (? Emily)
(Dev. Gt. Consols,
Tavistock Hamlets)

Wh Clumpston
(Huntingdon Warren)
- quartz pseudos

(Ringleshutes M -
chalcedony epimorphs)

Brookwood & / or Emma M's

Combe Cu lode (?)

"Francolite" (CO_3-apatite) Da

Devon Gt Consols M (Anna Maria)
Wh Franco
George & Charlotte M (?)
Tavistock Canal Tunnel
Russell United M
Wh. Crebor
Lady Bertha M
S. Bedford (see E Gunnislake)
Tavy Consols

Francolite

Dev.

E. Wh. Russell

Ding Dong M.

Galena, "lead ore" (I)

Dev

Aller M
Ann M
Beeralston M's
Bennah M
Old Wh Betsy
S. Wh Betsy (Pb ore)
Birch Ellers M
Bridford M
(Canonteign M - assumed)
Combe Martin

Concord M
Devon & Courtenay M
Wh Emily (?)
Exmouth M
S. Exmouth M
Wh Forest
Frankmills M
Wh Friendship
N. Exmouth M
N Wh Friendship
Wh Harris
Hennock

Galena (I)

N. Hooe M
S. Hooe M
Ivybridge Consols M
Knap Down M
Landkey
Lawrence M
Lockridge M (Pb ore)
Lopez M.
W. Maria e Fortescue M
Newton St. Cyres
Queen of Tamar M
Red-a-Ken Brook M
Reed M
Shallowford M
Tamar M's
Tamar Consols M
E. Tamar M
S. Tamar M
Tamar Valley M
Ward M (Sn ore)

Galena, "lead ore" (II) Devon

Devon Gt United M
N Fortescue M
Capunda M
Wh Carpenter
Collacombe M
Wh Conquer
Colcharton M
Wh Crebor
Tavistock Canal Tunnel
Bedford Consols M

Tavy Consols
Barnstaple
Berry M (Pb)
Brushford M (Pb)
Buzzacott M (Pb)
W. Challacombe M (Pb)
Combmartin Consols (Pb)
E. Combe M (Pb)
Court Barton (Pb)
Girt Vale M (Pb)
Hannaford
Hupplestone M (Pb)

Galena (II)

Hurscott M (Pb)
Mare Top M (Pb)
Martinhoe Common (Pb)(?)
Mockham Down (Pb)
Newbury (Pb)
Parracombe M (Pb)
Pickard's Down
South Molton M
Upcott M
Watermouth M's (Pb)
Yarnscombe
Yetland M (Pb)
Bottle Hill M (Pb)
Bottington Consols M
Whitleigh M (Pb)
Wh. Creake (Pb)
Gt. W. Sortridge M
Sortridge Consols
Wh. George
N Wh. Robert (Pb)
E. Wh. Robert (Pb)
Lopwell M
Maristow M

Galena, "lead ore" (III) Devon

Whitleigh M.
Lopez M.
Walkham & Poldice M
S.Wh Friendship
Battishill Down
Florence M, Lydford (Pb)
Lydford Consols M (Pb)
Gooseford M (Pb) (?)
Silverbrook M
Brookwood e/or Emma M's

Brixham
Lockridge M.

Garnet, unspec. Devon

Belstone M
Brent Tor
Copper Hill
Dartmoor
Wh. Forest
Fursdon M
Haytor
Ivy Tor M
Lustleigh
Meldon
Ramsley M
Red-a-Ven Brook M
South Brent

Goethite (G) "limonite" (L) etc. (I) Dev

(L = "limonite" BH = "brownhaem" O = ochre U = umber)

Atlas M (limonite; BH)
Bampfylde M (G)
Bedford Utd Ms (G; limon)
Belstone M (L)
Old Wh Betsy (L)
Bratton Fleming (L)
Buckfastleigh (L)
Buckland Brewer (L)
Combe Martin (umber, ochre)
S. Wh. Gebor (ochreous gozzan)
Devon & Cornwall M
East Down (L, umber, ochre)
Exmoor (G, L)
S. Exmoor M (L)
Five Acre M (L)
Frankmills M (L)
Georgeham (L)
Gymton M (L)
Hatherley M (L)
Hemerdon (L)
Parkins M (L)

Goath, Lim etc

Wh. Prosper (L) Brixham.
Wh. Robert (L)
Sharpham M (L)
Shaugh M (L)
Smallacombe M (L)
Torbay M (L)
Vivcham (L, Umb, Ochr)
Ding Dong M (G)
Russell Utd M (L)
Bedford Consols M (ochre)

Barton Pits (G, L)
Britannia & Prince Regent M (G)
Crockbarn M (G, L)
East Down M (Umber, Ochre)
Haxton M (L)
Marcia M (L)
Shirwell (Ochre)
Spreacombe (L)
Stowford M (L)
Yennadon (L, incl botry.)
Wh Hunt (?) ("gozzan")
Walkham & Poldice M (L)

Goethite, etc. (II) Devon

Chillaton & Hogston M (ochre)
Whitstone M (ochre)
Little Duke M } ("hydroxides of iron")
William & Mary M's
Hope's Nose ("limonite") (goethite)
Brixham (BH, O)
Buckfastleigh (BH)
Chivelstone (BH)
Haxon Down (BH)
Hook Hill (BH)

Shaugh M (BH)
Wolborough (BH)
Neomie M (BH)
Ugborough M (BH?)
Yealmpton M (BH)
West Brixham M's (BH ?)
Lady Elizabeth M (O)
Five Acre, Kingsb'ge (BH)
Dewerstone Wood (BH)
Stoke Gabriel M (BH)

Gooth etc (II)

Brixham

(New) Florence M.

Gold

Bampfylde M
Birch Tor & Vitifer M
Bilkeford Down
Brittania & Prince Regent M
N. Hessary Tor
Hope's Nose (incl. palladian & argentian)
North Molton
Poltimore M
Sheepstor
Torquay

Dev

Vixen Tor
Welstor Cross Q
Crowbarn M
Devon gr Consols M (trace)
Daddy Hole
South Hams
Crediton Trough

graphite

Devon

Meldon (??)

Grossular

Da

Belstone M

Meldon

Ramsley M

Gypsum

Dev

Ramsley M
Sidmouth
Budleigh Salterton (?)

Haematite (I)

Devon

Bampfylde M
Bideford
Bushdown M
Birch Tor & Vitifer M
Bittleford Down
Bovey Tracey
Bratton Fleming
Brixham
Buckfastleigh
Buckland Brewer
Bully Cleaves Q
Chudleigh
Combe Martin
Dartmoor
East Down
Exmoor
Five Acre M
Georgeham
Great Rock M
Great Week M
Gymton M
Hankmeals M
Haytor

Haem

Hennock
Ilfracombe
Kelly M
Lustleigh
Newton St. Cyres
Parkins M
Wh. Prosper, Brixham
Salterh Cove
Sharpham M
Smallacombe M
Torbay M
W.Wh. Friendship.
Rattlebrook M
Torquay
Viveham
West Down
Banton Pits
Britannia Prince Regent M
Florence M, N. Molton
North Devon Iron Mines
Spreacombe
Stowford M
Westleigh
Kit M
Wh. Mary Emma, Lydford

Haematite (II)

Devon

Golden Dagger M
St Eleanor M
Headland M
E. Vitifer M (?)
Waterhill M
Bowden Hill
Moorwood M
Hatterley M (?)
Hawkmoor M
Lapboyd Down
Plumley M
Shaptor M
Shuttamoor M
Wray M
Little Duke M
Hope's Nose
Haxon Down M

Halloysite

Dev

See also "Lithomarge"

Hastingsite (amphib) Devon

Haytor

Hedenbergite

Red-a-Ken Brook M

Meldon

Red

Helvine

Da

Red-a-Ken Brook M

Hemimorphite

Dev

S. Tamar M (?)

Herdente

Devon

Meldon

Heulandite

Dev

Wh. Forest
Ramsley M

Hollandite — Devon

Coryton M (Hollandite group mineral ID)
Allerford M. (H. group, IR)

Hornblende

Dev

Bittleford Down
Bovey Tracey
Dartmoor
Haytor
Lundy Is.
Meldon
Stickle path

Huemulite — Devon

$Na_4 Mg V_{10} O_{24} \cdot 24 H_2O$

Budleigh Salterton

Hydromus coxale

Devon

Virtuous Lady M (?)

Hydrozincite Dev

Budleigh Salterton Cnear [BM x RD])

Idocrase

Dev

Meldon
Red-a-Ven Brook M

Ilmenite

Dev

Bittleford Down
Virtuous Lady M
Baggator

Iron minerals, unspecified. Devon

Shirwell
Bradbury M
Buckland
Challacombe M
W. Challacombe M
Countesbury M
Foreland Point
Girt Down M
Holdstone Down M
Plaistow M
Poltimore M
Roe M
Shirwell Ford M.
Stockland M
West Down M West Down
Brent Tor (?)
Brixham
Buckfastleigh
Churston M
Broadsands M

Fe (unspecif)

Portlemouth Consols M

Ilsington

Ipplepen M

Harbour Ford M

Dictor's Island M

Goodrington M

Gymton M

Salcombe M

Brent M

Barton M.

Isomertieite $(Pd_8(As,Sb)_3)$ Dev

Hope's Nose

Jamesonite

Dav

Shallowford M (??)
Wh Harris

Kankite

Devon

Kingswood M.

Kaolinite
See also "Lithomarge"

Plympton
Hemerdon
Upton Pyne
Little Duke M.

Klockmannite

Devon

Hope's Nose

Langite

Devon

Ding Dong M

Bedford Utd M's.

Bamptylde M

Lavendula an Dev

Budleigh Salterton

Lepidolite

Meldon

Dev

Libethenke

Devon

Bampfylde M

E. Gunnislake M

"Limonite"
See Goethite

Dev

Linaude

Dov

Canonteign M
Exmouth M
Frankmills M

Li – micas

Devon

Meldon

"Lithomarge" Dev.

[= Halloysite. or kaolinite, q.v.]

Bovey Tracey
Bromley M

Dev

Lölling ite

Bedford Utd Ms

Belstone M

Huckworthy Bridge (Co-iferous)

Meldon

Red-a-Ven Brook M

Ivy Tor M. (?)

Magnetite

Dev

Buckland-in-the-Moor
Bulkamore M
Hatherley M
Haytor
Ilsington
Lundy Is.
Smallacombe M
Stoneslade Tor

Malachite

Dev

Bampfylde M
Bedford Utd Ms
Brixham (?)
Buckfastleigh
Combe Martin
Hennock
E. Tamar M
E. Gunnislake & S Bedford M/s (?)
("Cu carbonate stains)
Colcharton M (?) ("Cu carbonate stains")
Ding Dong M (?) ("Carbonate")

Budleigh Salterton
Ding Dong M.
Hope's Nose

Malayaite

Dev

Red-a-Ven Brook M

Manganese mins, unspec. Dev

Aberford M.
Fullabrook M
Riley M
Scarnicliff M
Week Mn M.
Wh. Comfort
Cott Qy M
Crowbarn M.
Wh. Fortescue
Mill Wood
Orestone M
Rose M
Snow Ball Hill
Huckworthy Bridge.
Coryton M
Edgcumbe M
Lifton M
Woolaton M
Ramsdown M

Mn, unspec

Little Duke M
William Mary M

Manganese

Dev

Chillaton & Hogston M

Upton Pyne M

Newton St. Cyres

Manganocolumbite Devon

Meldon

Manganotantalite

Meldon

Devon

Marcaste

Dev

Combe Martin
Crowndale M
Ivy Tor M
Tamar Ms
Tamar Consols M
Tavistock
Virtuous Lady M
Hope's Nose
Meldon

Marialite

Da

Meldon

Manchenite Dev

Budleigh Salterton

Melanterite Dev

Budleigh Salterton (??)

Meneghinite Dev

Shallowford M

Mertieite II (Pd_8Sb_3) Devon

Hopes' Nose

Meta-ankoleite Dev

Merrivale Q

Meta-tyuyamunite

Dev

Budleigh Salterton (?)

Mica, unspec Dev

Bovey Tracey
Hemerdon
Meldon
Merrivale Q
Budleigh Salterton (Vanadian)
Birch Tor e Vitifer M

Microcline

Devon

Meldon

Microlite
Meldon

Devon

Milarite

Dev

Meldon

Millerite

Dev

Combe Martin

Ilfracombe

Wh Emma (Emily?) Tavistock Hamlets (?)

Brixham

Brookwood M.

Mimetite Dev

Beeralston Ms

Mixite Devon

Bedford Utd. M

Moddenite [Co arsenide] Dev

Budleigh Salterton (?)

Molybdenite

Dev

Billeford Down
Wh Friendship
Ding Dong M
Meldon

Monazite

Devon

Baggator

Montebrasite

Dev

Meldon

Montmorillonite

Da

Meldon

Montrose Ave Dev

Budleigh Salterton (?)

Muscovite

Da

Hemerdon(?)
Lee Moor
Hope's Nose
Brixham

Brookwood Moor
Combe Cu lode

Meldon

Naumannite

Devon

Hope's Nose

Niccolite

Dav

Black Down
Budleigh Salterton

"Nivaite" (= phurcalite) q.v.

Dev

(Merrivale Q)

Nontronite ("chloropal") Dev

Haytor

Budleigh Salterton

Oligoclase

Bittleford Down

Dev

Olivenite

Redford Utd Ms

E. Gunnislake M

Hemerdon

Dev

Oosterboschite Devon

Hope's Nose ("a phase similar to")

Opal

Dev

Belstone M ("Semi-opal")
Hayton
Lustleigh
Okehampton

Orpiment

Devon

Goosford M. (?)

Orthoclase

Da

Bittleford Down

Bovey Tracey

Budleigh Salterton

Dawlish ("Murchisonite")

Haytor

Heavitree (incl. "Murchisonite")

Ivybridge

Lundy Is.

Trowlesworthy Tor

Vixen Tor

Hedgemoor Fm.

Meldon

Osarizawaite

Devon

Exmouth M (?)

Rabstite

Devon

Red-a-Ven Mine (?)

Palygorskite

Da

Meldon (?) ("Mountain Leather")

Parkerite $Ni_3(Bi,Pb)_2S_2$ Devon

N. Devon U'td M.

Patnamite

Devon

Bedford United Ms (?)

Pascoite

Dev

Budleigh Salterton (?)

Penroseite

Devon

Hope's Nose

Petalite

Dev

Meldon

Pharmacoxidende

Dec

Bedford Utd Ms
Hemerdon
Ding Dong M

Phaunouxite — Devon

Ivy Tor M.

Phosphuranylite

Merrivale Q (?)

Da

Phurcalite

Dev

Merrivale Q

Plagioclase, unspec

Rev

Bittleford Down

Brookwood e/or Emma Mbs

Pollucite

Meldon

Del

Potarite (PdHg) Devon

South Hams

Prehnite

Da

Meldon
E. Wh. Russell

Pseudomalachius Rev

Bampfylde M

E. Gunnislake M

Psilomelane

Dev

Alliford M
Ashton M
Bideford
Black Down
Brent Tor
Buckland Brewer
Cardwell M
Chillaton & Hogstor M
Chudleigh
Dippertown M
East Down
Georgeham
Heale M
Wh Henry
Lew Wood M
Lifton M's
Newton St. Cyres
Orleigh Court
Tavistock
Upton Pyne M
Viveham
West Down

Rs Comel

Spreacomb

Pyrite (I)

Dev

Anna Maria M Dunsford
Bedford Utd M's
Beetalston Ms
Belstone M
Bennah M
Bickington
Bishop's Tawton
Bittleford Down
Bridford M
Bulkamore M
Chudleigh
Combe Martin
S. Wh. Crebor
Devon gr Consols M
Wh Franco
Wh Friendship
George & Charlotte M
Great Rock M
Great Week M
Lawrence M
Meldon

Pyrite

Horsebridge
Wh. Robert
Shallowford M
S. Tamar M
Tavistock
Virtuous Lady M
Viveham
Yarner M
Wh Emma, Tavistock
W Maria & Fortescue M
Devon Gt United M
W. Devon Consols
Capunda M
Wh Carpenter
E. Collacombe M
Collacombe M
Wh grace
Devon M
Wh Conquer
Catsbridge M
Luscombe M
Colcharton M
Ding Dong M

Pyrite (II)

Devon

W. Wh. Crebor
Wh Crebor
Crowndale M
Tavistock Canal Tunnel
Devon & Cornw. Utd.
William & Mary M
Gawton M
Bedford Consols
Little Duke M
Sidney M

Tavy Consols
Morwellham Reef (?)
(Cu & Fe sulphides")
Alvington
Wh. Fortescue
Upcott M
Tamar Valley M
E. Tamar M.
Loughtor
Bottle Hill M
Bottington Consols M

Pyrite

Shaugh M
Sortridge & Bedford M
Devon & Courtenay M
Gt. W. Sortridge M
Anderton Ms
Rixhill M
Surprise M
Walkham Utd M
W. Sortridge Consols
Sortridge Consols
N Wh Robert
E Wh Robert

Walkhampton Consols
Furzehill M, Walkhampton
E. Bertha M
Buller & Bertha M
S. Lady Bertha M
N. Roborough Down M
Wh. Hunt
Whitleigh M
Bottle Hill M
Lopez M
Walkham & Poldice M
W. Wh Friendship

Pyrite (III)

Devon

Gibbet Hill
Battishill Down
Wh. Jewell
Birch Tor e Vitifer M.
Wh. Harris
Hope's Nose
Silverbrook M
Brookwood e/or Emma M's.
Brixham

Peak Hill
Lockridge M

Pyrolusite, Wad (W) Rev

Alliford M
Ashton M
Black Down
Brent Tor
Cardwell M
Chillaton & Hogstor M
Dippertown M
Fullabrook M (?)
Georgeham
Hare Hill M (+W)
Heale M
Wh Henry
Lew Wood M
Lifton M's
Tavistock
Upton Pyne M (+W)
Vivehan
Haxton M (?) ("black oxide of Mn")
Spreacombe (W)

Pyrolus, wad.

Tuckers Moor ("Mn oxide")
Sydenham & Lee Wood M ("Black Mn oxide")
West of England M ("Mn oxide")
Cardwell M ("Black oxide")
Bowden Common M ("Black Mn oxide")
Monkstone M ("Mn oxide one")
Quither M ("Black Mn oxides")
Whitstone M.
Budleigh Salterton (?)
Week M
West Down M

Pyromorphite

Beeralston Ms

Frankmills M.

Gooseford M (?)

Dev.

Pyrrhotite Dev

Beeralston Ms
Bilkleford Devon
Meldon
Red-a-Ven Brook M
Budleigh Salterton (BM, xRD)

Quantz (I)

Dev

Anna Maria M, Dunsford
Bampfylde M
Bedford Utd Ms
Beerhalston Ms
Belstone M
Old Wh Betsy
Birch Tor e Vitifer M
Bittleford Down
Bovey Tracey
Bridford M
Canonteign M
Combe Martin
Wh. Crebor
W. Wh. Crebor
S. Wh. Crebor
Devon Gt. Consols M.
Exmouth M
S. Exmouth M
Frankmills M
Frementor
Wh. Friendship
George e Charlotte M
Gidleigh

Qtz

Qt Week M
Henerédon
N. Hessary Tor
N. Hooe M
S. Hooe M
Knap Down M
Knowle Q ("colleite")
Lawrence M
Lopez M
Lundy Is
Meldon
Merrivale Q
Newton St. Cyres
North Bovey
Okehampton (Rock xl, amoth)
Pigeon House Q (Amoth)
Reed M
Wh. Robert
Shallowford M
Tamar Ms
Tamar Consols M
E. Tamar M
S. Tamar M.

Quartz (II)

Dev

Tavistock
Torquay
Trowlesworthy Tor
Virtuous Lady M
Welstor Cross Q
Wh Fanny
Horsebridge
New Devon Consols M
W. Devon Consols M

Capunda M
Wh Carpenter
Collacombe M
Wh Grace
Devon M
Wh Conquer
Catsbridge M
E Gunnislake & Bedford M
Luscombe M
Colcharton M
Ding Dong M

Qtz (II)

Crowndale M
Tavistock Canal Tunnel.
N. Impham M
Russell Utd M
E. Wh. Russell.
Devon & Cornw. Utd
William & Mary M
Bedford Consols M
Little Duke M
Tavy Consols
Motwellham Reef
Barton Pit

Brenley M
Britannia & Prince Regent M
Crowbarn M
Florence M, N. Molton
Wh. Fortescue
Gourt M
Haxton M
Hedgemoor Fm
Stowford M
Tuckers Moor
Upcott M
Lockridge M

Quartz (III)

Ward M
Loughtor Q
Hemerdon Consols M
Wh Mary Hutchings
Bottle Hill M
Florence M, Plympton
Sidney M
Borrington Consols
Shaugh M
Rixhill M

Devon

Walkham Utd M
W Sontridge Consols
Sontridge Consols
Wh George
Huckworthy Bridge
Walkhampton Cons
Firzehill M, Walkh'ton
E Bertha M
Buller & Bertha M
S Lady Bertha M
N Roborough Down M
Lopwell M
Yeolland Consols M

Qtz III

Roborough Down
Yennadon
Kit M.
Wh. Mary Emma, Lydford
Westdown M, Whitchurch
Lopez M
Eylesbarrow M (Amethyst)
Walkham & Poldice M
Devon & Courtenay M
Gt W Southridge M
Anderton Ms

Upton Pyne
Devon Wh. Union
S. Wh Friendship
Gibber Hill
Central Devon Utd M
N Dev Utd M
S Dev Utd M
Wellsworthy M (incl ameth)
Battishill Down
Wh Jewell
Bowden Common M
Monkstone M
Quither M
Whitstone M

Quartz (IV)

Devon

Golden Dagger M
Gt Eleanor M
Headland M
E. Vtifer M (?)
Kelly M
Mootwood M
Bowden Hill
Wh Harris
Hope's Nose
Wh Cumpston

Huntingdon Warren
(ps. after fluorite)
Hobhouse Q
Gooseford M
Silverbrook M
New England Q.
Brookwood s/or Emma Mb
Brixham
Gymton M
Christow

Rammelsbergite

Dev

Buddleigh Salterton

Rashleighite Dev

E. Wh. Russell

Raventhalite Dev.

Ivy Tor mine

Realgar

Devon

gooseford M (?)
Devon gt. Consols (slag??)

Rhodizite

Rov

Meldon [AWGK — so doubtful]

Rhodochrosite

Dev

Bovey Tracey

Upton Pyne

Allerford M

Chillaton & Hogator M

Sydenham and Lee Wood mine.

Lew Wood M

Chillaton

Ashton M

Rhodonite

Devon

Black Down (?)
Chillaton & Hogstor M (?)
Haytor
Meldon
Milton Abbot
Upton Pyne M (?)
Week Mn M
Allerford M
Sydenham & Lee Wood M
Monkstone M ("Mn silicate ore")

Westcott M

Rockbridgeite

Dev

E. Wh. Russell (AWGK. Discredited)

Rosasite

Dev

E. Tamar M (??)

Roscoelite Dev

Budleigh Salterton

Sabugalite

Da

Kingswood M ("sab. group")

Sarmientite Devon

Ding Dong mine (??)

Scheelite

Dev

Belstone M
Ford M
Wh. Forest
Wh Friendship
Ivy Tor M
Meldon
Ramsley M
Red-a-Ven Brook M
Tavistock
Ding Dong M

N. Devon Utd. M
Hemerdon

Schorlite, Tourmaline Dev

See also Tourmaline

Birch Tor & Vitifer M

Bovey Tracey (assumed!)

Chagford

Chudleigh.

Lundy Is.

Merrivale Q

Okehampton

New Vitifer Consols

Hedgemoor Tm.

Meldon ("schorl") (?)

Bridford (Hedgemoor)

Scorodite

Dav

Belstone M

Hemerdon

Virtuous Lady M

Russell Utd M

Bedford Consols M

Bedford United M.

Semseyite

Dev

Wh. Emily

Siderite (I)

Dev

Bedford Utd Ms
Beeralston Ms
Old Wh Betsy
Buckamore M
Bully Cleaves Combe Martin
Wh Crebor
S. Wh. Crebor
Devon gr. Consols
Wh. Emily
Exmoor
S. Exmoor M
Wh. Franco
Frankmills M
Wh Friendship
George & Charlotte M
Hayter
Knap Down M
Plympton
Shallowford M
Shaugh M
Virtuous Lady M
Wh. Crebor

Sidenote
Brookwood s/or Emma M's.
Russell Utd M.
Gawton M
Tavy Consols
Tavistock Canal Tunnel
Bremley M
Brittania e Prince Regent M
Florence M, N. Molton
Gount M
North Devon Iron M's
South Molton M

Wh Josiah
Bottle Hill M
gt W Sortridge M
Sortridge Consols
Wh George
Walkhampton Cons.
E. Bertha M
Buller e Bertha M
Yennadon (?)
Devon e Courtenay M
Anderton M's
Battishill Down
Dr Anna Maria

Sidenote (II) Dev

Brixham
Bampfylde M
Huckworthy Bridge

Silver, native

Da

Comke Martin
Willsworthy M
Budleigh Salterton

[Wk Florence – see AKHS Devon
Lydford; SX 514 847]

"Silver, Ruby" Devon

= Proustite or Pyrargyrite

Florence M, Lydford

Smaltite

Dev

Willsworthy M ("grey Co","Arsenical Co")

Spessartine

Meldon

Devon

Sphalerite, Zn ore (I) Dev

Beer alston Ms
Old Wh Betsy
Birch Ellers M
Bridford M
Callacombe M
Combe Martin
S. Wh Crebor
Exmouth M
Frankmills M
Wh Friendship
Hennock

N. Hooe M
Landkey
Lawrence M
Lopez M
Ivybridge Consols M
Meldon
Newton St. Cyres
Red-a-Ven Brook M
Reed M
Shallowford M
Tamar Ms

Sphalerite

Tamar Consols M
E. Tamar M
S. Tamar M
New Devon Consols Sh
W Devon Consols
Capunda M
Wh Carpenter
Wh Grace
Devon M
Wh Conquer
Catsbridge M

Wh Harris
Wh. Fortescue
South Molton M
Lockridge M
Ward M
Bottington Consols M
Sontridge Consols M
Lopwell M
Lopez M
Walkham & Poldice M
Westdown M, Whitchich
S Wh. Friendship
N. Wh. Betsy (2nd one)
William & Mary M (?)

Sphalerite (II) Devon

Crownley Parks M.
Silverbrook M.
Brixham
Brookwood M OR
Combe Culode
Peak Hill

Spodumene

Dev

Meldon

Stibiconite

Devon

Meldon

Stibnite

Dev

Combe Martin
Devon & Cornwall Ltd
Shallowford M (??)

Sulphur, native Devon

William & Mary M.

Sulvanite Dev.

Budleigh Salterton (?).

Talmesite

Dev

Ivy Tor M

Tantalike

Meldon

Devon

Tennantite

Devon

Lockeridge M. (Zn-)

Tenorite Dev

Buddingh Satterton (?? "melaconite")

Tephroite Devon

Chillaton

Tetrahedrite, "Fahlerz" Da

Beeralston Ms
Bridford M
Brittania & Prince Regent M
Combe Martin
Molland M
Shallowford M
Bremley M
Gourt M
Brookwood &/or Emma Ms
Frankmills M (?)

Lockridge M (Ag, Zn)

Tiemannite

Hope's Nose

Devon

(Sphene) Titanite

Dev

Bickleford Down
Virtuous Lady M
N. Devon Utd M

Topaz

Dev

Lundy Is.
Meldon

Torbernite (incl. m-) Dev

Bedford Utd Mls.

Hemerdon (?)

Tourmaline, inspec Rev
See also elbaite, schorlite

Bittleford Down
Bovey Tracey
Dartmoor
Great Week M
Great Rock M
Haytor
Hemerdon
Lundy Is
Meldon
North Bovey
Trowlesworthy Tor
Welstor Cross Q
Ding Dong M
Wh. Mary Hutchings
Bottle Hill M
Florence M, Plympton
Devon Burra Burra
Walkham Utd M

Tourm.

W. Sortridge Consols
Wh. George
Furzehill M, Walkh'ton
Yeoland Consols
Yennadon
Wh. Mary Emma, Lydford.
Westdown M, Whitch'ch.
Rattlebrook M
Birch Tor & Vitifer M
Golden Dagger M

Gt Eleanor M
Headland M
E. Vitifer M (?)
Kelly M
Bowden Hill
N. Devon Utd M.
Brookwood &/or Emma M's

Tremolite

Dov

See also "asbestos"

Meldon

Trustedtite

Devon

Hope's Nose

Tungstite

Dev

Hemerdon (?)

Tyrrellite

Devon

Hope's Nose

Tyrolite Devon

Brookwood M OR
Combe Cu Lode.

Tyuyamunite Dev

Budleigh Salterton (?)

Umangite

Hope's Nose

Devon

Uraninite

Da

Kingswood M
Budleigh Salterton (?)

Uranium min., Unspec. Dev.

Kingswood M
Meldon
Fingle Bridge
Lutton
Marcham's Cross
Budleigh Salterton

Uvarovite

Meldon

Da

Variscite

Dev

High Down Q
Pitts Cleave Q

Verbeekite $PbSe_2$ Devon

Hope's Nose

Vesigneite Dev

Budleigh Salterton (?)

Vivianite

Old Wh Betsy

Pa

Volborthite

Dev.

Budleigh Salterton.

Wavellite

Dev

"Barnstaple"

"Filleigh"

High Devon Q

(Near) Silverbrook M. (?).

Waylandite Devon

Hemerdon

Wolframite

Da

Bedford Utd Ms
Frementor
Wh Friendship
Nemerdon (=Ferberite)
Tavistock
Watsons Mine
Devon Gt. Consols
E. Gunnislake & S Bedford
Ding Dong M
N. Impham M

Gawton M
Tamar Valley Alluvials
Florence M, Plympton
W. Sortridge Cons.
Roborough Down
Eylesbarrow M

Wollastompe

Da

Meldon
Red-a-Ven Brook M

Woodwardite Devon

Brookwood e/or Emma M's.

Wrewolfeite

Devon

Wh Friendship

E. Gunnislake M

Wurtzite Dev.

South Molton mine
Tavistock
Lockridge M

Zeunerite (meta-?) Devon

Budleigh Salterton

Zircon

Dev

Bittleford Down
Baggator

Unident minerals — Devon

High Down Q (Blue Al PO_4)

S. Wh. Crebor (Cu Ca OH sulphate)
on 76-207 only

Budleigh Salterton (Mg-K-Vanadate, orange)

Hope's Nose ($PbSe_2$; $Hg_2Pd_2Se_3$; a Pd-As-Sb)
↳ = verbeekite, qv.

1" 163 SS SS 4226

ABBOTSHAM, Barnstaple, N. Devon N. 10

JC (1871) 70 Anthracite.

ABERFORD 1" 175 MINE, Marystow, Devon. 6" 87 SW (1907) SX 4 R 63

AR, MM (1946) Mn (? Allerford)

1" 176

8383

Wh. ADAM or ADAMS, Christow, Devon

See also EXMOUTH MINE

Dines (1956) 745 Wh. Adams worked 1810–1874, united with EXMOUTH MINE ?1853

1" 176

ALLER MINE, Teign Valley

SX 83 4 83 9 S 14

See also TEIGN VALLEY(ies) REED MINE

Ramsden, MM 27, 75, (1945) Pb mine, 1879

Dines (1956) 745. No records of output etc.
Dumps have traces galena in black shale.
ENGINE Sh 200 yds W by S of ~~ALLER~~ Aller cottages
DEEP ADIT starts 80 yds ESE from Engine Sh., driven WNW, cuts 4 veins. SHALLOW ADIT starts 70 yds SW of Engine sh., driven W in barren ground.
OLD ENGINE Sh. 140 yds ESE of Engine Sh., probably part of REED MINE (qv). ORCHARD Sh. 200 yds N of Engine Sh. 3 other shafts N of Engine Sh. Country rock is Culm measures killas.

1" 175 SX 430 850-424 853

ALLERFORD MINE, Marystow, S Devon S 53

JC (1871) 66. (Mn, working) Psilomelane; pyrolusite.
"ALLIFORD MINE".

~~Arden~~ DIPPERTOWN M:- Pyrolusite; psilomelane

Dines (1956) 713-4. ALLERFORD = DIPPERTOWN M.
Mn ore in chert beds, workings now almost obliterated, for nearly 700 yds from 150 yd N of Dippertown Fm, NW to Allerford Fm Shafts; adits eg deep adit SE from 50 yd SE of Allerford Fm.
Pyrolusite, rhodonite, rhodochrosite
Output for 1867-8 included in CHILLATON & HOGSTOR

BVC spec → RSWB 6/81 Black botry = hollandite group (IR) ✓

1" 163 or 174? SS 40 22 ??

ALWINGTON, Devon

See also PORTLEDGE MINE

Dines (1956) 760 Copper trial 4mi SW of Bideford – precise position unknown – gave only pyrite, according to Vancouver (1808, p 55).

PF Claughton, Plym MMCJ (1973) 4 [1] 4. Unsucc. Cu trial, 1808.

Wh. AMERY, Christow, Devon

See also EXMOUTH MINE

1" 187, 175 SX 485 723

ANDERTON MINES Whitchurch, Devon

See also RIXHILL MINE

O.S. 6in map: Sn mine (ANDERTON), SX 485 723.

Dines (1956) 692-3. OLD and NEW ANDERTON MINES, together termed TAVISTOCK UNITED MINE (1852-62); and with RIXHILL termed RIXHILL & ANDERTON.

NEW ANDERTON on higher slopes of Tiddy Brook valley. Lode E 15° N. Murray's Sh., 370 yd E of Rixhill Eng. Sh., Adit portal 246 yd E of the shaft. Brecciated killas

kerned with pyrite. Cassiterite.

OLD ANDERTON, on lower slopes of Tiddy Brook valley 100 yd S of New A. lode. Lode ≃ EW Adit below E side of Tavistock-Grenofen road 330 yd SE of Anderton Fm. Old Sh; Engine Sh. Kernstone is impregnated brecciated killas (capel) e quartz with pyrite; traces chalcopyrite; siderite; cassiterite on vanning.

Small dumps also 150 yd NW of Murray's Sh., also 400 yd E of Old A. Eng. Sh.

1" 176

SX 823 866

S 19

ANN MINE, Teign Valley

See also TEIGN VALLEY, BIRCH MINE.

Ramsden, MM. 27, 75, (1945). Pb mine, 1847.

1" 176 Dunsford. SX 80 6 88 4 S 22

ANNA MARIA MINE, Teign Valley.

See also TEIGN VALLEY, LAWRENCE MINE

MM (1945). Cu mine. 1850. [Ramsden MM 27, 75]

=DUNSFORD MINE

Dines (1956), 742. Started ca 1846-1847, worked together with LAWRENCE MINE for a short time after 1852. Said to have 4 E-W Cu lodes. A shaft sunk on a lode 250 yds SW of Dunsford Mills. Surface investigs. showed lodes with gozzan near surface & quartz with much pyrite below.

In Culm measures killas

1" 175, 187 SX 428 737

Wh. ANNA MARIA, Blandhdown Wood, Tavistock, Devon

Part of DEVON Gt. CONSOLS M.

Dines (1956) 657–8, Output – Cu ore, cassiterite, As-soot [: arsenopyrite]

B. Cooper, Priv. Comm. 2/79. Spec → RSIOB Childrenite on botryoidal siderite; found by Stephen Fairchild, 24/1/79

BV Cooper Priv Comm 6/79 Francolite (The "Devon Gt Consols" loc of 1969) [qv]

WHEAL ANNA MARIA nr Sydenham. K 38

Little map, 8.7

Wheal ANN, Mary Tavy, Devon

See S. Wh. FRIENDSHIP

1" 187 SX 7 6 7

ARUNDEL MINE, Ashburton, Devon. S 129

See VICTORIA (ARUNDEL) MINE (S 128)

1" 187 SX 75 69

ASHBURTON, Devon

Rudler (1905) 98 Calcite

PMMCJ (1975) 5 [3] 13 News of local opposition to proposals by Western Alluvials to opencast for tin in Ashburton, at KESTERBROOK, LEAT PARK, a site at W end of town.

1" 187 SX 7 6/7 S 120

ASHBURTON MINE, Ashburton, Devon

JC(1871) 69 Cassiterite

TMH(1868), 56. Cassiterite; chalcopyrite, in Devonian.

Fuller (1905) 98. Calcite from "Ashburton" [qv]

1" 187 SX 7 6/7

ASHBURTON CONSOLS, Ashburton, Devon. S 119

JC(1871),69. (Cu) Chalcopyrite

1" 187 SX

ASHBURTON UNITED MINE, Ashburton, Devon S 121

JC (1871) 69 (Sn, Cu) Cassiterite; chalcopyrite

1" 187 SX

WEST ASHBURTON MINE, Ashburton, Devon. S 122

JC(1871) 69 (Cu,Sn) Cassiterite; chalcopyrite.

1" 176 1" 176 SX 8 8

ASHTON MINE, Ashton, Devon.

At Higher Ashton

Dines (1956), 748. Overgrown surface workings & shafts in Culm meas. cherts & tuffs with greenstone intrusions. Abandoned ? 1875

Psilomelane & pyrolusite impregs & coatings.

Workings ca 500 yds N & 400 yds N of Higher Ashton Church; shaft 300 yds NE of Higher Barton, = WELLS HEAD GREAT PIT, and about 600 yds SW of Higher Ashton Church

BVC, spec's → RSOB 6/81. Brownish cream also greenish massive with brown rim, IR's = rhodochrosite

1" 175 SX 778 762? S 115

ATLAS MINE, Ilsington, Devon

JC(1871) 69 (Sn, Fe) Cassiterite; limonite

Dana 6th Ed ("Old") p.13. Nat. bismuth "in a large and rich vein at the Atlas mine, Devonshire".

AKHJ(1981) "Mines of Devon: N & E of Dartmoor", p138-9
At SX 778 762, adjacent to Lewthorne Cross, 600y E of Ilsington Church. 3 Sn + 2 Fe lodes. Adit + 3 shs. Eg White's Sh to White's lode (in private garden). Bi found 1860 "in a cross-cut driving towards White's lode" - found a new lode containing

bismuth. From the shise adet ore tram-ed to Middlecott Wood, a short dist. E, where stamps, calciners & chimney erected beside small stream. Cassiterite ("black tin"); goethite ("brown haematite")

1" 188 SX 9266 – 9270

BABBACOMBE BAY, Torquay, Devon. S 131

JC (1871) 69. Baryte; calcite; chalcedony var beekite.

TMH (1868) 60. Dev. Lim: Baryte; calcite

Rudler (1905) 95 Pink baryte in limestone, from Babbicombe

GeL (1858) Baryte, small tabular x/s with calcite
BABICOMBE

Crystal Vine Cat ('04) Baryte, calcite (w. inclusions)
PETIT TOR, Babbacombe

In 175 SX 5480

BAGGATOR, Peter Tavy, Devon

Dark blue booklet Ike has on D'moor mines

At BAGGATOR above Wapsworthy,
ilmenite, zircon, monazite.

cf BAGGA TOR; BAGGATOR FARM (548 808)

1" 187 SX 7 6

BAKERS PIT CAVERN, Buckfastleigh, Devon.

P. Smith. The Lyre (1960) 3, 47. Detailed descrip.
Morphology interesting

1" 163

SS 734 327 to 740 327

BAMPFYLDE MINE, North South Molton, Devon (I)

See also POLTIMORE; NEW BAMPFYLDE; STOWFORD M; CROWBARN M., BARTON PITS

Dines (1956) 761-2 = POLTIMORE & BAMPFYLDE MINES. 4ml NNE of South Molton. Cu & Fe in E-W deposits across R. Mole valley, 600 yds N of Heasley Mill.

Quartz; haematite (specular & micaceous); chalcopyrite, below standing water level, and malachite, azurite, chalcocite & bornite above. Gozzan carries gold

AWGK, Priv Comm. Pseudomal; mal; azur

G Mus, donation (1967) : F.J. Rottenburg : bornite

RSWB (8/66) 5 44. Dumps on E-W line across road. Best dumps on W side, going up to top of hill. Good malachite incl. sheaves of needles; haematite, specular & massive; good pseudomalachite [IR] on iron-stained quartz; goethite.

PFC, PMMCJ (1973) [1] 7 Shafts & adits at 737 327 on number of EW veins on either side of valley. Worked for Cu, late 17th Cent → ≈ 1778. Working 1840's: Worked for Cu & gold by POLTIMORE Cu & Au mining Co, 1852–55; Cu only 1856–64; by NEW BAMPFYLDE Cu Mining Co 1865 – ≈ 1872. For Cu – Bampfylde Cu mining

BAMPFYLDE MINE, North Molton, Devon (II)

company; 1883-1854 by North Molton Mining Co.; 1885-7 by North Devon Mining Co.

"Paddy" Thorman (6/86) specs → RSMB for testing, via BVC.

Aragonite (IR), colourless radiating sprays ≤ 2mm across, on "typical" ~~dark~~ shaly haematite with quartz veining; ~~another spec. has turquoise~~ 0.1 → 0.2 mm pale blue globular aggregates of thin, pointed xls ~~with~~ (IR), on "typical" ~~haematite matrix~~.

RSN(106), 48, 47.
micac-haem;

Ps'mal, mal, chalcocite,
langite.

BAMPFYLDE MINE, North Molton, Devon (III)

R. Soc N 23 (1992)

The following day, twelve members met at the Bampfylde Mine near North Molton. Once again, Peter pointed out various features of the site. The large spoil heaps yielded specimens of chalcopyrite, malachite, pseudomalachite and hematite.

It was a fascinating and enjoyable weekend.

Bampfylde Mine, N.Molton, Devon 12th July 1992

Only five members made the effort to visit this interesting site. Although rather deterred by the attentions of some voracious horseflies, specimens of malachite, pseudomalachite, micaceous hematite and libethenite were found. It was thought that a trip underground, if possible, would be very rewarding.

Bill Eliasson

BMSN (1989) 26, 3-4

Haem-stained matrix with mal, pseudomal, libethenite brochantite goethite, digenite.

BMSN (01) 52, 6. G.J. Deverell pres. to coll (2259) Siderite, medium brown lenticular xls w. haem.

1" 163 SS Nr 73 32?

NEW BAMPFYLDE MINE, N. Moulton, N. Devon. N.19

See also BAMPFYLDE MINE

JC (1871), 70 (Cu, wkg.) Chalcopyrite

PFC, PMMCJ (1973) [1] 7. NEW BAMPFYLDE COPPER MINING Co. worked BAMPFYLDE MINE from 1865 to about 1872.

1" 163 SS 5533

BARNSTAPLE, Devon.

See also PICKARD'S DOWN; MARE TOP M.

GeL (1858). Wavellite abundant in crevices in slate, near Barnstaple [AWOK = HIGH DOWN Q'y, qv]

Dines (1956) 759 On S side of SAUNTON DOWN, 1½ mi W by N of Barnstaple, strings of galena → 1" in cliffs. Not exploited. [ie ≈ 540 343 ?]

1" 175 ~ SX 740 818

BARRACOTT MINE, Manaton, Devon

Dines (1956) 724-5 Small mine, in granite, 1¼ ml S of N. Bovey. Surface workings on 2 intersecting tin lodes

SX

86 or 96?

BARTON MINE, Torquay, Devon

See also TORQUAY etc

J. Brooke Plym MMCJ (1975) 6 [3] 7-8

Iron mine, 1873. Output unknown

1" 163 SS 724320

BARTON PITS, North Molton, Devon

PFC, PMMCJ (1973)[1] 7. Opencasts for iron on N side of Bampfylde Hill. Ancient.

Dines (1956) 761 ½ mi E of Stowford M. 3 sets of opencasts en echelon; overgrown. Quartz, with comb structure; specular haematite; massive limonite & goethite.

1" 175 SX 51-52 86

BATTISHILL DOWN, Bridestowe, Devon

Dines (1956) 711 1 mi N by E of Lydford. Main Sh. 750 yd NE of Battishall Fm., with adit to NNE along lode from valley 120 yd S of Sh. 2-3' lode of brecc. killas, cement. by quartz & siderite with galena, pyrite. Other old sh's, now obliterated, E of rly, 600 yd E of main workings.

Output unknown.

Wheal BEDFORD, Tavistock Hamlets, Devon.

See VIRTUOUS LADY MINE

S. BEDFORD & E. GUNNISLAKE M, Tavistock, Devon

See E. GUNNISLAKE & S. BEDFORD M

1" 187 ≈ SX 45-46 68-69

BEDFORD CONSOLS MINE, Tavistock, S. Devon. S 62

See also BEDFORD UTD [redacted] (K 2); E. GUNNISLAKE & S. BEDFORD (S 69)

JC (1871) 67 (Cu, wkg). Chalcopyrite

Dines (1956) 678-9. On E extension of GAWTON MINE [qv] lodes :- Copper lode becomes Main Lode of Bed. Consols; Arsenic Lode becomes New South Lode. Main Lode. 2 adits – lower = Middle Adit (Shallow Adit of Gawton) portal on slopes 90 yd E of river just below 200' contour, is close to Fullerts Sh of Gawton. Shafts. Quartz, pyrite, ochre, traces galena, copper stains, (no arsenopy).
Shallow Adit portal on 400' contour 60 yds N by W of Whim Sh. Quartz, pyrite, arsenopyrite,
↳ 550 yds SSE of Newquay [≙ SX 45 & 69.]

some tin values (?); chlorite.

Another lode, Tin Lode, first prospected by pits ca 1915 later worked from Higher Gaverton Adit, on 400' contour 210 yds N by E of Whim Sh. [ie ≈ ??? If on 400' contour can't be N by E ?!]

Quartz, chlorite, scattered fine-grained pyrite & arsenopyrite; occas compar coarse xls of cassiterite. Scorodite (also said to be found on surface to E).

North Sh is 300 yd NE of Whim Sh., N of Tin Lode, but no records of it.

1" 175, 187 ~~See also VIRTUOUS LADY MINE~~ centre SX 440 725 K 2

BEDFORD UNITED MINES, Tavistock, Devon (I)

See also; PTO

Little map, 10

Near Gulworthy, "mundic & wolfram mine" – 2½" map!!

AWGK, RGSC(1952) Conichalcite $CuCa(AsO_4)OH$. grass green, little aggregated globules, assoc. w. Olivenite, small xtls, and Cornwallite, emerald green botryoidal.

Clinoclase. (also BM, radiating needles in limonite).

Rutley, 15th. Ed., p. 159, torbernite.

Min Abs. 12 570 : Idlingite.

JC(1871) 67 (Cu, wkg) Chalcopyrite; chalcotrichite; chalybite; clinoclase; cuprite; olivenite; pyrite; torbernite.

TMH (1868) 59. Ditto but not chalcopyrite

PTO

See also: E. GUNNISLAKE & S. BEDFORD (S 69); BEDFORD CONSOLS (S 62)

MM 32 1 (1959) Cornubite, green glassy botryoidal, with olivenite, malachite & cuprite.

Dunham F. (1952) 119. Worked 1844-1899 1906-1909. Lodes show 3 stages: near walls quartz with wolfram, cassiterite & some arsenopyrite; in centre, copper ores with quartz & chlorite, traversed by later fluorite with some siderite.

RSWB (S/65) 4 198. Upper Stumps, nr 441 726-7. Iron-stained killas, with decomp pyr; arsenopy. traces chalcopy.; quartz-gossan-siderite gossan. 1 spec pharmacos. green coats on killas

BEDFORD UNITED M'S, Tavistock, Devon (II)

Dines (1956) 664-666. 5 EW lodes, dip S.

North or Tavistock Lode:- Quartz, chlorite, siderite, fluorite, arsenopyrite, cassiterite.

Main Lode or Marquis. Quartz, wolframite, cassiterite, arsenopyrite, copper ores in quartz-chlorite-fluorite gangue. Fluorspar green, reddish-yellow, & white. Large xls of wolframite occur enclosed in white quartz. This lode may be E contin. of HAWKMOOR main lode.

Phillip's Lode:- Quartz, copper ore, wolframite, sporadic cassit.

Delve's Kitchen Lode:- Reputed high grade cassiterite

Bridge Lode:- Only lode S of Old main road.
Quartz-chlorite, arsenopyrite, chalcopyr, late siderite; chalcocite, cassiterite.

S. Harrison's Catal. (1985) - RSWB (85-265)
Superb langite, stellate-dendritic ψhex twins on gozzan. [Obv. from underground]



N Hubbard spec → RSWB (85-264) Clinodase w. olivenite on iron-stained killas

BEDFORD UNITED MINES, Tavistock, Devon (III)

Runs See Newsletter 20 (1990)

20th August 1989 Bedford United Mine, Gulworthy, Devon. Nine members attended this fairly lengthy underground trip, the third the branch has had to this location. Our guide, David Lloyd, had made access easier by some earlier preparatory work for which everyone was grateful. Intersecting the country rock of killas are 6 east-west striking southerly dipping lodes which crop out on the steep eastern slope of the Tamar Valley. They are known as North, Marquis, Phillip's, Delve's, Kitchen and Bridge and occupy a belt 600 yds wide, all except Bridge Lode lie north of the old road running eastward from Gunnislake New Bridge. All lodes are dissected by orthogonal, easterly dipping crosscourses. Recorded mine outputs date from 1845 to 1928. Access to the collecting area, the stopes above Marquis Lode adit, is via Middle adit Level, down a winze to a laddered shaft to deep adit level which runs on Marquis Lode to Engine Shaft. Minerals recorded from this location are: arsenopyrite, brochantite, cassiterite, clinoclase, native copper, cornubite, connellite, cornwallite, cuprite, chalcopyrite, chalcophyllite, langite, olivenite, pharmacosiderite, pyrite, quartz, scorodite, and wolframite. Of the above,, members managed to collect cornwallite, cuprite, clinoclase and olivenite and on this occasion, langite from a higher level within the main collecting stopes.

RSN (1999) 35, 14. Langite, some "rather spectacular" micro- connellite coll.
underground.

BEDFORD UNITED MINES, Tavistock, Devon (IV)

R. Soc N 23 (1992)

Bedford United Mine, Tavistock, Devon
18th August 1991

Eight members met and togged up on the track below middle adit. Prior roping and ladder fixing eased the journey down to deep adit level, which was sucessfully achieved by all members.

Collecting was divided between the langite area and the olivenite/clinoclase section. Everyone collected specimens from both these areas and several reasonable specimens of scorodite and pharmacosiderite with micro chalcophyllite were also collected.

The party emerged into bright, warm sunshine after over five hours underground, well satisfied with both the collecting and the entertainment of the trip itself.

Due to some indiscriminate collectors breaking the padlock at the adit gate, future access to the mine may be stopped for everyone by permanently sealing the entrance. This in undoubtedly one of the most interesting and enjoyable field trips on

D Lloyd

RSN 23 (1992)

Bedford United Mine, Tavistock, Devon
14th June 1992

This popular underground trip was well attended and no-one found too many problems in reaching the collecting area in a stope on Marquis lode. Although collecting is becoming more difficult with fewer good specimens turning up, everyone collected something, including specimens of olivenite and clinoclase. The brave ones who reached the langite area found specimens very few and far between, with the condition of this area of stoping getting far worse than on our previous visits.

Specimens of possible parnauite have been sent away for ID.

David Lloyd

RSN (1998) 33, 11-12 Field trip u'ground. Langite, olivenite, cornwallite, cornubite, clinoclase, brochantite, agardite-(Y), mixite, scorodite, pharmacos, malach, etc!

Bedford Mine, Gulworthy, De
Ref: SX 435724] - 19 May 199
SWB, Leader: R. Love, R von [Grid
Kelvin Phillips RSN(1 6
porter:
996) 29

The perfect day to be collec ing u
was raining. We met on the tr ack in
sat in our cars watching the r ain sp
puddles; three of us from the Russ
a member of the Plymouth C avin
acting as our guide; the sum total
enough (or should that re d sill
venture into the mine. After ten m
rain let up and it was a quick r ush to
it started again. Our guide th en le
the woods to a large adit mo uth, w
gate across the entrance.

The trip into the mine started with
These then led to the top of a de
informed that there were w oode
this point once. However th ey a
and a traverse across the top of the
for, followed by a scramble u a ste
At the top of the slope a quic k awl
a wall and you are into the n ext l
traversing, and a hands and k nees
us to yet another hole. A ca eful
it led to a low wet passage, a d he

nderground, it
the woods and
ashing into the
ll Society, and
Club who was
of those brave
enough?) to
nutes or so, the
change before
us up through
ith a large iron

wo easy drops.
p stope. I am
planks across
now missing,
ope was called
p gravel slope.
ward climb up
el. Walking,
awl soon took
ramble down
e the top of a

15m shaft. Having negotiated the shaft, and the stream that runs down it, we reached deep adit. From there a walk soon reaches the workings.

When we arrived at the workings Rob, our leader, produced a scrap of paper with a hand drawn map - a location for chenevixite. This then found us climbing up a stope to the 'promised' land! Several hours later, after much hammering and bags full of rocks, we set out for the exit, with one of us having to rush off, to get to work.

The minerals collected on this trip were: arsenopyrite, brochantite crystals, chalcocite, chlorite, cornwallite, langite crystals, olivenite crystals, minor parnauite, and hopefully, chenevixite.

A cautionary note - this mine is as safe as they can be in the rain, but some flood. Always check before going underground.

RSN('03) 42 4. "may have chalcosiderite been found".

Bedford Mine, Gulworthy, Devon [Grid Ref: SX 435724] - 19 May 1996

SWB, Leader: R. Love, Reporter: Kelvin Phillips RSN(1996) 29

The perfect day to be collecting underground, it was raining. We met on the track in the woods and sat in our cars watching the rain splashing into the puddles; three of us from the Russell Society, and a member of the Plymouth Caving Club who was acting as our guide; the sum total of those brave enough (or should that read silly enough?) to venture into the mine. After ten minutes or so, the rain let up and it was a quick rush to change before it started again. Our guide then led us up through the woods to a large adit mouth, with a large iron gate across the entrance.

The trip into the mine started with two easy drops. These then led to the top of a deep stope. I am informed that there were wooden planks across this point once. However they are now missing, and a traverse across the top of the stope was called for, followed by a scramble up a steep gravel slope. At the top of the slope a quick awkward climb up a wall and you are into the next level. Walking, traversing, and a hands and knees crawl soon took us to yet another hole. A careful scramble down it led to a low wet passage, and hence the top of a 15m shaft. Having negotiated the shaft, and the stream that runs down it, we reached deep adit. From there a walk soon reaches the workings.

When we arrived at the workings Rob, our leader, produced a scrap of paper with a hand drawn map - a location for chenevixite. This then found us climbing up a stope to the 'promised' land! Several hours later, after much hammering and bags full of rocks, we set out for the exit, with one of us having to rush off, to get to work.

The minerals collected on this trip were: arsenopyrite, brochantite crystals, chalcocite, chlorite, cornwallite, langite crystals, olivenite crystals, minor parnauite, and hopefully, chenevixite.

A cautionary note - this mine is as safe as they can be in the rain, but some flood. Always check before going underground.

RSN(103) 42 4 "Chalcosiderite may have been found".

1" 187 SX 4 6

BEERALSTON MINES, Beer Ferris, S. Devon. S 82

See also LOCKRIDGE M, TAMAR VALLEY M; WARD M; FURZEHILL M; N HOOE & S HOOE;

JC (1871) 68 (Pb Ag) Anglesite; blende; bournonite; calcite; chalcedony; chalcopyrite; chalybite; dolomite; fahlerz; fluorite; galena; hornstone; mimetite; pyromorphite; pyrrhotite.

TMH (1868) 57 Same but no chalcopyrite shown

Raymers Cat. (1960) Fluorite + pyrite

Rudler (1905) 55. Many fine specs of fluorite & galena are from the old silver-Pb mines of Beer Alston, which were worked on two great cross-courses or N & S veins, & were once the centre of great mining activity.

p56. galena is argentiferous - 80-140 oz Ag/ton.
p86. Fluorite "octahedron" - an aggreg. of cubes.
p87 Colomlers fluorite
p88. A fine suite of fluorites, rich smalt-blue pale sea-green, etc
p91 "Babel quartz", stepped, ?on fluorite (now gone).
p94. Succession: 1) Fluorite; 2) siderite; 3) dolomite.

W. Phillips (1823) Siderite; tetrahedrite; mimetite; cerussite.

GeL (1858) Schieferspar. Dolomite with fluorite. Calcite. Fluorite - coloured & zoned.

1" 187 SX 4 6

BEERFERRIS, Devon

See also TAMAR MINES, etc.

G & L (1858) :- Calcite - various mines

1" 175

BEIRA MINE, Chagford, SX 7 8 ? Devon

See GREAT WEEK MINE

1" 175 S. Zeal, Okehampton 632945 (SX)

BELSTONE MINE, Devon.

K 28

Esq Okehampton.

BM: Green Andradite.

GR 6/55 Scorodite (botr); löllingite; covellite, thin blue layers; arsenopyrite; chalcopyrite in vughs; pyrite; bedded brown grossular, xlised in parts. Approached from W along narrow lane Dumps to N of lane, just past large farm-hse on S side. Also reachable from main road across the fields.

Solly, MM, 6, 202 (1886) garnet; axinite; asbestos; semi-opal; jasper; chalcopyr; qtz; calcite. Most of these from 100 fm level. Locs for axinite given.

JC (1871), 66. "Belstone Consols", Okehampton (Cu, working) chalcopyrite; garnet; limonite.

Rudler (1905) 37: Chalcopyrite with axinite & garnet

p 101: Andradite with axinite, chalcopyrite, & arsenopyrite in metam. zone on margin of Dartmoor granite - a copper mine

AR MM 21 Belstone Consols - Cu, As mine, with brown to green grossular; axinite; an opal-like mineral

AWGK RGSC (1964) Scheelite - "Belston"

C. Rogers (1965):- garnet; axinite; actinolite.

BELSTONE MINE, Okehampton, Devon (II)

RSN (1992) 23

Belstone Consols Mine, Sticklepath, Devon 19th May 1991

Some 15 members, including 2 Southern Branch guests from Weymouth, assembled in quite pleasant (for Okehampton!) weather and made their way to the dumps, with a cursory glance, *en passant*, at the White Hart Inn, where a sceptical Cornish mine-captain had been invited to consume 3 cwts or so of rich copper ore from the mine, having doubted the celebrated miner-cum-mineralogist John Calvert, who, in 1859, chose the site as being a good prospect for copper; the captain had rashly undertaken to swallow all the ore raised!

The ore lay in beds rather than lodes in calcareous country-rock within the Dartmoor metamorphic aureole. The dumps are particularly noted for andradite garnet, axinite and several forms of actinolite, including 'mountain cork' and most members took away specimens of at least some of these species; some specimens of what Solly (*Min. Mag.* 6) referred to as "green semi-opal" were also collected, although the sulphide minerals recorded - arsenopyrite, danaite, pyrite and chalcopyrite, were in decidedly short supply.

After lunch the party adjourned to Ivy Tor mine, part of the Belstone sett, in the hope of finding bismuthinite. The chlorite matrix was abundant; stringers of arsenopyrite were not uncommon but of the bismuth there was not a trace, despite the valiant efforts of one member who went paddling in the stream where the bismuth appears to have been rejected by the miners. Not a totally productive day, but the leader would like to thank all members who politely reckoned that they'd enjoyed themselves! Thanks also to John Hanington of Belstone for his permission to visit the dumps.

Peter Golley

RSN (1992) 23

Belstone Consols Mine, Sticklepath, Devon 13th September 1992

Two (fool?)hardy souls - three if you count the leader - out of a possible six - or seven - braved the driving rain to assemble on the dumps of the mine to be rewarded with a dry period of a couple of hours during which the usual mineral assemblage proved available. Garnet (andradite- inclined), actinolite and axinite were collected together with Solly's 'semi-opal' (*Min.Mag.* **4**), the last-named with inclusions of garnet and arsenopyrite. The weather closed in again at lunchtime and the party broke up to reassemble *chez* the leader for coffee and conversazione, which led indirectly to the leader filling in a little of the history of a specimen of his dated 1808. But that's another story...

Special thanks again to John Hanington of Belstone, the landowner.

P.J.Golley

1" 176 Christow, SX 83 84 S 15

BENNAH MINE, Teign Valley.

See also TEIGN VALLEY

Ramsden, MM, 27, 75, (1945). 1852.

Also known as CHRISTOW SILVER-LEAD MINE. ¼ mi SW of Christow.

Dines (1956), 743. Apparently little more than a trial on the Teign Valley Pb lodes, in the 1850's. ENGINE Sh. ?200 yds W of Park Arms Inn, N of Bennah village; EAST Sh, site unknown. Traces galena & pyrite recorded

BENNETTS MINE, Mary Tavy, Devon

See Wh. FRIENDSHIP.

BERE ALSTON MINES, Devon

See BEERALSTON MINES.

1" 163 SS 531 376

BERE CHARTER MINE, Braunton, Devon

PFClaughton Plym MMCJ (1973) 4[1] 5; (1974) 5[1] 9 Cu mine, worked 1858-62. Short adit & shafts in Pippacott Wood.

1" 163 SS 56 46

BERRY MINE, Combe Martin, Devon.

See also COMBE MARTIN MINES etc.

Dines (1956) 758. At Berry narbor, 1½ mle W of Combe Martin; abandoned 1809, exact site unknown.

PFC, PMMCJ (1973) [1] 5 Lead mine, working to 1809. Exact loc unk.

1" 187 ≈ SX 47 g 690 S 78

E. BERTHA MINE Buckland Monachorum Devon

See also BULLERS BERTHA MINE

JC(1871) 67 (Cu) Chalcopyrite

Dines (1956) 701 EAST LADY BERTHA, Trial 600 yd E by N of Eastern Sh. of Lady BERTHA. Quartz-chlorite vein stone with arsenopyrite, pyrite, some siderite

E. BERTHA Mine

(OLD) 1" 187 Mary Tavy. SX 510 810 K 19

WHEAL BETSY, Tavistock.

or PRINCE ARTHUR CONSOLS

See also S. Wh. BETSY, Mary Tavy. (S 33); Wh FRIENDSHIP; N. Wh BETSY

Rutley, 15th. Ed., p. 198, vivianite. "Wheal Betsy"

PRINCE ARTHUR CONSOLS (OLD WHEAL BETSY).

JC(1871) 67 (Pb^{Ag}) Chalybite galena, limonite, vivianite.

66 (Cu, Pb) N. Wh. FRIENDSHIP - chalcopyrite, galena

TMH(1868) 60 Slate (Cu, Pb) Blende; chalybite; galena; limonite; rock xl; vivianite.

Dunham. F(1952) 118 Fluorite present

BM: Childrenite (A. Russell) v. sporadically as micro-xls in heavily iron-stained ferruginous quartz.

Dines (1970) 705 Connected with Wh FRIENDSHIP by a drive. p709 Descrip. N-S lode (Pb/Ag) worked at least 1200 yd e to 170 fm. Many old sh's eg JOB's sh 150 yd NE of 5th MS from Tavistock 28 fm to adit e on underlie to 142 fm level. WILLIAMS NEW ENG Sh., (150 yd S by W of Job's); 100 yd S to BULLENS; 85 yd S to TAYLORS; 200 yd S to S. ENG. Sh. to DEEP ADIT, connected with WILLIAMS SH. of Wh. FRIENDSHIP.

Lode is N ext. of Wh FRIENDSHIP X-course. 6"-3' of quartz, siderite, limonite with galena, a little sphalerite. Closed 1877

"S. Wh. BETSY" section prob. S of S. Eng Sh.

1" 187 SX 5, 82-3

NORTH Wh. BETSY, Mary Tavy, Devon

See also Wh. BETSY

Dines (1956) 709. Produced Zn ore in 1859 according to Collins (1912, p. 415) (Tr. Roy. Soc Corn). Loc. unk., but old shaft on Black Down, 960 yd N of JOB's SH (Wh Betsy), in line with Wh Betsy lode, an adit in a small valley in Henscott Plantations, 875 yd further N [~ 51. 83.]

[~ 51. 82.3?]

1" 175,187 SX 51 81 S 33

S. Wh. BETSY, Mary Tavy, S. Devon.

See also OLD Wh. BETSY, Mary Tavy (K19)

JC(1871) 66. (Cu, Pb).

Dines (1956) 709. Included in Wh. BETSY

1" 163 SS 5332

BICKINGTON, Barnstaple, N. Devon. N 11

JC (1871) 70 Pyrites

1" 163 SS 4526

BIDEFORD, N. Devon

N 8

JC (1871) 70 Psilomelane; haematite; anthracite.

TMH (1868) 57 Mill Gr. & Carbonif Shale. Mins. as above.

G&L (1858) Anthracite

1" 176 =BIRCH or BIRCH ALLERS MINE SX828869 S 20

BIRCH ELLERS MINE, Teign Valley.

See also TEIGN VALLEY, ANN MINE

MM 27, 75, (1945) Pb mine, 1854 [Ramsden = author]

Includes ANN MINE (Wh. ANN).

Dines (1956), 742. Opened for Pb, active 1850-1855. 2 shafts: OLD ENGINE Sh, 700 yds W of Venn Farm; PYES Sh. or WHIM Sh., 148 yds SSW of the other; sunk on Teign Valley Pb lodes, here NW-SE [some details given].

Lodes said to have galena, blende, baryte. Fluorite reported in and S of Pye's Sh.

In Culm measure shales & cherts.

1" 175 SX

S. 106

BIRCH TOR MINE, North Bovey, Devon.

See BIRCH TOR & VITIFER M.

TMH(1868), p57: granite. Cassiterite; felspar; haematite; schorl.

1"175 Cent on SX 68z 810 (I)

BIRCH TOR & VITIFER MINE, North Bovey, Devon

See also E. BIRCH TOR M., GOLDEN DAGGER M., HEADLAND M., BUSHDOWN M., WATER HILL M., W. VITIFER M., E. VITIFER M.

Dines (1956) 720–724. Map, p 722. Part of a complex of opencasted lodes, ~ 2 sq miles around Warrenhouse Inn. Lodes in granite of quartz, blue tourmaline, cassiterite, specular haematite, small amounts pyrite, mica.

BT & V = NEW B.T. CONSOLS, is main, central mine

Worked lodes either side of valley to S from 500 yd E of 14th MS from Tavistock. N → S ~1000 yds: HAMBLY'S, NORTH, WALL'S (PAUL), PRIDEAUX'S, LANCE'S LODES (W side), LEAN'S LODES (E side of valley). Details of lodes, shafts, levels etc. Worked intermitt until fairly recently. Cassiterite also worked from alluvial deposits — "BIRCH TOR ALLUVIALS"

A. Brammall, MM (1926) 21 14. Near Vittifer mines:— several minute flakes gold in earthy haematite coating vein-quartz

TMH (1868) 57 BIRCH TORM (granite) Cassiterite; felspar; haematite; schorl.

BIRCH TOR & VITIFER MINE, North Bovey, Devon (II)

JC (1871) 69: NEW B.T. & V. M. (Sn, working): Cassit.
NEW VITIFER CONSOLS (Cu, wkg) Chalcopyrite, schorl.
[Chagford pH] → (?)

1" 175 SX 69-70-1,? 80,1,2?

EAST BIRCH TOR MINE, North Bovey, Devon S 109

JC(1871) 69 (Sn) Cassiterite

Not mentioned in Dines(1956). Possibly = HEADLAND M., or E. VITIFER M(??)

NEW BIRCH TOR CONSOLS, N. Bovey, Devon

See BIRCH TOR & VITIFER M

BIRCHWOOD MINE, Whitchurch, Devon

See DEVON & COURTNEY MINE

1" 163, SS 5630

BISHOP'S TAWTON, Barnstaple, N. Devon. N.12

JC (1871) 70 Pyrite

1" 175 SX 708 757 – 700 745

BITTLEFORD DOWN, Wideconke, Devon.

MM 20 (1924) 201 Pegmatite boulders strewn over moor – belt ca 50 yds wide at N end immediately below Wind Tor, fans out SW towards bank of the W. Webburn between Jordan e Ponsworthy, where ends.

Abundant hornblende, much brown sphene, quartz, visible gold, (silver in analyses), oligoclase ≫ orthoclase plagioclase (Ab>An), tourmaline, amphibole, apatite, ilmenite, haematite. Minor pyrite, pyrrhotite, zircon,

molybdenite.

Tough compact coarse-grained rock. Au as flecks in felspar & quartz

1" 175 SX ≈ 51 82 or 50 79 6" Dev. 97NE (1907)

BLACK DOWN, Mary Tavy, Devon

K 45

See also RED-A-VEN BROOK MINE, WEEK MINE, Wh. FOREST.

AR, MM (1946). The rhodonite recorded by Phillips probably came from nearby WEEK MINE

see sep. Card. K57

JC (1871) 67 (Tavistock) Niccolite; psilomelane; pyrolusite; rhodonite.

TMH (1868) 59. "Kupfernickel" (= niccolite); psilomelane; rhodonite.

Rudler (1905) 78. Rhodonite, from Black Down, nr. Tavistock

1"164 ST 11-18 16-17

BLACKDOWN HILLS, N. Devon N 26

JC (1871) 70 Agate; chert; flint

OS 1" 164 Border w. Somerset runs along the hills.

1" 187 SX 53 58

BORRINGTON CONSOLS MINE, Plympton, Devon.

Dines (1956) 686. Includes BORRINGTON PARK and EAST BORRINGTON Mines. [OS 1" (1961) spelling:- "BORINGDON"]

Lode due E. Adit for 625 fm E from portal in valley 3/4 mi WNW of Borrington Manor. W portion = old Borrington Park mine. with 3 sh's, adit flat. To E rises gradually to other shafts in E. Borrington Section.

Dumps have quartz, pyrite, arsenopyrite,

chlorite, chalcopyrite, galena, sphalerite.

BORINGDON (CONSOLS MINE) Plympton, Devon

See BORRINGTON CONSOLS MINE

OS 1" 187, (1961) Current spelling of Borrington

1" 187

SX 557-561? 587-91?
55 or 56 — 58

BOTTLE HILL MINE, Plympton St. Mary, Devon

(= OLD BOTTLE HILL M.)

See also E. BOTTLE HILL MINE

Dines (1956) 687-8. = OLD BOTTLE HILL MINE; 2¼ mi NE of Plympton. 4 EW Sn/Cu lodes:- NORTH (BLANCHARD'S); MAIN, BUCKINGHOUSE (CAUNTER), SOUTH. & a NS Pb crosscourse. EW lodes in belt 200 yd wide crossing high ground between brooks W of Drakeland Corner. Adit a little below 200' contour in Tory Brook valley 800 yd N of Newnham Park [ie x 55_6 58_7]. To E of this, shafts, openworks etc. Lodes have

capel, quartz e chlorite, some tourmaline e siderite, with cassiterite, chalcopyrite, arsenopyrite, pyrite.

PMMCJ (1973) 4 [2] 22 Field trip. Small quantities malachite, cuprite, tetrahedrite, native copper found

1" 187 SX 56 58 S 92

E. BOTTLE HILL MINE, Plympton, S. Devon

See BOTTLE HILL MINE.

JC (1871) 68 (Sn, wbg) Cassiterite

1" 188, 176

BOVEY TRACEY, Devonshire

SX 81 78 S 23

BM: Colourless, vg apatite. [to. schorl, quartz felspars]

JC(1871), 69. Apatite; hornblende; lignite; mica orthoclase; tourmaline; rhodochrosite; lithomarge (=kaolin); retinite (= an asphalt)

TMH(1868), 57. Gran; Mill gr, e Miocene. Apatite; rhodochrosite ("diallogite"); felspar; hornblende; lignite; lithomarge (=kaolin); mica; tourmaline; retinite.

Rudler (1905) 24. Apatite, opaque, cream-coloured

xls > 1in long, with black tourmaline, in granite.

p67. Micaceous haematite nr Bovey Tracey.

p104. Retinite earthy irreg. brown masses assoc. with the Tertiary lignite.

AWGK, RGSC(1964) The apatite-tourmaline locality was a small quarry, in a pocket of reddish, altered granite at Woolley (or Wolleigh) Farm, just over 1mile NW of Bovey Tracey. Little or nothing to be seen now. 805 799

GeL (1858) Lignite; retinite with brown coal.
Apatite, tourmaline.

1" 175 SX 467 819

BOWDEN COMMON MINE, Brentor, Devon

See also WHITSTONE M.

Dines (1956) 716 = EAST CHILLATON MINE.
Adjacent to, but separate from WHITSTONE Mine. 4 shs on Bowden Common or Down. Small dumps have chert stained with black Mn oxide, & quartz strings.
Mn recorded 1875-7

GS 6" MS map (1908) shows "E. Chillaton M", shafts etc

1" 176 ~ SX 81 81 (?)

BOWDEN HILL, Hennock? Devon

See also KELLY M, etc.

Dines (1956) 726-7 Old opencasts on an iron lode (erroneously "Sn" lode on GS 1" (1913) map) for 600 y E 15°N from near road, 350 yd SE of Beadon Cross. Opened 1873 by x-cut adit from valley, ~ 300 yd NW of Chericombe Head, and by shafts. Collins (1912)(RGSC) states 3ft lode of quartz, brown & specular haematite. Dumps have veinstone of banded quartz & tourmaline

with strings of spec. haem often growing on the tourmaline. Wall rock is chloritised granite. No output records.

1" 163 SS 7 3

BRADBURY MINE, North Molton, Devon

PFC, PMMCJ (1973) [1] 7. Exact loc. unk.

Iron mine, 1874

BRADSANDS M., Devon

See BROADSANDS M.

1" 163 SS 6437

BRATTON FLEMING, Barnstaple, N. Devon N.13

See also HAXTON MINE

JC (1871) 70 Haematite; limonite.

TMH (1868) 57 Devonian. Haematite

PFC, PMMCJ (1973) [1] 6. BRATTON FLEMING MINE probably = HAXTON MINE. Working for iron, 1873-8 in conjunct. w. SHIRWELL.

1" 187 SX 4 5 ?

BREAKWATER QUARRY, Plymouth, Devon.

GeL (1858) Calcite, formerly, in good modified scalenohedra

1" 164 SS 818 283

BREMLEY MINE, Molland, Devon

See also GOURT MINE; MOLLAND M.

PFC, PMMCJ (1973)[1] 8 Shafts & adits at 818 283 N of Bremley Fm. Worked for copper 1728 → closed by 1770; 1851-67. For iron, 1877-91

"MOLLAND MINE" = BREMLEY M., 1877-91 and BREMLEY M. + GOURT M., 1851-67

[T.M.H (1868) 59; JC(1871)70. Chalcopyrite, tetrahedrite]

Dines (1956) 763. MOLLAND M., = BREMLEY or BRIMLEY M.

Iron & copper mine on EW lode crossing valley ½ mi E of Molland. Dumps have quartz & siderite with chalcopyrite x/s in grey shales, & granular masses of calcite & siderite with large amounts of greenish lithomarge [= halloysite or kaolinite]

BRENT MINE, South Brent (?), Devon.

J. Brooke Plym MMCJ (1975) 6 [3] 7-8

Iron mine, 1863. Output unknown

South Brent SX 70 60 ie SX 65 75 66 or 76!

1" 175 Brentor SX 470 803

BRENT TOR, Tavistock, S. Devon S 63

JC (1871) 67 Actinolite; axinite; garnet; jasper; psilomelane; pyrolusite

TMH (1868) 59. granite e Trap. —Ditto—

Dana (old) 529 4 mi N of Tavistock: Axinite

MA 14 28 Toll. Min'g Mag (1958), 99 17. Mn mining near CHILLATON [qv] and BRENTOR. Mn occured as pyrolusite psilomelane e occas. rhodonite in irreg. masses with chert.

GS 6" MS map shows "Iron mine said to have been here" and "Shaft", at Brentor Bridge, SX 485 812; also "Old Mn workings" at 4695 802

1"176 =BRIDFORD CONSOLS 830 865 S 18

BRIDFORD MINE, Christow, Teign Valley.

~~See also TEIGN VALLEY~~

Ramsden, MM. 27, 75, (1945) Barite mine. Lead in small pockets between wall rock & barite vein. Zinc small disseminated xls.

Min Abs. 12. 398. Polkinghorne. RGSC 18 240 (151). Largest vein 30ft wide of massive baryte worked in a quarry. Veins thinner in depth & then contain also pyrite, galena, blende, & bournonite.

Laporte Journal (1961?). A Laporte baryte mine.

Parkinsons Cat. (1959). Blende - "Bridford".

Dines (1956), 742. Prob. started for Pb; by 1855 baryte body discovered & since worked on large scale. [Details, photos, & vein section given]

Worked mainly on Nos 1–5 veins (NNW), but there are numerous smaller veins in a complex network. In addit. to baryte, veins have a little quartz & occas. pyrite & galena; in places pockets of blende with tetrahedrite occur in wall-rock close to veins. Occas. veins with well-formed baryte xls, but several large cavities formed by dissolution. In Culm measures killas.

Note old opencast just S of Bridfordmills Lane, 550 yds SW of Venn Farm. NEW SHAFT is 620 yds SW of Venn Farm & 60 yds NE of the old shaft.

C. Rogers (1968):- Baryte. | Cryst. Vive Cat (7/04) from HEDGEMOOR, Bridford – Schorl xls

1" 163 ca SS 745 335 N.20

BRITTANIA and PRINCE REGENT MINE, N. Moxleton, N. Devon

See also BAMPFYLDE MINE

JC (1871), 70 (Cu, wkg). Gold; chalcopyrite; emplectite; tetrahedrite.

TMH (1868) 59 Dev. slate. Ditto.

PFC, PMMCJ (1973) [1], 7. At 745 335; worked for copper, late 1840's; gold & copper, 1852-3. — BRITANNIA MINE.

PRINCE REGENT M. is probably early name for Britannia M.

Dines (1956) 763 Small iron mine in Higher

Mines Wood, 1000 yd SW of North Radworthy.
Said by Collins (1912) p 424 to have worked brown haematite, goethite, & siderite in a cross course. Said to carry grains of gold in haematite ore. Ore quartz ore.

1" 188 SX 92 56

BRIXHAM, Devon (I)

See also Five Acre M

B. Cooper & A. Wright, gift to RSWB 10/70

?Malachite with ? calcite in haematite - gozzan

IRON MINES [qv] JC(1871):- FIVE ACRE M.; J. Brooke PMMCJ (1975) 6[3]7-8:- BRIXHAM HAEMATITE, BRIXHAM IRON, BRIXHAM (SHARHAM PT.), CALLEY'S IRON PAINT, CHINTER, DREWS, FOWSHAM, FURGAM HILL, FURSEHAM (FURZEHAM), FURSEHAM COMMON, Gt. FURSEHAM, PARKINS (PARKIN, PARKER, PARKER'S),

SHARCOMBE (SHARKHAM, SHARPHAM); SHARKHAM POINT (SHARHAM PT.)[cf BRIXHAM], TORBAY IRON, UPTON, UPTON AND TORBAY, WEST BRIXHAM, Wheal PROSPER.

These returned "Red" or "Brown" haematite or ochre. in 19th Cent.

JIW (1995) ST. MARY'S BAY - beach boulder of quartz had siderite (small rhombs) (FTIR-RSWB) and "unident" near-colourless translucent sulphide [FTIR - no abs 400-4000 but strong set of bands below 400] - smells sulphurous (?) on grinding. XRD pattern = a cubic FeS (?)[metallic!] = SPHALERITE (!)

BRIXHAM, Devon (II)

RSWB JIW 11/9/96 ST MARY'S BAY,
Attempt to find the "unident sulphide" in situ failed, but....
Spur of slaty shales at SX 932 550 has ~horiz quartz bands and lenses, with some cavities, in which: quartz (clear xls → ~1 cm); white talcy-looking muscovite (IR); pale-green talc-like xls (IR - unident mica? or hearb); siderite rhombohedra; tiny clear needles aragonite (IR); small cubes pyrite; most ox → goethite; traces galena, sphalerite, chalcopyrite. Spectacular millerite xls, some altered

to translucent green material(s) (IR→?)

RSWB & J.I.W. (2001) J. Russ. Soc. 7 [2] "Millerite & associated minerals from Brixham, Devon, Engl'd"

BRIXHAM HAEM. M. Devon

See BRIXHAM

BRIXHAM IRON M Devon

See BRIXHAM

SX 8 5 ?

WEST BRIXHAM MINES, East Portlemouth, Devon

J. Brooke. Plym MMCJ (1975) 6 [3] 7-8
Iron mine 1870-72. "Brown haematite" (?).

SX 89 57 ?

BROADSANDS MINE Devon

= BRADSANDS M.

J. Brooke Plym MMCJ (1975) 6 [3] 7-8

Iron mine working 1872. Output not recorded

[1" OS 188 Broad Sands SX 89 57]

BROADSANDS, Devon

Crystal Vine Cat (7/04) Calcite, dogtooth;
fluor orange (SW UV)

BROOK (=OLD EMMA) M., Buckfastleigh, Devon

See BROOKWOOD M., etc.

1" 187 Buckfastleigh SX 718 675 S. 30

BROOKWOOD MINE, S. Devon (I)

See also BUCKFASTLEIGH; KINGSWOOD MINE, etc, Wh. EMMA (Buckf.)
COMBE Cu LODE

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

Collins (1871) p 68. working Copper Mine – chalcopyrite

Spec → RSWB 7/74. Erythrite, crusts of good x/s.

1/SX 697 681 "[a? COMBE Cu (qv)]

BMS Newsl (2000) 56 6-7: BMS Coll, from Don Blake:–
2208 – fluorite; 2209, erythrite; 2210 tyrolite;
2211 sphalerite; 2212 muscovite.

P.T.O.

RSN (195) 26

Brookwood & Emma Mines, Buckfastleigh [Grid Refs: SX 718 675, SX 715 675]

Brookwood and Emma Mines were two of a group of mines about 2 miles NW of Buckfastleigh situated on both banks of the River Mardle. The others were Old Emma, also known as the Brook Mine, Wheal Treebly, New Brookwood and East Brookwood at one time all working under the name of South Devon United Copper Mines, though the three latter were probably not much more than trials. The Brook Mine started producing copper ore in 1845 and by 1856 Wheal Emma had opened with Brookwood in the early 1860's nearby to the east, both being on the south bank of the Mardle. Recorded outputs of these two mines from 1856-77 was 34,000 tons making them the largest copper producers in this part of Devon, and in 1882, 84 tons of 'mispickel' were recorded. Brookwood was the deepest working mine in the area, at 275m. By 1885 workings had ceased although New Brookwood was not finally abandoned until 1891.

Geology:

Upper Devonian hales and thin limestones, with the metamorphic aureole surrounding the Dartmoor Granite about a mile to the west. The lode courses E-NE and is an interesting example of a complete hydrothermal deposit of metallic ores covering a full range of temperatures and pressures.

The following minerals have been recorded from the dumps:

annabergite, arsenopyrite, bieberite, calcite, cassiterite, chalcopyrite, chlorite, cobaltite, fluorite, galena, plagioclase feldspar, pyrite, quartz, siderite, tetrahedrite, tourmaline, and woodwardite.

BMSN (2000) 37, 11. N. Hoppe (8/99)
On private prop. Extensive dumps.
? Erythrite; milleritein TN-size
spec's (one member). No annabog.

cf S. DEVON UTD M, Peter Tavy

BROOKWOOD M., Buckfastleigh, Devon (II)

RSN('02) 40, 28. Visit (D. Roe) "SX 789 759"
Too wet: Hepink "bisberite" is erythrite
[The nearest mine to this NGR is SILVER BROOK MINE, Ilsington, 7 miles NE of Brookwood]

EAST BROOKWOOD M., Buckfastleigh, Devon

See BROOKWOOD M., etc.

NEW BROOKWOOD M., Buckfastleigh, Devon

See BROOKWOOD M., etc.

1" 175 SS 67 07

BRUSHFORD MINE, Brushford, Devon.

Dines (1956) 760 Ancient lead mine, on N side of Taw R. valley 4 mc S by W of Chulmleigh. A record in 1498. Adit 50 yd S of Middle Reeve Fm. driven W. Other old workings suggest a lode N 5° W under Brushford Barton

II 187 SX 73 66 S 99

BUCKFASTLEIGH, S. Devon.

JC (1871) 68 Aragonite; haematite; limonite; malachite.

TMH (1868) 57. Ditto.

GeL (1858) Aragonite – See Billy Cleaves Q

C. Rogers (1968):- BLACK ROCK Q'y:- calcite; aragonite; micaceous haematite (magnetic).

J. Brooke PlymMMCJ (1975) 6 [3] 7-8 list Fe mines: BUCKFASTLEIGH, DEVON IRON, SOUTH DEVON ("Brown haematite")

Angelly Cave Research Centre (1963)

MIGGER HILL QY. Has caves & lamprophyre dyke in the limestone. Minerals {goethite var limonite}; haematite including specular, in thin veins.

Buckfastleigh Caves, Devon

P. Smith, The Lyre 3, 47 (1960).

Bakers Pit Cavern - detailed descr.; morphology interesting.

Reeds Cavern - entered in Higher Kilm quarry; very many formations, relatively unspoiled. Five other cave entrances in the quarry.

Rock House cave, in old quarry now containing private house (West Rock).

Pridhamsleigh Cavern (filthy!).

Pengelly Cave Res. Centre (1963)
Higher Kiln Q'y has caves

1" 163 SS 490 400; 492 402

BUCKLAND, Georgeham, Devon

Dines (1956) 759 Iron trial 1 mi ESE of SPREACOMBE workings [qv]. Shafts 600 yd W & 500 yd NW of Spreacombe bridge on main road 1 mi E of North Buckland [ie at ≈ 490 400 & 492 402]. No records

PFC, Pl. MMCJ (1973)[1] 4. At 492404. Shafts & adits for iron. = BUCKLAND MINE

1" 163 SS 4220

BUCKLAND BREWER, N. Devon. N.6

JC(1871) 70 Haematite; jasper; limonite.

TMH(1868) 57 greensand. chert; flint; haematite; jasper; limnite; psilomelane.

1" 175 SX 72 73

BUCKLAND IN THE MOOR, Ashburton, Devon. S 123

JC (1871) 69. Magnetite.

TMH (1868) 56. —"—

1" 176 SY 0682 nr. Exmouth.

BUDLEIGH SALTERTON, Devon. (I) S 25

Carter; MM 22 609 (1931). Vanadiferous nodules (PTO)

JC (1871) 70. Agate; orthoclase.
TMH (1868) 58 N.R.S. Agate; felspar.

BM: Niccolite, blackened warty nodule in bleached zone of marl.

MM 33 xlvi (1961) Exhibit, J.F. Wyley.
Metatyuyamunite from the Permian
[PG Embrey in R.J. King & J.A. Dixon MM (1971) 38 488-492
Some doubt - more probably = Pascoite]

D.R.A. Ponsford Bull G.S.G.B. 10 24-44 (1955) [MA 13-139] V-nodules W of Bud S. have 0·12 – 0·48% V_2O_5

Harrison, RK "Concretionary concentrations of the rarer elements in Permo-Triassic red beds of south-west England" Bull GSGB 52 1-26 (1975).

Elements rare in sediments, incl U V Ni Co Cu As Ag concd in concretions in grey-green reduction haloes in Perm-Trias. E Microprobe anals. Complex paragenesis. Mins include nat copper, nat silver, algodonite, bornite, chalcocite, chalcopyrite, covellite, mauckerite, a cobalt-arsenide (?=modderite), niccolite, rammelsbergite, coffinite, vanadian mica, malachite, lavendulan ("freirinite").

G E L Carter "An occurr. of vanadif. nods in the Perm. beds of S. Devon" MM 22 609 (1931) Found in

BUDLEIGH SALTERTON, Devon (II)

red marls immed. under Bud. Salt. pebble bed, to depth of at least 400 ft e in red clay on beach as waterworn specimens. For ½ ml either side of Straight Point [SY 0379], max W of base of West Down Beacon [SY 043 810]. Inland, best in Mr. Carter's brickfield in Withycombe Raleigh pH ~ 1½ ml from coast [? SY 023 820]. Dark cores, aureoles of greenish clay.

Essentially clay, light parts have $CaCO_3$.

Little Pb, Cu, S or P [or Co, Ni] Dark parts have 13.96 % V_2O_5, light parts 1.91 % V_2O_5 V. slight radioact, equiv 0.07 % U_3O_8 over whole nodule, but concd at light/dark margin.

M. Perutz "Radioact nods from Devonsh, Eng" Min Petr Mitt (Tscher) 51 141-161 (1939) [MA 7-500]. Speculates on origin of V-nodules. Slight radioact in film @ margin of dark core. Dark material 0.3 – 0.5 % U. Minute specks w. metall lustre = niccolite, but no V or U mineral ident. Bleached aureole 0.24 % V_2O_3; surr. red clay 0.10 % V_2O_3, & more Fe_2O_3 than bl. aureole

PHA Nancarrow in CJ Stanley et al., Min Mag (1990) 54, 485-493 Clausthalite in the vanadiferous nodules.

BUDLEIGH SALTERTON, Devon. (III)

Kemp, A.J. et al (1994) Proc Ussher Soc. 8 214..
"The U-Th and RE geoch. of reduction nodules from B.S., Devon" Metal-rich nodules in reduction halos in oxidised mudstones at Perm-Trias boundary. High particularly in V, U, Cu. Reduction from org. decay?

B Craik-Smith (2000) Russ Soc N'let. 36 7. "Budleigh-Salterton - Revisited". A nodule w. abund earthy eglob erythr so Co-As [V] rich had inside a bright grass-green spongy material → dull grey within hours! ×RD→ nontronite. A soluble orange-red

xline vanadak has Mg, K simil to hummerite, but not accord. to its XRD. Ass with it is a xline dk brown & a yellow xline mineral. A translu green xline min → 5 mm is roscoelite (& RD). Rounded masses to 1cm in stringers in the green marl, with 2Y melaconite* crust on XRD → digenite-bornite intergrowth. List of min's "as complete per my knowledge" :- coffinite, melaconite, (?) tyuyamunite, metatyuyam[?], ch'pyr, djurleite chalcocite, roscoel, nat Cu, Cu, algodon, nat Ag, azur, digen, pascoite (?), mal, born, maucherite, Cu-volb, lavend, modderite (?), "pyrrhot-like",

BUDLEIGH SALTERTON, Devon (IV)

cuprite, niccol, gyps, erythr, pyrolus, rammelsberg, voelborth, annabeg, "hummerite-like", α-cristobalite, sulvanite (?), nontron, montroseite (?), covelline, vesigneite, uraninite (?)

* "melaconite" = tenorite; does he mean melanterite ??

BMSN(01) 59 6. D. Merritt had erythrine, small pale yellowish-white grains, from Beach, The Floors, Bud S.
→ BMS MM coll (2265)

RSN(2001) 39, 13. Visit. ~1 ml from B.S. car park, nodules in cliff face some w. yell microls w. green fluorescence

RSN('02)40, 30. Visit (9/01) Beach (after last year knew where & what to look for). Fresh rock falls → "fisheye" nodules. One almost entirely coated w. powdery erythrite; also lavend, chalcocite, covelline, volborthite, ?-arag + other yellow, green, brown & black minerals.

G. Towning, BMSN (7/04) 67, 9-10. "Littleham Cove" Concretions in mudstone cliffs @ SY 040 802 – 053 813. Access. Coffinite, tyuyam, meta tyuyam, ?zeunerite (a micro); roscoelite; ?volborth; erythr; ?arsenopyr trillings; mal; chalcocite; covelline; cupy; calcite, arag, nat Cu, nat Ag; ?cerargyrite pyrolus dendr; ?atacamite.

BUDLEIGH SALTERTON, Devon (V)

Cryst. Vine Cat (7/04) Huemulite, bright mustard-yell druse in black cone $[Na_4 Mg V_{10} O_{28} \cdot 24 H_2O]$, from LITTLEHAM COVE

D. Green et al (2008) J. Russ. Soc. 11, 54-58. At LITTLEHAM COVE, SY 039 803 V-nodules ("fish eyes" locally) have volborthite, yellow-green to yellow-brown to orange-brown spherules to ~ 0.4 mm in fractures & cavs in dark nodules to ~ 50 mm across (photo).

1" 187 SX 74 62

BULKAMORE MINE, Rattery, Devon

C. Rogers (1968):- Siderite; magnetite; pyrite.

Wh. BULLER, Buckland Mon., Devon

See DEVON Wh. BULLER

1" 187 SX 487 696 S 77

BULLER & BERTHA MINE, Buckland Monachorum, Devon

See also E. BERTHA MINE; DEVON Wh. BULLER.

JC(1871) 67 (Cu) Chalcopyrite

Dines (1956) 701 Trial a mile ENE of Eastern Sh. of Lady Bertha Mine. Closed 1855, reopened 1861 for short period. Dumps have veinstone of quartz & chlorite, with arsenopyrite, pyrite, some siderite.

1" 187 SX 741 668

BULLY CLEAVES QUARRY, Buckfastleigh, Devon

RWB BC 7/74 Wkg lst q'y
vg Arag (like Fri<but Fluoresc peckle
blue in UV LW) Calcite rh'hedra,
siderite, dolom. Ca φ after
arag. Micac haem.

1" 175 ~ SX 680 820

BUSHDOWN MINE, Chagford, Devon

See also BIRCH TOR & VITIFER M., etc.

Dines (1956) 720-3; map, p 722. NW of main road. Surface workings on lodes with cassiterite & spec. haematite. Part of BIRCH TOR & V. complex

1" 167

BUTTSPILL MINE, Beer Ferrers, Devon

See TAMAR VALLEY MINE

1" 163 SS 6046

BUZZACOTT MINE, Combe Martin, Devon

PFC, PMMCJ (1973)[1] 6 Probably adits nr Buzzacott House [601462] 1m E of church. Worked for Ag-lead, 1874-6

CALLACOMBE MINE(S) Marystow, S. Devon. S 54

See also E. CALLACOMBE MINE, Lamerton.

JC (1871), 66. (Cu, Zn). Blende; chalcopyrite.

See COLLACOMBE MINE

CALLEY'S IRON PAINT M., Devon

See BRIXHAM

1" 176 SX 83 83

CANONTEIGN MINE, Christow, Devon

See EXMOUTH MINE

BM 1938,330 Linarite, xline in quartz rock. (A.W. Soble & Miss M.T. Hake, pres. 1938)

?= CANONSTEIGN Shaft of EXMOUTH MINE (q.v.)

1" 175,187 2½" Tavistock, 402754 SX K 51

CAPUNDA MINE, Sydenham Damerel. Devon

OS 6in map: Cu mine

Dines (1956) 662 = DEVON HAPUNDA. Adit; shafts. Veinstone rare on dumps. — vein quartz & chlorite with chalcopyrite; fragments of granular mixt of pyrite, blende & galena. Some vein qtz is gozzany & vughs have zoned clear & white quartz xs up to 1" across.

1" 175

SX 45 77

CARDWELL MINE, Lamerton, S. Devon. S 59

JC(1871) 66. (Mn, wkg.). Psilomelane, pyrolusite.

1" 175, 187 SX 432 795, 797

CARDWELL MINE, Milton Abbot, Devon

Dines (1956) 717. Shaft 40 yd NW of Cardwell Fm., surface workings 150 yd SW of it. Chert with black [Mn] oxide stains. Output 1867-8 included w. CHILLATON & HOGSTOR

GS 6" MS map (1908) Dev 97SW shows "Old shaft" at Cardwell

1" 175, 187 2½" Tav. 413766 SX

WHEAL CARPENTER (TV), Sydenham Damerel Devon 16

Cu mine. (OS 6in map)

Dines (1956) 662 = WEST COLLACOMBE

Quartz-chlorite with chalcopyrite, pyrite, blende, later calcite

Output includes lead ore & silver

1" 175, 187 SX 418 754

CATSBRIDGE MINE, Lamerton, Devon.

OS 6in map: Cu mine

Dines (1956) 663 2 shafts, small dumps.

Quartz, pyrite, blende.

1" 175, 188?

SX

CAWSAND VALE MINE, Milton Abbot, S. Devon. S 57

JC(1871), 66. (Cu, working). Chalcopyrite.

SX 47 or 48?

1" 175 SX 70 87
S. 101

CHAGFORD, Devon

See also GT. WEEK M., etc.

TMH (1868), 58 School in granite

1" 163 SS 6/7 4/3

CHALLACOMBE MINE, Challacombe, Devon.

PFC, PMMCJ (1973) [1] 6. Exact loc. unk.
Iron mine, mid 1870's. [Challacombe village, 6940]

1" 163 SS 585 473 e to W.

WEST CHALLACOMBE MINE, Combe Martin, Devon.

See also COMBE MARTIN etc.

Dines (1956) 758. ½ ml N by W of Combe Martin Mine, Ancient

PFC, PMMCJ (1973) [1] 5. At 585 473 e surrounding area to W. Shafts 200 yd S of W. Challacombe Fm Shaft below Lester Cliff. Adits in cliffs at Lester Point e under Little Hangman. Ancient workings for Ag-lead. Fired ca 1844, 1855(?), 1864 for a few years; 1873-8 for lead e iron

Wh. CHARLES, Charles, Devon

See ORESTONE M.

1" 175 SX 43 81

CHILLATON Devon

See also CHILLATON & HOGSTOR M

R Taylor's Cat. 44 (1969) Bementite, rich brown masses in matrix, from "near Chillaton". "Prob. a new loc." Rhodochrosite with tephroite → "Chillaton"

Chillaton, Devon

Rayner's Coll. (1960).
Manganite.

1" 175 SX 43 81 SX 431 812 6" Devon 97 NW (1909)

CHILLATON and HOGSTOR MINE, Milton Abbot, Devon. K 55

See also CHILLATON;

Mn Mine. Details on GS, MS 6" map (1908) Dev 97 NW

AR, MM (1946) Biggest Mn mine; worked 1858–1907.
Pyrolusite & rhodochrosite, but no rhodonite
(see Spec Rep. Mm. Res, 1, (1915))

JC (1871), 66. "Chillaton" (Mn) Psilomelane, pyrolusite
"Hogston" (Mn) Psilomelane, pyrolusite.

MA 14 28: Toll, Min'g Mag (1958) 99 17. Mn mining near CHILLATON & BRENTOR. Mn occurred as pyrolusite, psilomelane & occas. rhodonite in irreg masses with chert.

Rayners Cat (1960) Manganite

Dines (1956) 715-6. Includes HARRIS & NARRACOT M's (ToW).

Main Mn producer in the area; on steep W bank of valley. Shafts on hill, adits in valley; eg LOWER BOUNDARY SH 780 yd SSW of inn at Chillaton, To Hogstor Deep Adit (50 fms), portal 105 yd E of sh. Chillaton Deep Adit (90 fms) portal nr river 190 yd ENE of the shaft. Other sh's & adits. Closed 1907

Mn ore in strings & bunches in chert beds. Mainly pyrolusite; larger masses have kernels of rhodonite or rhodochrosite (cf. A.R., MM (1946)). One trends ESE, dips ~ 45° NNE. Ochre.

To W are HARRIS M., shaft 240 yd WNW of, and NARRACOT M., shaft 210 yd W by N of, Lr. Boundary Sh. Another sh 600 yd W of Lr. B. Sh., & 2 others and an adit to N nearer Chillaton village. — NO records.

East CHILLATON MINE, Brentor, Devon

See BOWDEN COMMON MINE

CHINTER M., Devon

See BRIXHAM

~ SX 78 38

CHIVELSTONE Devon

J. Brooke, Plym MMCJ (1975) 6 [3] 7-8 lists iron mines: EAST PRAWLE, PRAWLE (both "brown haematite".

CHRISTOW, Devon

See also FRANK MILLS M.

Cryst Vine Cat (7/04) Quartz, small long thin xls in vug in quartzite — POOKS Q'y.

CHRISTOW SILVER-LEAD MINE, Christow, Devon

See BENNAH MINE.

1" 188, 176 8679 SX 86 79

CHUDLEIGH, Devon. S. 141

JC (1871), 69. Apatite. petroleum; psilomelane; tourmaline (schorl); "kalinite" (= alum).

TMH (1868), 58 Granite, e Dev. lim. — Ditto —

Parkinson's Cat. (1959). Dolomite, delicate pink rhombs in vughs. Pyrite in single pyritohedra, with micaceous haematite.

GeL (1858) Petroleum, alum in clay.

~ SX 90 56

CHURSTON Fe Mine, Churston Ferrers, Devon

J. Brooke, Plym MMCJ (1975) 6 [3] 7-8.

Iron mine working 1864. Output not recorded

CLEAVE AND BIRCH MINE, Bere Ferrers, Devon

See SOUTH TAMAR MINE

1" 175, 187 SX 450₃ 730₀

COLCHARTON MINE, Tavistock Hamlet, Devon

OS 6in map: Cu mine

Dines (1956) 667 = DEVON-e BEDFORDM.

Trial, In line with Main Lode of Bedford Utd.

Quartz, arsenopyrite, pyrite, galena, occasional copper carbonate stains.

1" 187,175 SX 42-43 770

COLLACOMBE MINE, Sydenham Damerel

Devon

Dines (1956) 662-663. = COLLACOMBE DOWN.
Includes Wh. GRACE [424770], Wh CONQUER [431770] & DEVON MINE [434770s].
Quartz-chlorite; blende, chalcopyrite, pyrite; galena [Wh CONQUER].

JC (1871) 66 "CALLACOMBE MINE" (Cu, Zn).
Blende, chalcopyrite

1" 175, 187 SX 44 77

E. COLLACOMBE MINE, Lamerton, S. Devon. S.58

See also COLLACOMBE MINE, Marystow

JC(1871) 66. (Cu, wkg.). Chalcopyrite. "E. CALLACOMBE M"

Dines (1956) 663 E. COLLACOMBE.
Trial, 550 yds E of DEVON M. Dump slaty, traces pyrite, chalcopyrite

WEST COLLACOMBE MINE, Sydenham Damerel. Devon

= Wh. CARPENTER [q.v.]

1" 187 SX 700 6815

COMBE COPPER LODE, West Buckfastleigh, Devon

[See also BROOKWOOD M.]

Dines (1956) 739 Copper lode, worked opencast on N side of Mardle valley 400 yds SW of Scorriton in metam Devonian killas 1 ml from granite boundary. Opencast 100 yds long, 50 ft deep, grassed over. Country rock tourmalinised. No records of nature or output.

BMS Newsl (2000) 56 6-7 BMS Coll. from Don Blake :-

"Brookwood mine. SX 697 681" Spec's 2208–2212

Fluorite, erythrite, tyrolite, sphalerite, muscovite.

1" 163 SS 701 285

COMBE LEAD MINE, South Molton, Devon

See SOUTH MOLTON MINE

BM: Wurtzite, brown, intergrown with sphalerite – "Combe Lead mine, South Molton, Devon."

Dines (1956) 760 = S. Molton M (q.v.).

1" 163 SS 628 466

COMBMARTIN CONSOLS MINE, Trentishoe, Devon

PFC, PRMMCJ (1973) At 628466, approx on line of N Devon Iron lode. Closed 1856. Silver-lead mine, working ~1846, 1853-6. Adit on N of stream, shafts to NW

1" 163 MINES, SS 59 46-7 N 2

COMBE MARTIN, Devon. (I)

See also WEST CHALLACOMBE; KNAP DOWN M.; BERRY MINE.

Rutley, 15th. Ed., p. 203, millerite; p. 210, tetrahedrite.

JC(1871) 70 (PbAg) Aragonite; stibnite; blende; calcite; chalcopyrite; azurite; fahlerz (tetrahedrite); galena; haematite; malachite; marcasite; millerite; pyrites; rock xl; silver; umber; yellow ochre.
— "Combmartin Mines"

TMH(1868) 58 Dev. Aragonite; blende; calcite; fahlerz; galena; haematite; marcasite; millerite; pyrite; rock xl; silver; chalcopyrite; umber; yellow ochre.

Dines (1956) 757-8. Ancient mines: COMBE MARTIN MINE, W. CHALLACOMBE MINE; KNAP DOWN MINE; BERRY MINE. Records start in 1293!

COMBE MARTIN MINES: Quartz, siderite; galena; blende; chalcopyrite, rarely stibnite; millerite. In gozzans: covelline, malachite, azurite, filaments of nat. silver.

COMBE MARTIN MINE itself: 3 lodes. 350 yds NE of St Peter's Church.

BSWB (8/66) 5 43 Shale dumps, mined chimney at 598467 Quartz-siderite veinstuff; small amounts galena, sphalerite; chalcopyrite

COMBE MARTIN MINES, Combe Martin, Devon (II)

PFC, PMMCJ (1973) [1] 5. OLD COMBMARTIN MINE - a silver-lead mine spread over much of Umber valley in middle of village. Main workings on NE side of valley, E of the church. Workings date back to 13th Cent. Worked by Sir Bevis Bulmer, 1587 → ≈ 1594 (as FAYES MINE). Reopened briefly, end of 17th Cent. Reopened 1790-92; 1813-17; 1835-48; then by individual tributers occasionally. In 1876 that part around HARRIS' SHAFT (5887 4654) reopened by Combmartin Silver-lead Mining Co. Closed 1880

PMMCJ (1974)[1] 9. FAYES MINE = that part of OLD COMBMARTIN MINE at work 1587-94

COMBE MARTIN, Devon (III)

R. Soc. N 23 (1992)

Combe Martin and Bampfylde, N.Devon
14th-15th March 1992

After a brief historical talk on the silver-lead mines of Combe Martin, Peter Claughton led our party of eight members and two guests around the village pointing out the site of the smelt mill, adits and shafts, all of which are now inaccessible. However, one highlight of the meeting was the investigation of Williams Shaft which is presently being excavated by a group of local mining enthusiasts. Some of our party descended the shaft by a series of ladders to a depth of approximately 30m, the shaft being flooded at this depth. Excavations on the surface have revealed the foundations of the engine house and attendant flues and the chimney of which only the base remains.

Samples of galena and ankerite were found in the excavated rock debris. With daylight fading we then examined coastal vein outcrops where representative samples of galena and sphalerite were collected. (Wot, no phosgenite?! Ed.)

1" 163 SS 608 296

EAST COMBE MINE, Swimbridge, Devon

PFC, PMMCJ (1973)[1], 7; (1974)[1], 10. At 608 296.

=COOMBE VALLEY CONSOLS. Shafts 150 yd SE of Hannaford Bridge. Worked for Ag-lead mid 19th cent.

1" 163 SS 5 3-4

Little Wh. COMFORT, Braunton, Devon.

PF Claughton, Plym MMCJ (1973)[1], 5. Worked for Mn, 1876. Position unknown — probably = FULLABROOK M. [q.v.] SS 51 39

PFC, PMMCJ (1975)[6] 4-5 = FULLABROOK = Huel COMFORT = LITTLE Wh. COMFORT ; (?) = Wh. MARGARET

SX 84 4 7

CONCORD MINE, S Sydenham, S. Devon. S. 56

JC(1871), 66. (Pb, Ag, Cu). Chalcopyrite, galena.

COOMBE MINE, South Molton, Devon

See SOUTH MOLTON MINE

COOMBE VALLEY CONSOLS, Swimbridge, Devon

See EAST COMBE MINE (=)

1" 175, 187 SX 427 770

Wh. CONQUER, Sydenham Damerel, Devon.

See also Wh. GRACE; DEVON MINE.
Part of COLLACOMBE MINE [qv.]

Dines (1956) 663 Quartz-chlorite; blende, pyrite, galena

1" 175 SX

COPPER HILL, Okehampton, S. Devon. S 44

JC (1871) 66. Axinite; garnet.

Dewey Cu (1923) 2. Small quantities Cu ore raised Okehampton SX 59, 69

1" 175 SX 478 854

CORYTON MINE, Lewtrenchard, Devon

Dines (1956) 714. Two one bodies → 10' thick dipping 3° N — Upper & Main Lodes — developed from X-cut adit from N of stream, 500yd NE of Eastcott Fm. Driven 100 fm NNW to Main Lode. LADDER Sh. 140 yd NW of adit portal. 2 trial shs 600yd WNW of mine, at N edge of Eastcottdown Plantation.

Output for 1867-8 given with CHILLATON & HOGSTOR [∴ presumably Mn mine]

BVC spec → RS40B 6/81 Black botry

IR = Hollandite group

1" 163 SS 607 384

COTT QUARRY MINE, Shirwell, Devon.

See also SHIRWELL

PF Claughton, Plym MMCJ (1973) 4 [1] 5.

At 607384. Adits in small q'y, worked 1874-5 for Mr.

1"163 SS 7 5

COUNTESBURY MINE, Countisbury, Devon

PFC, PMMCJ (1973) [1] 6. Near Waters Meet;
exact pos'n unk. Fe, 1874.

1" 163 SS 5622

COURT BARTON, Yarnscombe, Devon

See also YARNSCOMBE

PFC, PMMCJ (1973)[1], 4. Unk loc. unnamed lead mine reported to be near Court Barton

1" 187

SX 47 71

S 64

Wh. COURTNEY, Tavistock, S. Devon

cf. DEVON & COURTNEY

VC (1871), 67 (Cu, wkg). Chalcopyrite

1" 175,-187 5x 452721-464725

WHEAL CREBOR, Tavistock Hamlets (I) K 27

~~Little map, 17.~~ See also W.Wh.CREBOR, E.Wh.CREBOR. TAVISTOCK CANAL TUNNEL

BM: childrenite, with chalcopyrite. [W.Wh.Crebor?]

Rutley, 15th. Ed., p.206, coprite

AWGK: Childrenite, small xls on qtz-chlorite matrix, but fine sunny day needed to see them! – West Wh. Crebor.

JC(1871)67 (Cu, wkg). Bitumen; chalcopyrite; chalybite; childrenite; chlorite; copper

TMH(1868)60 Slate. (Cu). Bitumen; chalybite; childrenite, copper.

Rudler (1905) 72 Childremke

OS 6in map: SX 452721-464725. Line of shafts, eg GILL's Sh. at 455721; RUNDLE's Sh, at 452721; KELLY's Sh, nr. 460723.

Dines (1956) 671-673 Includes W. Wh. CREBOR
e workings from TAVISTOCK CANAL TUNNEL
Main Lode, e South Lode ≈ E 20°N, prob E
extension of S Bedford e Luscombe lodes.
W. Crebor less extensive than Wh. Crebor
e separated by 170 fm ground, crossed
only by the Adit Level.
In Wh Crebor section, Main Lode worked

Wh. CREBOR, Tavistock Hamlets, Devon. (II)

by 5 sh's., W→E:- Kelly's (120 yd SE of Buctor); Smiths (100 yds E by N of Kelly's); Cocks, (220 yd E by N of K's) Incline, just SW of Cocks, slope 35° W to 54 fm Level, e ~~portraise~~ close of Tav Canal Tunnel portal; Cock's Sh, 370 yd W of R. Lumburn.

Chalcopyrite, arsenopyrite, minor cassiterite in vughy quartz with later galena, siderite & pyrite.

Mine discov'd in Tav Canal Tunnel; started 1810.

B. Cooper (9/77) Francolite, found by P. Golley (12/76)

1" 187 SX 478 727.

EAST Wh. CREBOR, Tavistock Hamlets, Devon.

See also Wh. CREBOR; W. Wh. CREBOR.

Dines (1956) 691-2. Prob. = EAST CROWNDALE M.

Two lodes E 5°N, 15 fm apart (North; South) worked from Engine Sh., 340 yd S by E of Brook Mill, on the Tavy. ≈ 80 yd S of Eng. Sh., 3-4 shafts for 150 yd EW, just E of Crowndale mine & prob. on same lode.

Output: E. Crebor 1881. Cu one; arsenopyrite E Crowndale, 1852-4, 1869. Cu one.

NORTH Wh. CREBOR, Tavistock, Devon

See Wh. CRELAKE

1" 187,175 SX 46$_5$ 71$_5$

SOUTH Wh. CREBOR, Tavistock Hamlets, Devon (I)

= NEW EAST RUSSELL MINE

Dines (1956) 676. New E. Russel = S. Crebor.

Adit portal 60 yds W of R. Tavy, 610 yds S of Shillamill Bridge. Driven W 360 fms to Main Lode (≈E 10–15° N). Shafts, etc. 20 fm level said to extend E (under river) & link with DEVON & COURTENAY MINE. An elvan dyke present.

Lode has chalcopyrite; arsenopyrite occasionally; pyrite; quartz-chlorite gangue. In one part ochreous gozzany quartz with "copper carbonates and oxides". A little sphalerite; siderite; only traces cassiterite.

Closed before 1870. Reprospected 1923 - unfavourable.

14 Loc E

B. Cooper. Priv Comm 9/11/75 Entered via level recently dug open. Childrenite - bipyr also long prismatic, colourless discovered underground, assoc. with chalcopyrite, native copper, branching x/s altering to brochantite and blue to white micro-radiating crusts of chalcoalumite [IR, RSWB; X-ray BM]

Roy Starkey Priv Comm 2/85 the blue spores are carbonate-cyanotrichite (BM X-ray)

JC (1871) 67. NEW E. Wh. RUSSELL (Cu, working). Chalcopyrite

CF Barclay & RW Toll (MS) "South Crebor Mine" Visited 1922, worked by them on tribute Dec 1922 & Jan 1923. Description; history; map, plan, section

SOUTH Wh. CREBOR, Tavistock Hamlets, Devon (II)

RSMOB 76-207, Coll. u'ground by BVC, 10/76, is a nice T/N with brochantite, chalcoalumite, carbonate-cyanotrichite and late-generation microcrystalline apple green mineral, with IR indicating SO_4^{2-}, OH^-, H_2O, no CO_3 (v. peaky spectrum related somewhat distantly to that of brochantite. Microchem on apple-green indicates Cu, Ca; NO Zn, Pb or Cl.

G Ryback. Spec ex R. Taylor IR (1990) K 809 Cyanotrichite (apparently CO_3^{2-}-low), sky-blue outer skins of chalcoalumite spherules

6 June 1993 New East Russell, Devon

RSN (1994) 24

Luckily only three Russell Society members turned up for this underground trip, why 'luckily' will be revealed later. After kitting up by the side of the local rifle range, and being told that it would be best to return to grass only at lunchtime, we proceeded up the adit. Eventually reaching the collecting area at the far end, hammering commenced in the copper secondary stained side wall; brochantite, native copper and childrenite being collected. Having been warned that the air was bad at the far end, we soon left Steve Hall there to collect for us all and retreated to spots nearer the entrance; we did keep checking up on him though. Chalcopyrite with brochantite secondaries was collected from a stope in the roof and nicely stained aragonite from a side drive. After about three man-hours of work Steve returned to us saying that he had left the end because his lighter would no longer light. Deciding we'd had enough, we started to leave when we met a couple 'videoing' abandoned mines, and recording radon levels; who promptly informed us that the radon level was also high - possibly not a good location for a further Russell Society trip.

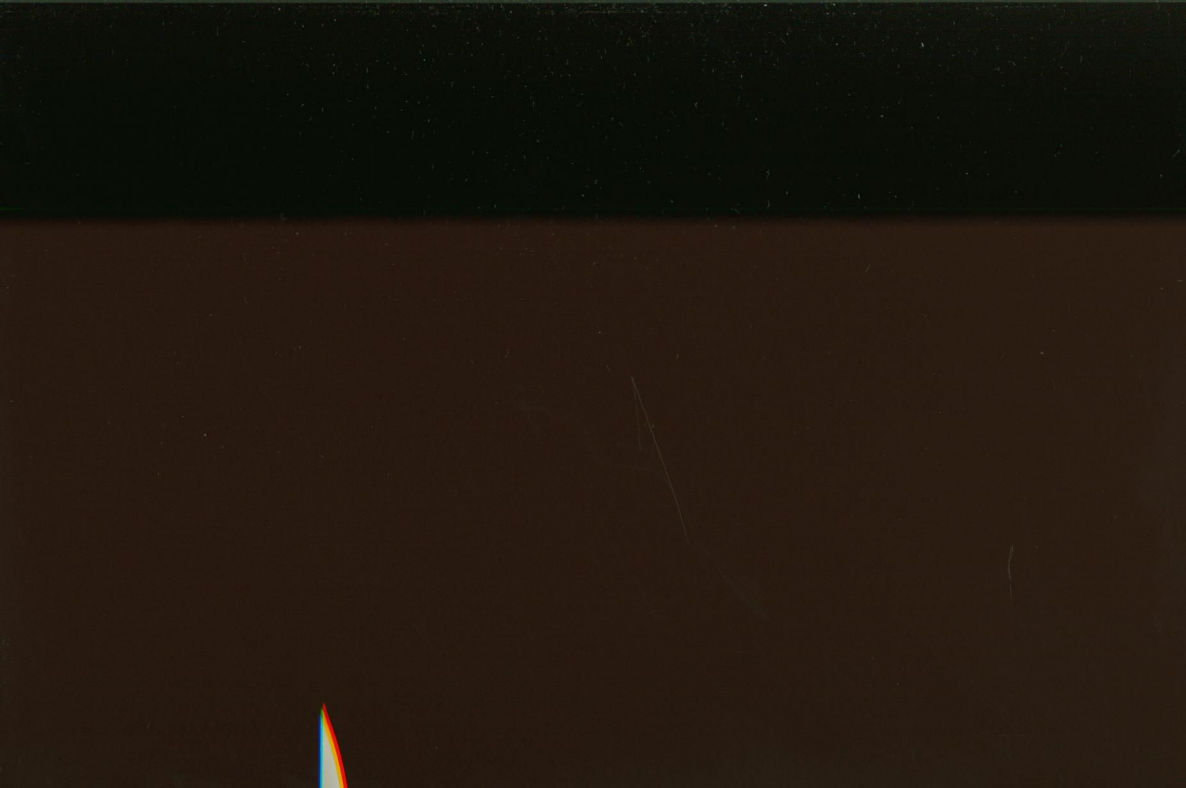
Alan Jeal

SOUTH Wh. CREBOR, Tavistock Hamlets, Devon (III)

Info from W. Bolton 8/98: MA Vincent coll blue spherules in 1987; had EDAX done (9/87) [RSoB has copy – shows only Ce, Al, S; NO Si, K, Na ∴ NOT ajoite; prob. chalcoalumite or $(CO_3?)$-cyanotrichite]. Claims BM say it is ajoite. Obtained info from GR[illegible] N. Carruth coll material from small pod in roof of "E. Wh. Russell" in 1987 – bright blue crusts. phot'd → Lapis (1994) 19 [?] p 45. BM(NH) RD 6510 F = close to ajoite. One in BMNS coll: 1367. (donated P. Braithw, obtained from M. Vincent of Par who had coll. it from "E. Wh. Russell"

[Not necessarily same material!!]

PTO



SOUTH Wh. CREBOR, Tavistock Hamlets, Devon (III)

Info from W. Bolton 8/98: MA Vincent coll b/lue spherules in 1987; had EDAX done (9/87) [RSoB has copy – shows only Ce, Al, S; No Si, K, Na ∴ NOT ajoite; prob. chalcoalumite or (CO₃?)-cyanotrichite]. Claims BM say it is ajoite.

Obtained info from GR" N. Carruth coll material from small pod in roof of [redacted] "E. Wh. Russell" in 1987 – bright blue crusts. photo'd → Lapis (1994) 19 [9] p 45. BM(NH) XRD 6510 F = close to ajoite. One in BMNS coll: 1367. (donated P. Braithw, obtained from M. Vincent of Par who had coll. it from "E. Wh. Russell"

[Not necessarily same material!!]

PTO

PTO

As BMMS 1367 is from M Vincent, it is from S. Wh. Crebor, but Vincents EDAXED spec. is NOT ajoite.

N. Carolina material (BM ≈ ajoite) is prob. from S. Crebor but just might be from E. Wh. Russell !!

GR informed me that his contact with W.B. was by telephone. The BM(NH) x-ray result was actually "= AJOITE + near-carbonate-cyanotrichite" and the spec. is labelled as from New E. Wh. Russell [= S. crebor]

1" 175, 187 SX 450$_5$ 719$_5$

WEST Wh. CREBOR, Tavistock Hamlets, Devon.

See also Wh. CREBOR; E. Wh. CREBOR, TAVISTOCK CANAL TUNNEL

AWGK, Priv. comm. Childrenite, small x/s on quartz-chlorite matrix, but fine sunny day needed to see them!

AR MM 21 Cumine. Many childrenites found

Dines (1956) 671-3 Part of Wh. CREBOR from which separated by 170 fm ground, worked only by Adit Level.

Main Lode worked from Rundle's Shaft, 60 yd S of Hurlditch Horn, and Gill's Sh., 280 yds to E

connected by Shallow Adit (51fm) & Adit (63fm) Levs. South Lode worked by X-cuts from Main Lode Dumps have quartz, chlorite, arsenopyrite, pyrite. Output included copper ore.

RW Tolle CF Barclay MS of Visit in 1922
Arsenopyrite, chalcopyrite, quartz

BV Cooper 8/78 says J Gliddon has found apatite at W. Wh Crebor

1" 175, 176 SS 50, 60, 70, 80, 90. SX 79, 89, 99

The CREDITON TROUGH, Devon

Cameron, D.G. et al (1994) BGS Tech. Rep. WF/94/4
"Exploration for gold in the Crediton Trough, Devon. Part 1 - regional surveys" (MA 95M/1929)

Geochem surveys show Au in numerous locs on the Permian outcrop. Similarities with the S Devon area suggest similar origin. Other anomalies for Mn, Zn, Sn, Cu, Pb. Cinnabar is reported for the first time

1" 187 SX 478,736-7

WHEAL CRELAKE, Tavistock, S. Devon. K 31

Little map, 18.

JC(1871) 67 (Cu, wkg). Chalcopyrite

Dines (1956) 690-1 Main Lode (Cu/As) E 5°N, intersected by X-courses ≈ N 30°W – one, in E part heaves lode ≈ 100 fm e carries lead ore. Main Lode crosses Tavy valley. Davey's shaft 120 yd SE of West Bridge. Air sh. 216 yd W of Davey's sh. No adit. Lead Lode ≈ 150 fm E of Davey's Sh.

Dumps overgrown e obscured.

Output:- Lead ore (13.5 oz Ag/ton); copper ore. A record of Cu ore 1829-35 from "NORTH CREBOR" is prob. from here.

1" 163 SS 738 318

CROWBARN MINE, North Molton, Devon.
See also BAMPFYLDE M.

PFC, PMMCJ (1973)[1] 7; (1974)[1], 10. Adits & 1 Opencasts on W side of Mole Valley S of Hearsley Mill, at 738 318, for iron. Opened for gold 1853-4; for iron & manganese from 1873 in conj. w. BAMPFYLDE M.

Dines (1956) 761 On E extension of BARTON deposit, (½ mi to W). Lode E 10°S, worked opencast. Comby quartz; massive limonite & goethite

1" 175, 187 SX 470724 – 472724

CROWNDALE MINE, Tavistock, S. Devon. S 65

JC (1871) 67 . (Cu). Chalcopyrite; marcasite
TMH (1868) 60 (Cu) Marcasite

OS 6in map: Cu mine.

Dines (1956) 673–4 On E extension of Crebor mine lode. Quartz, speckled w. x/s of chalcopyrite, pyrite, & arsenopyrite. Yellowish fluorite. A small quantity cassiterite produced.

EAST CROWNDALE MINE, Tavistock Hamlets, Devon

See E. Wh. CREBOR

EAST CROWNDALE MINE, Tavistock Hamlets, Devon

See E. Wh. CREBOR

1" 187 SX 479 72.

SOUTH CROWNDALE MINE, Whitchurch, Devon

Dines (1956) 692. 1¼ ml S of Tavistock. Engine Sh. 850 yd S by E of Brook Mill, on lode E 22° N towards Rixhill M

Copper ore recorded, 1811.

SX 760 764.

CROWNLEY PARKS MINE D'mor Devon

RC Scrivenor, BV Cooper, OA Baker. Proc Ussher Soc (1971) 4 [1] 7-10. Arsenopyrite, Sphalerite.

SX 672 723

Wheal CUMPSTON D'moor Devon

RC Scrivenor, BV Cooper, OA Baker. Proc Ussher Soc (1977) 4 [1] 7-10.

Chalcocite, quartz, purple fluorite.

1" 88 SX 928 628

DADDY HOLE, Torquay, Devon

Ussher, WAE (1903) Geol of the Country around Torquay, Mem GS Eng & Wales.

"Traces of gold in the calc-spar of the fault-rock on the S side of the quarry on the east side of Daddy Hole"

1" 187 SX 76 or 77

DART UNITED MINE, Ashburton, Devon. S 127

JC(1871) 69 (Cu) Chalcopyrite

U O 1" 176 SS 02 07

N 25

COLLUMPTON, N. Devon.

JC(1871) 70 Authracite "Collumpton"

1"OS 176 "Cullompton" SS 0207

1" 175, 187 SX 5-7, 5-9

DARTMOOR, S. Devon. S 97

See also SHEEPSTOR; VIXENTOR,

JC (1871) 68 ?Andalusite; cassiterite; garnet; haematite; hornblende; tourmaline.

TMH (1868) 58 granite. Andalusite; cassiterite; garnet; haematite; tourmaline

BMS Coll (D. Blake) 2395 Schorl, HEXWORTHY; 2397 Schorl, RUDDY CLEAVE BR.

1" 176, 188 SX 9676

DAWLISH, Devon. S 140

JC (1871) 69. Calcite; murchisonite (var of orthoclase)

TMH (1868), 58 Murchisonite, in NRS.

1" 175, 187 Sx 434 771
431 7705

DEVON MINE, Lamerton, Devon.

See also Wh. CONQUER, Sydenham Damerel.
Part of COLLACOMBE M. [qv]

OS 6in map. Big dumps shown at 434771

Dines (1956) 662-3 Quartz-chlorite; blende
chalcopy, pyrite

1" 187 SX 76 or 77

NEW DEVON MINE, Ashburton, Devon S 125

JC (1871) 69 (Cu) Chalcopyrite

DEVON & BEDFORD MINE, Tavistock, Devon

See COLCHARTON MINE

1" 187 SX 500-515 67o S 79

DEVON Wh. BULLER, Buckland Monachorum, Devon.

See also BULLER & BERTHA MINE

JC (1871) 67 (Cu) Chalcopyrite

Dines (1956) 702. = S. ROBOROUGH DOWN M.,
= Wh. BULLER = DEVON Wh. BULLER.
Old workings for ≈ 1 mile along EW copper lode, ½ mi W of Yelverton. Old sh's & dumps 200 yd W & 300 yd E of Stokehill & old crop workings across Rob. Down SW of Yelverton Stn. Cu ore 1855-61

1" 187 SX 517 746

DEVON BURRA BURRA MINE, Whitchurch, Devon

See also SURPRISE MINE

Dines (1956) 691 = GATEPOST MINE.

White's Sh, 230 yd ESE of Moorshop X-roads
Whitburn Sh., 470 yd SSW of White's.
Three SE lodes:- North or Brake, Middle, & South lode. Cross courses.
Dumps of red & buff shales with chlorite & tourmaline-peach veinstuff.
Copper ore output 1863-73.

I" 187 SX 4 7

NEW DEVON CONSOLS Sh., Tavistock Hamlet, Dev.

Dines (1956) 653. On valley slopes. Connects w. Latchley Consols [Cornwall] (q.v). Quartz-chlorite peach with strings of chalcopy. & arsenopy. Some later blende.

1" 186 SX 395 738

W. DEVON CONSOLS, Tavistock Hamlet, Devon

Dines(1956)[651] = LAMERHOOE = DEVON St. MARIA

In sharp bend of Tamar between Luckett & Latchley. 4 EW lodes. Shafts, adit.

Small dumps. Quartz, pyrite, chalcopy. arsenopyrite; blende on one dump; cassiterite reputed.

1" 187 SX 45-46, 70

DEVON & CORNWALL UNITED MINE, Tavistock, Devon. S 66

See also GEORGE & CHARLOTTE MINE.

JC (1871) 67 (Cu, wkg) Stibnite; bismuthinite; chalcopyrite; childrenite; chlorite.

TMM (1868) 59. Bismuthinite; childrenite; chlorite.

AWGR, RGSC (1952): GEORGE & CHARLOTTE MINE, Callington (K.Y.) was part of DeC UTD.

Rudler (1905), 72. Childrenite, quoted from GEORGE & CHARLOTTE MINE and from DEVON & CORNW. UNITED MINE.

Dines (1956) 676-7. Includes GEORGE & CHARLOTTE and WILLIAM & MARY M. Main Lode, E 10°N for

ca 1mi from Tamar to Tavy. G & S on W end, & W & M on E end – separated by ≈ 100 fms unexplored lode.

Quartz, chlorite, chalcopyrite, pyrite

1" 175, 187 SX 472 717 (Eng sh)
467-9 717

DEVON & COURTENAY {CONSOLS MINE, Tavistock, Devon. S 67

VC (1871) 67 (Cu). Chalcopyrite; copper; galena.
TMH (1868) 59 Dev. Slate. —Ditto—

"DEVON & COURTENAY MINE"

OS 6in map: Cu mine

BM:- childrenite; DEVON & ~~COURTNEY OR~~ [sic] WILLIAM & MARY [q.v.] BVC's error

Dines (1956) 693-4 DEVON & COURTNEY CONSOLS.
Includes BIRCHWOOD MINE.
Adit & 4 small shafts (Derrick, Carthew's, Gossan, Sprague's) in Birch Wood on steep

E slopes of valley. Engine Sh. is on high ground midway between E edge of wood & Tor Farm [ie 472 717]. Adit on Main Lode E 30°N
Cross courses.
Eng. Sh. dump has siderite; green & purple fluorite, galena (prob from a x-course) and chalcopyrite, pyrite, arsenopyrite (prob from Main Lode)
Barclay et al explored adit 1919, 1921:—
pyrite, chlorite, quartz, arsenopyrite, specks of chalcopyrite

1" 176, 188 SX 81 78

DEVON Wh. FRANCES, Bovey Tracey, Devon S 111

JC (1871) 69 (Cu, wkg). Chalcopyrite

1" 175

~~Sx Around 50s 79~~ 3

DEVON FRIENDSHIP MINE, ~~Tavistock (Mt~~ Mary Tavy), Devon.

See ~~[illegible]~~ Wh. FRIENDSHIP; ~~W. Wh. FRIENDSHIP~~

OS 6in map: Sn, Cu, & mundic mine

PMMCJ (1972) 3 [3] 19 Field trip: good erythrite on dumps

1" 175, 187 2½" Tav. 4273-4373 9x K 47

DEVON GREAT CONSOLS MINE, (I)

Blanchdown Wood, Tavistock Hamlets. Devon

Cu/As mine. See also E. DEVON Gt CONSOLS (S 68)

Rutley 15th ed., p205. copper; p207; chalcopyrite Both at "Great Devon Consols, Tavistock"

JC(1871) 67 (Cu, Wkg) Chalcopyrite; copper; arsenopyrite

TMH(1868) "Gt Devon Consols" (Cu) copper; chalcopyrite.

GC Goodridge, Geog Mag (1967) 686 Big Cu mine with promising Sn reserves; was largest Cu mine in Europe. Being evaluated (1967)

(Francolite)
↑
B. Cooper & A. Wright (Spec's → RSWB, 1969) Apatite,
colourless small doub-term x/s on siderite on dumps.
Vvg arsenolite x/s from flues

RSWB (8/65) 4 198-199 Wh. Anna Maria area. Acres
of fines & barren rock. Drusy quartz;
decomp pyrite & arsenopyrite common;
goethite - quartz - siderite gozzan.

Anon. Gems (1973), 5, [2], 9-10. DEVON CONSOLS,
being explored. Good arsenopyrite x/s.,
chalcopyrite x/s; rare Cu minerals.

Cryst. Vive Cat. (7/04) Arsenolite + red x/line realgar

DEVON Gt. CONSOLS M. (II), Devon

Great Crosscourse

Dines (1956) 655-661 Includes (W→E) Wh's MARIA, FANNY, ANNA MARIA, JOSIAH, EMMA; SOUTH FANNY, & WATSON'S MINE on lodes to S.

Main lode, largest sulphide lode in W England, proved ≈ 2½ mls & stoped for nearly 2 mls. Good gozzan down to 20-40 fms. Chalcopyrite, pyrite, quartz, fluorite, chloritic peach, siderite Thick bodies arsenopyrite against walls Traces cassiterite at crosscourse junctions Ochre in output returns.. Traces Au & Ag not recovered

MARIA*:- Retried 1923 for Sn, As – erratic. Cu ore

FANNY*:- Quartz, chlorite, chalcopy, arsenopy
Water stands just below 35 fm level.

ANNA MARIA*:- [No minerals mentioned] Cu ore output
cassit, As soot

JOSIAH*:- Traces cassiterite

EMMA*:- Cu ore; pyrite

S. FANNY*:- Low grade Sn, As ores.

WATSON'S*:- An adit driven N from Tamar ≈ ½ ml W of
Watson's Sh. said to have proved the
lode, with Sn & wolfram.

* Separate Card

1" 175, 187 SX 43 73?

E. DEVON Gt CONSOLS, Tavistock, S. Devon S 68

See also DEVON GT. CONSOLS, (K 47)

JC(1871) 67 (Cu). Chalcopyrite

1" 187 SX 76 – 77

DEVON GT. Wh. ELLEN, Ashburton, Devon. S 124

JC(1871) 69 (Cu, Sn) Cassiterite; chalcopyrite.

DEVON Gt. MARIA MINE, Tavist. Hamlet, Devon

= W. DEVON CONSOLS (q.v.)

1" 175, 187 SX 413 740

DEVON Gt. UNITED MINE, Lamerton, Devon

Cu mine

[gv]

Dines (1956) 654 Includes W.Wh. MARIA & FORTESCUE M. Close to Tamar, opposite Latchley. Arsenopyrite only one on dumps. Output recorded cassiterite; copper ore; pyrite; arsenopyrite. (Output from W.Wh. MARIA & FORTESCUE:- copper ore; cassiterite; pyrite; lead ore.)

[galena (J.C. (1871) 66) chalcopy]

DEVON HAPUNDA MINE Sydenham Damerel Devon

= CAPUNDA MINE, (q.v.)

DEVON IRON MINE, Devon

See BUCKFASTLEIGH

1" 187 SX 46 or 56

DEVON POLDICE MINE, Buckland Mon., Devon. S 80

JC(1871) 67 (Sn, Cu) Cassiterite; chalcopyrite

1" 175 SX 503 766

DEVON Wh. UNION, Mary Tavy, S. Devon. S. 60

JC (1871) 66. (Cu).

Dines (1956) 704 = UNION M. Old copper trial - New Engine Sh. 250 yds SW of Harford Bdge; Old Eng. Sh. 65 yds NE of New Eng Sh., prob. on separate lodes. A level 15 fm down New ES. extends 10 fm E & W, on plan. Small dump of Old ES, of black shale & greenstone with veinstone of copper-stained, quartz veined peach w pale green fluorite encrusting the quartz.

1" 175, 187 SX 516 787

Central DEVON UNITED MINE, Peter Tavy, Dev.

Dines (1956) 708-9. Part of DEVON UTD. M.

E of Tavy, 600 yd SW of Cudlipptown, on E-W Main Central Lode. Sh. 50 yd from river; air sh. to adit, 80 fm E. Adit from N of shaft, as X-cut to S; drives to E (10 fm, 26 fm). Lode 1-3' quartz-chlorite, with arsenopy, a little cassiterite, bunches chalcopyrite. Stringers in X-cut S of lode have qtz, aspy, Cupy.

Reopened for As, 1909-1922

1" 175, 187 SX 520 795

N. DEVON UNITED MINE, Peter Tavy, Devon (I)

Dines (1956) 708-9. Part of DEVON UNITED M's ⊙ = E. Wh. FRIENDSHIP. S of Tavy, 600 yd N of Cudlipptown. Shaft 50 yd from river, dump has cassiterite; arsenopyrite. Adit 320 yd E by N of shaft reopened 1920, cleared 100 fms along poor lode; at end, X-cut 7 fm S to 11[e] lode with arsenopyrite, a little scheelite; no cassit.

Bennet's Lode of Wh Friendship (q.v)

crosses river 400 yd W of Cudlipptown [i.e. SX 517 790] where adit driven 1918 for 125 fm E by S on lode with arsenopyrite & traces cassiterite in qtz-chlorite. No scheelite. 2 short barren X-cuts.

Recorded output includes copper ore 1846-1850.

B. Cooper. Priv Comm 4/7/78 Spec sent earlier [RSWB 78-43] has sphene, ident by I.G.S. (IR agrees) IR also: brown blades = tourmaline (nearer dravite than schorl)

N. DEVON UTD M., Peter Tavy, Devon (TL)

M. Rumsey & M Savage, (2005) UKJMM 25, 19-22

Parkerite $Ni_3(Bi,Pb)_2S_2$, 1st British. In small "cobalt" dump w. erythrite coatings. Another blue-green Cu dump.

1" 175, 187 SX 512 785

S. DEVON UNITED MINE, Peter Tavy, Devon

~~See also~~ (BROOKWOOD M etc., ~~ENMA M (Buckfastleigh)~~ are part of S. DEV. UTD M Buckfastleigh.)

Dines (1956) 708-9. Part of DEVON UTD. M's.

E of Tavy, 1000 yd SW of Cudlipptown, on E-W Main South Lode. ENGINE Sh., 70 yd from river opp. High Tor. Adit from 26 fm W of the sh. on lode for 290 fm E; 2 air sh's 20 fm & 180 fm E of Eng. sh. 16 fm & 24 fm levels.

Lode quartz-chlorite; cassiterite with fairly coarse xls in chlorite in floors

and ledges in altered wall rock.
Some arsenopyrite, fluorite. Crosscourses.
Adit from river bank 200 yd SW of Eng. Sh. 60 fm E on E extension of S.Wh Friendship [q.v.] lode — no workable ore.
Reopened for Sn, 1904–1922.

[~510 783]

RSN(195)26 = At one time, combination of BROOK (= OLD EMMA), BROOKWOOD NEW & EAST BROOKWOOD, & EMMA MINES and Wh. TREEBLY

DEWERSTONE WOOD MINE, Meavy, Devon

See also YENNADON

J. Brooke Plym MMCJ (1975) 6 [3] 7-8

Iron mine, 1880-83. "Brown haematite" (?)

[Meavy, SX 54 67]

DICTOR'S ISLAND MINE, Kingsbridge, Devon

J. Brooke Plym MMCJ (1975) 6 [3] 7-8

Iron mine, 1859-63, output not recorded

[Kingsbridge, SX 73 44]

1" 175, 187 SX 43 3 72.

DING DONG MINE, Tavistock Hamlets, Devon

Dines (1956) 667-9. On a part of BEDFORD UTD [90]

Adits, shafts.

Quartz-chlorite veinstuff, sometimes gozzany with goethite. Arsenopyrite, cassiterite, chalcopyrite, fluorite, wolframite, traces scheelite, traces molybdenite, tourmaline (small clusters of x/s found near wall-rock), pyrite. Pyrite & chalco- oxidising to "carbonates & oxides". Old openworks show

blades of wolfram & some cassit. in gozz. qtz.

BVC. Priv Comm. 4/79; 6/79. Spec's → RS00B.

(i) Brochantite + langaite

(ii) greenish cauliflowery, looks like cruddy scorodite :- IR:- ?? ! GR: cf sarmientite!!
ass. with chalky white rounded :- IR:- ?!?

DYER'S SHAFT:- Francolite, found by John Gliddon

R. Turner, Priv Comm. 6/80. On S extension of Bedford United Lodes. Drilling under way. Specimens sent for ident had clinoclase, pharmacosid. connellite, cassiterite, wolframite, quartz, mal. cupy.

1" 175 SX 43 84?

DIPPERTOWN MINE, Marystow, S. Devon S. 55

See ALLERFORD MINE

JC (1871), 66. (Mn). Pyrolusite; psilomelane.

DODDISCOMBLEIGH, Devons.

See TEIGN VALLEY, HARE HILL M; SCANICLIFT M.

DREWS M. Devon

See BRIXHAM

1" 187 SX 5 7

Wh. DUCHY, Whitchurch, Devon.

PMMCJ (1975) 6 [3] 4 Mentioned in article on Merrivale Bridge mine as being on the S side of the Tavistock-Merrivale Bridge road, in 1846.

DUNSFORD MINE, Dunsford, Devon

See ANNA MARIA MINE

1" 163 SS 6041

EAST DOWN, Barnstaple, N. Devon. N 14

JC (1871) 70 Haematite; limonite; psilomelane; umber; yellow ochre.

TMH (1868) 57 Dev. Haematite; limnite; psilomelane

1" 163 SS 604 423

EAST DOWN MINE, East Down, Devon

PFC, PMMCJ (1973)[1] 4; (1974)[1]9. Adit & shafts in wood 700 yd NE of church. Prob. for umber/ochre, c 1785-8.

EAST PRAWLE M., Devon

See CHIVELSTONE

1" 186 SX 397 791

EDGCUMBE MINE, Milton Abbot, Devon

Dines (1956) 715. Traces of a shaft, 120 yd SSW of Edgcumbe Fm & a surface working 80 yd NW of the sh. Raised manganese ore, 1874-6.

GS 6" MS map (1908) shows "Edgcumbe Works, (Manganese, disused).

Wh EMILY, Dev. Gt Consols, Tavistock Hamlets, Devon.

See Wh Emma

1" 187 SX ca 53 6 49 6 S 4

WHEAL EMILY, Wembury. Devon

OUM: Semseyite [19692(1944)] $Pb_9Sb_8S_{21}$

Dines (1956) 689. 4 ml S by E of Plympton. An antimony lode, E 30°S, worked by a shaft 1000 yds E of Knighton e by 2 adits.
Lead e antimony ores. Dumps have siderite veinstone with a massive lead-bearing antimony sulphide.

RSWB (8/66) 5 45 Failed to find it. According to native, in field at 540 497, e ploughed in. Site re-searched: —ve.

1" 187 SX 715 675

Wh. EMMA Buckfastleigh, S. Devon S 100

See also BROOKWOOD M.

JC (1871) 68 (Cu, wkg.) Chalcopyrite.

Part of S. Devon Ltd M. with Brookwood, New & E Brookwood M's, Brook (= Old Emma) M & Wh. Treebly.

Wh. EMMA 1" 175,187 Tavistock Hamlet SX 439 737 Devon

Part of DEVON Gt. CONSOLS [q.v.]

Dines (1956) 659-660 Cer one, pyrite

R. Turner, Priv Comm 6/80 "Wh EMILY, Devon gt. Consols, behind farmyard" — pointed on map to near Watson's Shaft 439 730 but somewhat uncertain — Wh. EMMA ~ 439 737 seems more likely?
Fluorite pale yellowish xls; millerite (?) (1 spec.) golden tiny tufts in vughs.

OLD EMMA M., Buckfastleigh, Devon.

(= BROOK M.)

See BROOKWOOD M., etc.

1" 176, [illegible]

SX 91 92

EXETER, Devon

GeL (1858) Calcite amygdaloidal

1" 163, 164 SS

EXMOOR, N. Devon. N 27

JC(1871) 70 Goethite; chalybite; limonite

TMH(1868) 58 Dev. Slate. Haematite + above.

Mines in SS 73, 83

Christow 1" 176 835-9 831

EXMOUTH MINE, Teign Valley, Devon (I) S 10

See also TEIGN VALLEY; CANON TEIGN MINE; Wh ADAM, Wh AMERY, REED MINE; FRANKMILLS M.

Ramsden, MM, 27, 75, (1945). Pb mine, 1845. 1½ mls S of Christow

Lead in quartz; argentiferous.

JC (1871) 69 (Cu, Pb Ag, wkg) Chalcopyrite; galena

Includes Wh ADAM & Wh AMERY.

C. Rogers (1965):- galena; sphalerite.

Dines (1956), 745. Two N-S lodes. E lode said to have galena & blende, with baryte, fluor & calcite. cerussite is present. Dumps include cherty saccharoidal quartz enclosing galena, blende & copper sulphides. Galena is argentiferous

P.T.O.

CANONSTEIGN Sh., 250 yds NE of Canonsteign House; vertical, sunk E of the lodes, with cross-cuts W at all levels. An air-shaft 150 yds NW of Canonsteign Sh. WILLIAMS Sh. 540 yds N by W of Canonsteign Sh. Drainage ADIT starts near R. Teign, 410 yds E by N of Canonsteign Sh., driven W 23° N.

Country rocks: metam'd Culm shales & cherts, with greenstone intrusions.

Wh ADAMS worked 1810-1874, united with Exmouth mine ? 1853.

"CANONTEIGN MINE"

BM 1938,330 Linarite, x-line in quartz rock.
(Pres. by AW Soble & Miss MT Hake, 1938)

EXMOUTH MINE, Christow, Devon (II)

RSWB & BVC, 20/4/78 Looked at big grey dumps on E side of main road, at 841 831 Grey shale matrix; vein quartz; linarite, brochantite, pastly coating cerussite; galena; yellow powdery late coatings of beaverite-osarizawaite group (IR)

1" 176 Christow SX 83 83

NORTH EXMOUTH MINE, Teign Valley, Devons.

See also REED M; EXMOUTH M, etc.

Dines (1956), 745. ?= REED MINE.

JC (1871) 69. Copper & argentiferous lead mine.

1" 176 2¾ mls S of Christow. Hennock, Christow SX 835 808 S 8

SOUTH EXMOUTH MINE, Teign Valley. Devon

See also TEIGN VALLEY etc; HENNOCK

Ramsden, MM, 27, 75, (1945). Pb mine, 1872.

=HENNOCK MINE

JC (1871) 69 (Pb Ag)

Dines (1956), 747. Worked from before 1850 to 1865, produced some Pb & Ag. In metam Culm killas. Two NS lodes, the Wern most worked.

WESTCOMB's ENG. Sh. 630 yds ESE of Hennock Ch; dumps have granular siderite with disseminated galena xtls & later growths of baryte; comby quartz & earthy limonite.

JAMES' Sh. 105 yds N by W of W's Eng. Sh. Air Sh's 70 yds W & 150 yds S by W of W's Engine Sh.

No adits. Small dump, 520 yds N of W's Eng Sh, is at extreme end of undergt'd workings.

There is a Sh. 60 yds SE of Franklands farm, between S. EXMOUTH & FRANKMILLS M's.

1" 187 SX 598 682

EYLESBARROW MINE, Sheepstor, Devon

OS 1" map - Mine (Disused) at 598 682

Dines (1956) 731. 3 lodes, a little N of E
Only overgrown surface workings visible, but also worked underground 1814-1826. No records.

PMMCJ (1974) 5 [2] 19 Field trip. Dumps dug into - small samples cassiterite and amethyst [quartz].

RC Scrivenor, BV Cooper, OA Baker. Proc Ussher Soc. (1977) 生 [1], 7-10.

Small amounts wolframite.

1" 175, 187 SX 420 737

WHEAL FANNY, Tavistock Hamlets, Devon K 37

See also DEVON Gt CONSOLS

Little map, 9

Copper Mine shown on 6" OS SX 47 SW. Shafts:
WESTERN Sh, @ 421737, EASTERN Sh, @ 423737

Dines (1956) 657 E of Gt. Crowscourse
Water stands just below 35 fm level
Quartz, chlorite, chalcopy, arsenopy

1" 175, 187 SX 427 719

South Wh. FANNY, Tavistock Hamlets, Devon

Part of DEVON Gt. CONSOLS [q.v.]

Dines (1956) 660 Low grade Sn, As ores.

On S lode.

FAYES MINE, Combe Martin, Devon

See (OLD) COMBMARTIN MINE

Unplaced

FENACRE CAVE, Devon.

Br. Caver 32 13 (1959). Entrance in face of Fenacre Quarry, by descending 30' down face. Mainly a triangular chamber, 16' high x 25' x 23', connected with an 18" wide fissure 35' deep, 15' long, covered with orange flowstone. Disturbed by blasting.
Discov'd 1959

1" 163 SS 66 27

FILLEIGH, S. Moulton, N. Devon. N.5

Atlas: Dk. WNW of S. Molton. See HIGH DOWN Q'Y.

B.M: Type Wavellite.

JC(1871) 70 Wavellite
THH(1868) 59 Slate: Wavellite

OUM: Wavellite W part of High Down Quarry, Heddon, nr. Filleigh, S. Molton, Devon. (N 28) nr 65 29

Rudler (1905) 99 Wavellite in black slaty Culm-measures

1" 175 SX 743 900

FINGLE BRIDGE, Drewsteignton, Devon.

PMMCJ (1974) 4[3] 25. News - report by Inst Geol Sci. on U finds in valleys of Teign & Bovey rivers at Fingle Bridge and adjoining woods.

1" 188 SX 92 56

FIVE ACRE MINE, Brixham, Devon. S 136

See also BRIXHAM. ? = FIVE ACRE M, Kingsbridge (q.v)

JC (1871) 69 (Fe, wkg) ~~Hem~~ Haematite, limonite.

SX 74 NW 4

FIVE ACRE(S) MINE, Kingsbridge, Devon

J. Brooke, Plym MMCJ (1975) 6 [3] 7-8

Iron mine, 1866-71. "Brown haematite"
One source places it in Brixham.

[Kingsbridge, SX 7344]

1" 175 SX 51 2 850
514 847 (AKHJ)

FLORENCE MINE, Lydford, Devon.

Dines (1956) 711 Lead mine. NS LAKE LODE crosses Lyd at rly. viaduct. INDIES LODE crosses Lyd 170 yd to W. Adit on Lake Lode under viaduct on lode N 190 fm, passing ENGINE Sh. at 100 fm, FOOTWAY Sh at 130 fm, PAUL'S Sh at 150 fm. X cut W to Indies Lode 30 fm S of Eng. Sh. Another adit S of river from 170 yd W of the other, on Indies Lode.

No records of output

AKHJ (1981) "Devon.." p 23. In 1858, on clearing adit, found "native & ruby silver" in the lode.

1"163 SS 751 319

(NEW) FLORENCE MINE, North Molton, Devon

PFC, PMMCJ (1973) [1] 7. Adits & shafts on 3 veins crossing Radworthy Down Cleave. Worked for iron, 17th cent; reopened 1871 - FLORENCE MINE; 1880 - NEW FLORENCE MINE, to 1888. Re-tried unsucc., 1918, 1942.

Dines (1956) 761 3/4 ml E by N of Crowbarn M. Two iron lodes crossing valley. N & S Lodes, E 25° S. Many adits, shafts. Quartz; haematite,

siderite.

BMSN(1989) 26, 4 Micac-haem, goethite

1" 187 SX 569 595
572 592

FLORENCE MINE, Plympton St. Mary, Devon.

Dines (1956) 687. ¼ ml W of Dartmoor granite at Smallhanger. Old surface workings on 2 tin lodes ca E 8° N, 60 yds apart. Dumps have tourmaline schist with veins of white quartz.

Near a shaft on N lode, 800 yd NNW of Drakeland Corner [ie ≈ 569 595], a spec. of quartz with wolframite found.

1" 175 SX 64 93

FORD FARM QUARRY, Okehampton, Devon.

AR MM 21 Granite - Culm measures contact visible.
Andalusite.

1" 175 South Tawton SX 64 93

FORD MINE, Okehampton Devon S 27

"On hillside to the W. of Ramsley Mine". -GR. Expediton of 6/55 failed to find it.

MM 32 921 (AWOK). Scheelite

1" 163

SS 7551

FORELAND POINT, Countisbury, Devon

PFC, PMMCJ (1974)[1] 9. Adits reported, at Foreland point, exact pos'n unknown Worked for Fe, 1874-5. May be connected w. COUNTESBURY MINE [qv]

1" 175 SX 5691

WHEAL FOREST Okehampton. S 1

~~See also RED-A-VEN BROOK MINE, BLACK DOWN~~

AR, MM 15 (1910). Zeolites : Heulandite.

JC (1871) 66. "FOREST HILL MINE" Okehampton. (Sn, Pb ¾, working).
Axinite, cassiterite, galena, garnet

AWGK, RGSC (1964) Scheelite

Now under Meldon reservoir!

Mem GS "Okehampton" (1968) 40 Dines calls it "HOMERTON MINE"

1" 163 SS 669 318

Wh. FORTESCUE, East Buckland, Devon

PFC, PMMCJ (1973)[1] 7; (1974)[1] 10.

Workings around Belwell, including shaft at 6695 3180 & in Middlecott Hill area; for copper, 18th & 19th Cent's.

Dines (1956) 761 Unnamed trial shaft W of road ½ ml NW by W of East Buckland apparently trial for copper. Fragments of quartz & chlorite with pyrite, sphalerite, some manganese staining

1" 175, 187 SX 41 74-76?

North FORTESCUE MINE Devon

Dines (1956) 655. Shafts, 2 adits — trial, said to be for lead, driven W into valley side of stream — S of Hartwell?

Wh. FORTUNE, S. Taunton, Devon.

See GOOSEFORD M.

Wh. FORTUNE, Whitchurch, Devon.

See MERRIVALE BRIDGE MINE

FOWSHAM M., Devon

See BRIXHAM

1" 175 SX 547 867

FOXHOLE MINE, Lydford, Devon

Dines (1956) 711 V small tin work in granite, 2¼ mi NE by E of Lydford.

PMMCJ (1974) 5 [2] 18 Part of extensive of stream works & trials on high moor above Wh. Mary Emma. In one place good spec's cassiterite found on field trip.

1" 187 Walkhampton SX ~~50 51~~

WHEAL FRANCO, Devon, ~~Buckland~~ SX 50 70 24

~~Monachorum.~~ — 513698 (ca)

BM: Apatite, var. Francolite.

Henwood: Cassiterite, Chalcopyrite, pyrite, Fluorite.

JC(1871), 67. (Cu) Wh. FRANCO, Buck. Mon
↳ Cassiterite; chalcopyrite; chalybite; fluorite; francolite.

Wh. ROBERT, Samp. Spiney (Cu). Chalcopy, limonite, pyrite, rock x l

TMH(1868), 58. (Cu) FRANCO Apatite; cassiterite; chalcopyrite; fluorite.
Wh ROBERT. Chalcopy, limonite, pyrite, rock x l.

Rudler (1905), 24. Apatite, var francolite

GeL (1858) Apatite, "some years ago", small greyish-green

to brown stalactitic xline masses.

Dines (1956) 698. Part known as Wh. ROBERT or Wh. SIR MASSEH. At Horrabridge. Surface indications for 1400 yd W of brook 140 yd ESE of bridge at Horrabridge, along S ~~bank~~ side of R. Walkham. Engine Sh 380 yd W by N of bridge. Spry's Sh 220 yd ESE of Eng Sh. Other Sh's. Main Lode E 10° S, S of Eng Sh., intersected by another lode ≈ E 30° N.

FURZEHILL ADIT, trial, barren, E of brook. Pyritous shales, chlorite, chalcopyrite, pyrite. Some siderite, fluorite on 62-fm level. Wh ROBERT 1825-6 (Cu ore); FRANCO (1826-62). (Cu ore). major.

1" 176 Christow SX 835820 (I) S 9

FRANKMILLS MINE, Teign Valley, Devon

See also TEIGN VALLEY, REED M; S. EXMOUTH M;

Ramsden, MM, 27, 75, (1945). Pb mine, 1857.
Lead in quartz; argentiferous.

BM: vg cerussite, with galena. Cerussite, 1" xls in ll^e on cockscomb baryte

JC (1871) 69 (Pb^Ag, wkg). Galena.

Rudler (1905), 56. vg cerussite, pres. by C. Wescombe "many years ago"

P. Cornish spec → RSMB 7/74 Linarite with cerussite

Dines (1956), 746. In metam. Culm measures shale & cherts, with greenstone intrusions. Immed. S of Wh. EXMOUTH, & on same two lodes, said to

carry galena & some cerussite, blende, siderite, limonite, fluorite, baryte. Sb ore also recorded. Dumps are large & have weathered siderite + cherty vein qtz, galena, etc. Output for 1875–80 given (which include "brown haematite" & "spathic iron ore").

Description of underground workings given. ENGINE Sh. 450 yds N by W of Hyner Bridge, sunk between outcrops of the two lodes. Air shafts 80 yds NW, 340 yds N by W and 680 yds N by W of Engine Sh.

Dunham F (1952) 121. 1¾ ml S of Christow. 2 NS lodes, "E" & "W Lode". Galena, cerussite, blende, siderite, limonite, quartz, fluorite, baryte, antimony ore [?]. Large dumps

FRANK MILLS M., Christow, Devon (II).

BMS Newsl. (1997) 46, 9. BMS coll: Pyromorphite (G. Riddell).

Cryst. Vine Cat. (7/04) Tetrahedrite e chalcopyr.

1" 175 SX 4 8

Wh. FREDERICK, Lidford, S. Devon S 50

JC (1871) 66 (Sn). Cassiterite.

[Lidford SX 5084

1" 175,187 SX 424 725

FREMENTOR, Tavistock Hamlets, Devon K 36

Little map II

J. Gliddon, Priv Comm. 8/74. Quartz big clusters of iron-stained x/s collected underground.

Dines(II) 653-4. 3/4 mi NNW of Gunnislake. In the small part of the Gunnis. granite which is N of the Tamar opp Clitters Wood. Branches & strings of cassiterite - wolframite one 2-6" wide in greisenised granite. In W part, wolframite x/s in sheaves near lode with bands of quartz with wolframite grading inwards to a mixt. of qtz, arsenopyrite & chalcopyrite, & in

centre, arsenopyrite w qtz & fluorite.
Cassit w. wolf in wall rock but not
in the W bands at edge of lode.
Orig. small opencast. Worked during &
after World War I by shaft & levels.

1" 175 Mary Tavy SX 49-50, 792-3

WHEAL FRIENDSHIP nr. Tavistock; S. Devon. (I) K 15

See also W. Wh. FRIENDSHIP etc, ~~Devons~~ S. FRIENDSHIP M; Wh. BETSY Wh JEWELL

Rutley, 15th. Ed., p. 145, Albite; p. 156, scheelite, assoc. with chlorite; p. 157, molybdenite.

BM: vg calcite; bismuth. GMvg scheelite xls.

Henwood: Scheelite

JC(1871) 66. (Cu, wkg). Axinite. blende; calcite; chalcopyrite; chalybite; chlorite; fluorite; galena; pyrites; rock xl.; scheelite; ?wolfram.

N. Wh. FRIENDSHIP. (Cu, Pb). chalcopyrite; galena.

TMH(1868) 60. Slate. (Cu) Axinite; blende; calcite;

chalybite; chlorite; fluorite; galena; pyrite; rock xl; chalcopyrite; scheelite

Rudler (1905) 31 p.93. Scheelite, in chloritic matrix Calcite

Dunham, F (1952) 118. Fluorite present

AWGK, RGSC (1964). cobaltite, intergrown with galena

GeL (1858) Scheelite fine yellow octahedra, up to 1½", in chlorite, occas. with wolfram. Calcite, pale lilac obtuse rhombs [AWGK: also schieferspar]

Wh. FRIENDSHIP, Mary Tavy, Devon (II)

See also under

OS 6" map Devon Friendship Mine 503793

Sn, Cu, mundic mine

PMMCJ (1972) 3 [3] 19 Field trip: good erythrite on dumps.

Dines (1956) 705-707 = DEVON FRIENDSHIP.

Includes BENNETT'S MINE. worked complex of lodes ~EW for ~ 1 mile to W from Tavy Valley. In the N are MAIN & SPRAGUE'S lodes, in the E, ~

50 yds to S, KENTS lode, with ~ 300 yds to S, BENNETTS LODE. Other, minor lodes. TAYLORS Sh, just W of road, 1100 yd NW of Mary Tavy Church; COURTICES', PEARCE'S, OLD SUMP, BULLER'S (STREAM ENGINE), BRENTONS, OLD ENGINE PLANE (incline), NEW ENG. PLANE. STEAM ENG. SH., ADIT Lev SW through Wh. HOPE Sh., 160 yd SbyW of Taylors Sh to R. Burn, portal 700 yd SW of HOPE Sh. WILLIAM'S & MADDOCK'S Sh's to drive connecting with Wh BETSY (qv) to the N.

A N-S X-course (= the Pb lode of Wh Betsy?) leaves lodes & has fluccan with quartz, siderite, calcite, galena, sphalerite.

MAIN LODE, 2-30' wide, gozzany nr. surface

Wh. FRIENDSHIP, Mary Tavy, Devon (III)

has cassiterite, chalcopyrite, arsenopyrite, pyrite, in quartz, chlorite, dolomite
The cassit comes in on 112 fm lev, with well-formed xls of scheelite.

SRAGUE'S LODE worked mainly around Taylor's Sh,
KENTS LODE, is E of X-course. X cuts to Main Lode
BENNETS LODE, 3-4' of quartz, chlorite with cassiterite, arsenopyrite; walls of killas above adit, greenstone below.

Worked before 1790, then intermitt → 1925
Output included lead ore, silver, zinc ore.

RW Barstow (1979) Catalogue (1/80). Sped → RSWB & JIW

Wroewolfeite, rich blades on matrix ~~some visible to naked eye~~ → ~ 1 mm.
"checked". "Devon Friendship Mine, Marytavy"

RSWB. Min. Record (1982) 13, [3], 167-170, 174
"Wroewolfeite in Britain" galena, sphal., chalcopy., py., arsenopy., cassit., wolframite, molybdenite, cobaltite, bismuth, scheelite, axinite, erythrite, quartz, chlorite, calcite, dolomite, siderite, fluorite; wroewolfeite → 1mm blades.

~~RW~~ RW Barstow MM (1983) 47 240-1

Wh. FRIENDSHIP, Mary Tavy, Devon (IV)

RWB

Wroewolfeite on old dumps on W side of stream cutting through workings SE of Marytavy. Much decomp'g pyrite-chalcopy bearing material also galena calcite veinstuff from N-S Pb lode crossing EW Cu lodes. Wroe- beaut transp. x/s sharp, sky-blue, 1-2mm on joints in dark slaty killasstone - one spec has rad. aggs → 5mm Some brochantite. Presence of calcite may play some part in formation (cf RSWB)

E. Wh. FRIENDSHIP, Peter Tavy, Devon

See N. DEVON UNITED MINE

N. Wh. FRIENDSHIP, Mary Tavy, Devon

See ~~Wh. FRIENDSHIP~~ Old Wh. BETSY
also Wh. FRIENDSHIP.

1" 175, 187 SX 509 783

S. Wh. FRIENDSHIP, Mary Tavy, Devon

See also Wh. FRIENDSHIP, etc.

Dines (1956) 707-708. = Wh. ANN.

On EW lode. ENGINE Sh, 300 yd S of Mary Tavy Church; MILL Sh 50 yd E of Eng. Sh. No adit; but a trial level 10 fm W into W bank of the gurgie 30 yd S of footbridge nr. Whitstone Fm. — has quartz stringer.

Quartz-chlorite veinstone, with chalcopyrite, arsenopyrite, galena, sphalerite, traces cassiterite

1" 175, 187 SX 483 797

W. Wh. FRIENDSHIP, (nr Mary Tavy), Brentor, ~~Cornwall~~ Devon

See also Wh. FRIENDSHIP; S~~ILVER~~ FRIENDSHIP M.

OS 6in map: Cu mine

Dines (1956) 704-705 Engine Sh., in shale 1400 yd ESE of Church on Brent Tor & 250 yd SW of stream joining Tavy below Harford, on North Lode at Adit Level. Middle & S lodes. Another sh 200 yds to NE.

Dump of peach with chalcopyrite, pyrite, specks of arsenopyrite, specular haematite in vughs.

Abandoned 1865

1" 163 SS 515 398

FULLABROOK MINE Braunton, Devon (I)

See also WEST DOWN ; Wh. COMFORT

Dines (1956) II, 759. =WEST DOWN MINE, 5ml S by E of Ilfracombe, on N side of Halsinger Down - 2 adits, 40 yds apart, commence 500 yds SE of Fullabrook Mill, both → N 15° E. Sandstones, cemented by black manganese oxide which also impregnates joints & bedding planes.

B. Cooper. Spec. → RSWB 9/75. Pink sandstone with black joint-plane filling, penetrating 2 mm into sandstone - inner part crystalline - bladed, with black streak - ? pyrolusite

PFClaughton, Plym MMCJ (1973) 4 [1] 5. Adits in valley at 515398. Mn mine, working 1698, 1859-61, 1872-3, 1877-84. Possibly = Wh. COMFORT [qv]

PFC, PMMCJ (1975) 6 [1] 4-5 A number of N15°E Mn veins - breccia-filled faults, cemented by black manganese oxide; also impregs country rock for 2 or more feet. 2 adits open, one blocked. Details. History.

= WEST DOWN M., = LITTLE COMFORT MINE = Uncl COMFORT, possibly = Wh. MARGARET, Braunton (of 1850).

FULLABROOK MINE, Braunton, Devon (II)

"MJ Minerals" Cat. (12/93).
"Polianite", thin chocolate-brown flaky crystals, "FULLERBROOK, near Exeter" [= pyrolusite]

BM SN (1989) 26 5. "= WEST DOWN M." Pyrolusite veins, cavs with botry surfaces & occas. x/s.

FURGAM HILL M., Devon

See BRIXHAM

1" 175 SX 59 or 69

FURSDON MINE, Okehampton, S. Devon. S 45

= RAMSLEY MINE q.v.

JC(1871), 66. (Cu, workings). Axinite; garnet; chalcopyrite.

FUR SEHAM M, Devon

See BRIXHAM

FURSEHAM COMMON M., Devon

See BRIXHAM

GREAT FURSEHAM M., Devon

See BRIXHAM

FURZEHAM M., Devon

See BRIXHAM

1" 187

SX 518 692

FURZEHILL (WOOD) MINE, Walkhampton, Devon

Dines (1952) 699-700 FURZEHILL or F. WOOD M. 5 lodes, from N-S :- ~~No 1~~ No 2 N, Nal N, Middle, Main, S. ≈ EW, in Furzehill Wood
Engine Sh. 850 yd SSE of bridge at Horrabridge on Main Lode — NS X-cuts to other lodes
Dumps have tourmalinised wallrock killas speckled w. small xls pyrite & arsenopyrite, veinstone of blue-grey peach w. little quartz
Worked for tin & a little As, 1862-77.

B. Cooper, Spec's → RSWB for ident. 5/76. (76-110)
Childrenite, small x/s on dark
killas with quartz

GATEPOST MINE, Whitchurch, Devon

See DEVON BURRA BURRA

1" 186 SX 375 829

GATHERLEY MINE, Lifton, Devon
=Wh HARRIS, q.v.

Dines (1956) 715

δ gatherley Fm; δ second sh. shale dumps. ~1870 or earlier.

Shafts 30 yd E & 100 yd W adit to E from 40 yd W Small overgrown Worked for lead, No records

1" 187 Tavistock Hamlets SX 452 688 S 30

GAWTON MINE, S. Devon

[= Gowton?? K 32] See also BEDFORD CONSOLS

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

Collins (1871), p. 67. Cu mine. chalcopyrite

Dines (1956) 678. = DEVON GAWTON = GAWTON UNITED.
copper Lode, E 5°N on W & E 25°N on E; outcrops on S slopes of Tamar, passes W into OKEL TOR sett [Calstock, CORNWALL] & E into BEDFORD CONSOLS.
To S in Arsenic or Mundic Lode, EW.
Adits, shafts. Active ⇒ 1902.
Tailings show values for black tin, wolfram.
Outputs: Cu ore, black tin, pyrite, arsenopyrite, arsenic. A specimen shows arsenopy.,

intergrown w. scorodite- "the residue from (a) chemical test gives an indication of antimony"

BVCooper Coll 11/9/77. Childrenite, reddish-stained x/s on killas. Loc "I" old ("H" new)

Wh. GENNYS, Plymouth, Devon.

See WHITLEIGH MINE

1" 175 SX 529 703-5

Wh. GEORGE, Walkhampton, Devon.
& Sampford Spiney

See also HUCKWORTHY BRIDGE

Dines (1956) 698 = E. Wh. GEORGE.

South or Main Lode, E 5° N, with Engine Sh. on S side of river 320 yd WSW of Huckworthy Bridge, Short Adit level. Tourmaline peach; brecciated dark green chlorite recemented by quartz, with chalcopyrite, siderite, traces galena.

North Lode is on N side of river

Walkhampton PH

Sampford Spiney

S. Spiney pH

E 12° N, with a shaft 120 yd WSW of the bridge. Chalcopyrite

Barclay et al explored trial adit on N edge of alluvium 410 yd W by S of the bridge, to NNW on quartz vein with tourmaline, chalcopyrite.

[≈ SX 527 705]

1" 187 SX 453-4 699 ~~Callington~~ Devons. K 7

GEORGE and CHARLOTTE MINE, (nr. Tavistock) ~~Cornwall~~.

See also DEVON & CORNWALL UTD; WILLIAM & MARY M. (566)

AWGK, RGSC (1952). Was part of DEVON & CORNWALL UNITED, but NOT Bedford United.
Only known loc. for "Tavistockite." MM (1969) ... (= apatite)

AWGK, Min Mag Childrenite; ~~chalcopyrite, pyrite~~. (Classic loc).

BM: Childrenite, brown xls, with pyrite; chalcopyrite.

JC (1841), 64: Bismuthinite; childrenite; chlorite.

Rudler (1905) 72 Childrenite, large xls

PGE, EEF, MM (1969) 285 123. The "Tavistockite" is fluorapatite or francolite

e is assoc. w. chlorite, quartz, childrenite, chalcopyrite, siderite, pyrite

B. Cooper (1974) Childrenite in pyrite w. occas. anatase.

Dines (1956) 676-7 W part of DEVON & CORNWALL LTD.
Deep adit from river bank, Middle adit 28 fm higher, 150 yds E of river, Shallow adit 14 fm higher still, 200 yds E of river. Shafts:- Leys, Emily, Crosscourse, Whim, Engine.

Quartz, chlorite, chalcopyrite, much pyrite.
B Cooper 8/75. Good childrenites on qtz/killas coming from adit being widened for visits by tourists - "Dartington Hall Trust"

1" 163 SS 4639

GEORGEHAM Barnstaple, N. Devon. N.15

See also SPREACOMBE M; BUCKLAND M.

JC(1871) 70 Haematite; limonite; psilomelane; pyrolusite.

TMH(1868)57. Dev. Sandst. Haematite; psilomelane; pyrolusite

1" 175 SX 503 811

GIBBET HILL, Mary Tavy, Devon

Dines (1956) 710. Old sh's & surface workings are trials ~1870 reputed to be on EW tin lodes — unsuccessful — on Gibbet Hill, W of main road. Dumps have vein quartz with pyrite, chlorite.

1" 175 SX 67 88

GIDLEIGH, Moreton hampstead, Devon S 103

JC(1871) 69 Rock x-l.

TMH(1868) 58 granite: Rock x-l.

1"163 SS 603485

GIRT DOWN MINE, Combe Martin, Devon

PFC, PMMCJ (1973) [1] 6. Adit to N of Great Hangman, also adit from the Rawns [590 484] further W. Worked for iron 1867, 1872-6.

1" 163

SS 595 472

GIRT VALE MINE, Combe Martin, Devon.

PFC, PMMCJ (1973)(1)6. Shaft at 595 472 in valley 300 yd SW of Girt Fm. Worked ~1859 for Ag-lead.

1" 175 ~ SX 680 803

GOLDEN DAGGER MINE, North Bovey, Devon

See also BIRCH TOR & VITIFER, etc.

Dines (1956) 720-723, Map p. 722. Between Birch Tor & Walla Brook valleys, S of B.T. & V. Mine. A group of lodes worked opencast, shafts, levels. Country rock has aplite veins, elvan dykes & thin strings tourmaline 2½ ft quartz lode banded w. spec. haematite & tourmaline. Cassiterite produced → 1914. Part of B.T & V complex

RC Scrivenor BV Cooper RA Baker Proc Usher Soc (1977) 4 [1] 7-10 Spec haematite pseudo-after pyrite, near Golden Dagger mine (SX 679 803)

GOLDSTREET MINE, Bere Ferrers, Devon

See LOCKRIDGE M.

1" 175 SX 672 925

GOOSEFORD MINE, South Tawton, Devon (I)

= THROWLEIGH M., = Wh. FORTUNE

Dines (1956), 751, 753.

GOOSEFORD M. Small mine S of village. Only record a 1908 plan. Arsenopyrite said to have been recov. from dumps during 1914 war.

THROWLEIGH M. Dump at adit has Culm shales, cherts & impure l'st's, the last impreg. w. arsenopyrite & some pyrite. C.F. Barclay (MS notes, abstr. by Geol Surv) reports orpiment.

Harris (1968) Small tin mine at 672925 w. virtually no vis. remains. Worked over for As, early 20th cent..

Mem G.S. "Okehampton" (1968) 205.

GOOSEFORD M., 672925 = Wh. FORTUNE, descr. by Dines as THROWLEIGH M. E-W copper "lodes" reputedly rich e cut by N-S lead veins, worked by adit esh's, mid-19th Cent.; attempt to reopen, 1914. Dines' "Gooseford mine" prob =.

RSWB 30/7/93 Site investigated. No sign of sh. or dumps. Some scattered stones; one collected, of quartz, with a mass of arsenopyrite at one end and some embedded euhedral xls. Seamed with veinlets of yellow to orange chalcedony looking somewhat like orpiment, superficially!

GOOSEFORD (= THROWLEIGH) M., DEVON (II).

Cryst. Vein Cat (7/04) From THROWLEIGH M.,
Mottled grey matrix scatt'd w. ca v. rich yellow
druse - lustr yell spheres & plates under magn.
Micro red realgar masses & a green
druse, poss pyromorphite. Yellow
in ~~pp~~ orpiment.

GOTHERLY MINE, Lifton, Devon.

See Wh. HARRIS

GOODRINGTON MINE, Paignton, Devon

J. Brooke. Plym MMCJ (1975) 6 [3] 7-8
Iron mine, 1873-4, output not recorded

[Paignton, SX 89 60]

1"164 SS 823 283

GOURT MINE, Molland, Devon

See also BREMLEY M., MOLLAND M.

PFC, PMMCJ (1973) [1] 8. Shaft & adit at 823283 250 yd SSE of Gourt Fm. Worked for copper 1855-67 in conjunct. with BREMLEY M.

"MOLLAND MINE" = GOURT+BREMLEY 1851-67; and BREMLEY M 1877-9.

[TMH (1868) 59; JC (1871) 70. Chalcopyrite, tetrahedrite]

Dines (1956) 763 400 yd E by S of MOLLAND (BREMLEY)

mine. E extension of Bremley lode. Small dumps around shafts 250 yd SSE of the farm, & an adit driven E into valley side. Quartz veinstone, siderite, chalcopyrite.

1" 175, 187 SX 4245 769

Wh. GRACE, Sydenham Damerel, Devon.

See also Part of Wh. CONQUER COLLACOMBE MINE [qv]

Dines (1956) 616-23 Quartz-chlorite; blende, chalcopy, pyrite

1" 187

SX 4 7

NEW GT. CONSOLS MINE, Tavistock, Devon S 70

JC(1871) 67 (Cu, wkg.) Chalcopyrite

1st 187

GREAT DEVON CONSOLS, SX Tavistock

K 20

See ~~DEVON GT CONSOLS~~, K 47

Rutley, 15th. Ed., p. 205, copper; p. 207, chalcopyrite.

1" 175 ~ SX 73_2 83_2

GREAT ELEANOR MINE, North Bovey, Devon

Dines (1956) 724. E 15° N tin lode worked 450 yd at surface, also ENGINE Sh, 950 yd SW of N. Bovey Church. Deep Adit portal in valley 200 yd E by N of shaft on lode for 210 fm W. Shallow adit 100 yd W of Deep adit. Dumps have quartz with tourmaline, spec. haematite cassiterite recorded 1876-1880.

1" 176 Hennock near SX 81 82? S 12

GREAT ROCK MINE, A Teign Valley.

See also TEIGN VALLEY; KELLY M, etc:

Ramsden, MM 27, 75, (1945) Fe mine, in granite (tourmalinised)

Michell, Mine & Quarry Eng, (Jan, 1945). Micaceous haematite.

C. Rogers (1968): Micaceous haematite; pyrite xls.

Dines (1956) 727 2 ml N by E of Bovey Tracey, on steep W side of small valley draining N into Beadon Brook. On granite margin. 5 lodes in granite, v E 15° N of almost pure, soft micac. haematite with a little pyrite Country rock has tourmaline veins Description. Active since 1902 [working].

RC Scrivenor, BV Cooper, OA Baker Proc Ussher Soc (1977)
4 [1] 7-10. Haematite; Pyrite – well-formed
crystals to 40 mm.

1" 175 Cont. on SX 714 875

GREAT WEEK MINE, Chagford, Devon

See also CHAGFORD;

D.G. Broughton, "Tin Working in the Eastern District of the Parish of Chagford, Devon" Proc. Geol. Assoc. (1967) 78 447-462.

E-W series of mines E of Chagford, maps, plans & sections. Veins etc shown. Main mine was GT. WEEK CONSOLS around Greatweek hamlet. Cassiterite, with tourmaline, haematite, quartz, also some jasper associated with pyrite & chalcedony. A few 100 yds to SSW of the Kenslade Lane SW workings - on same [near 712 872]

vein system. To E of Greatweek more workings around Drewston cross [workings:- 720875] To W of Greatweek, are WESTCOTT M (Sn) [near 709 873?] and BEIRA M.(Sn) [near 705 875]

1" 175, 187 SX 434 718 S 69

EAST GUNNISLAKE & S. BEDFORD MINE, Tavistock, Devon (I)

E GUNNISLAKE (CORNWW)

See also OLD GUNNISLAKE (K1) et al: BEDFORD ~~CONSOLS~~ UTD (K2) ~~etc~~

JC (1871) 67 (Cu, wkg) Chalcopyrite BEDFORD CONSOLS (S 62)

Dines (1956) 669–671 "S. BEDFORD & E. GUNNISLAKE" = S. GUNNISLAKE M.; Includes LUSCOMBE M. Dumps have quartz, wolframite, cassiterite, chalcopyrite, chlorite, copper carbonate stains.

BV Cooper 8/78 says apatite has been found at S. Wh. BEDFORD RSMB $n < 6.3$ ∴ = francolite

EAST GUNNISLAKE & BEDFORD MINE, (II)
Tavistock, Devon.

RSN (1992) 23

East Gunnislake Mine, Tavistock, Devon
9th August 1992

Members of the Society met at East Gunnislake Mine. We descended Red Whinn shaft via three lengths of electron and progressed to the collecting area via some narrow stopes. This is not an easy mine. Working was limited to a very narrow stope. Collecting from the deads above us, one member supplied a constant stream of rocks, whilst we picked them over. Myself, laying slightly in front of Dea, saw several nice specimens travelling at speed past my ears. Most members collected micromaterial, but good specimens. These included libethenite, olivenite, pseudomalachite, and wroewolfeite as clear transparent blue crystals to 2mm (XRD confirmed). Very many thanks to David Lloyd for making the day possible.

Capt. Steve J. Brown

S. GUNNISLAKE M., Tavistock, Devon

See E. GUNNISLAKE & S. BEDFORD M

1" 188 SX S 135

GYMTON MINE, Paignton, Devon. 8960

JC (1871) 69 (Fe, wkg.) Haematite; limonite

?galmpton 8856 Paignton, 8960

J. Brooke Plym MMCJ (1975) 6 [3] 7-8
Iron mine, 1869-72 (? also 1863-8).

Cryst. Vine cat. (7/04) Haem + small water clear quartz x/s.

1" 176 SX ? ? ? S 143

HALDON, Exeter, Devon.

JC (1871) 70 Chert; flint.
TMH (1868) 58 —"— —"— in greensand.

Not in OS gazz. Exeter SX 92 92

1" 175 (NOT in OS gazz) SX 49 88

Wh. HAMBLYN, nr. Bridestone, Devonshire

? Bridestowe SX 5189 (1" 175)

Rudler (1905), 103 Opaline allophane, var. "Schrötterite," delicate blue, with pearly lustre, in small botry masses on black carbonaceous shale. Blue from Cu?

1" 163 SS 607 295

HANNAFORD, Swimbridge, Devon

Dines (1956) 760 "Cu mine" on OS map [6"?]
300 yd S of Hannaford. EW vein?
Fragments galena only seen on dump

1" 187 SX 6 5

HARBOUR FORD MINE, Ivybridge, Devon

J. Brooke Plym MMCJ (1975) 6 [3] 7-8

Iron mine, 1874, output not recorded.

1" 176 1 in 176 SX 85 ~ 86 3 16

HARE HILL MINE, Teign Valley, Devon

See also TEIGN VALLEY; SCANNICLIFT M.

Ramsden, MM 27, 75, (1945). Mn mine.

Dines (1956), 747 HAREHILL PLANTATION MINE, small Mn working, 400 yds S of Doddiscombleigh Church. Little more than a trial. A shallow sh. on N boundary of plantation; an adit driven SE from 30 yds NW of the sh; & overgrown openwork in the plantation. Occas. wad & pyrolusite coatings & impreg. on dumps. In Culm mudstones, cherts, tuffs, & greenstone intrusions. Abandoned ?1875

1" 186 SX 375 829 S 35

Wh. HARRIS, Lifton, S. Devon.

SX3885

Collins (1871) p 66. (Pb^{Ag}). Galena.

N Hubbard, Priv. Comm. 5/82. = GOTHERLY M.
Antimony minerals

Dines (1956) 715: GATHERLEY M. Sh's 30 yd E & 100 yd W of Gatherley Fm., adit to E from 40 yd W of 2nd Sh. Small overgrown shale dumps. Worked for lead, ~1870 or earlier. No records.

AKHJ (1981) 47-48. Wh. HARRIS, on Gatherley Fm.
"Mines of Devon"

Details; history. Lode to 20 ins of quartz and mundic [pyrite] w. spots of copper ore [chalcopyrite ?] & stones of lead [galena]. Sir A Russell in 1948 found, on dump directly adjoining farmhouse, fine-grained galena, pyrite a little, sphalerite, & jamesonite

HARRIS MINE, Milton Abbot, Devon

See CHILLATON & HOGSTOR M

1" 1747

SS 278 248

Wheal HARTLAND, Hartland, Devon.

PFC, P.MMCJ (1973)[1], 4; (1974)[1], 9.

Shaft at 278 248 in field 350 yd SE of Rosedown Mill; for copper. Early 19th Cent.

HATHERBY M., Devon

See HATHERLEY M

1" 175, 187 =HATHERBY SX 74 76

HATHERLEY MINE, Ilsington, Devon. S 116

See also PLUMLEY M, etc.

JC (1871) 69 (Fe) Magnetite; limonite
HATHERLEY M., ILSINGTON

Dines (1956) 726 Magnetic iron ore recorded 1866, 1877 from "HATHERLEY M.". Ca ¼ mi W of PLUMLEY M. is a place called "Hatherleigh". The mine might be one of those near Plumley M & the "magnetic" one might be specular haematite.
[Ilsington is, however, near Haytor which is well known for magnetite]

J. Brooke Plym MMCJ (1975) 6 [3] 7-8

Iron mine 1866-70. "Magnetic iron ore" Located by Dines (1956) in Bovey Tracy

1" 175 SX 7981

HAWKMOOR MINE, Lustleigh, Devon

See also KELLY M., etc

Dines (1956) 726 1m ENE of Lustleigh

ENE lode of granular specular haematite. Adit portal 450 yd N by W of Slade Cross

1" 163 SS 5 3 ?

HAWKRIDGE WOOD, Barnstaple, N. Devon N.16

JC (1871) 70 Anthracite

Barnstaple SS 53

Unplaced

HAXON DOWN MINE Devon

J Brooke. Plym MMCJ (1975) 6 [3] 7-8

Iron mine; red haematite, manganese ore

1" 163 SS 656 371

HAYTON MINE, Bratton Fleming, Devon

See also BRATTON FLEMING

OS 2½" map. "Iron Mine" at 656371

Dines (1956) 760 = BRATTON FLEMING MINE.

Shallow surface workings, short adits, a shallow shaft. "Iron mine" but only ore seen is "black oxide of manganese", botryoidal & as stains. Quartz + limonite observed in nearby quarry.

PFC, PMMCJ (1973) 4[1] 6 Adits at 655 370,
worked 1874 for iron

Dartmoor 1" 187, 1" 175 7_{7x} 7_{7y}.

HAYTOR, Devon. SX 7577 (I) S 28

N of Ashburton. 76677

BM: Grey green apatite, with tourmaline.

Mn;

IRON MINE at 1" 175 77x77y, Rhodonite, blocks in field.

JC(1871) 68 Haytor, Dartmoor: Agate; chalcedony; garnet; "haytorite" (quartz pseudo after datolite); hornblende; magnetite; opal; orthoclase. An Iron mine (p.55).

TMH(1868) 58. Granite. Agate; chalcedony; garnet; felspar; "haytorite"; hornblende; magnetite; opal.

PTO

Raynors Cat. (1960) Magnetite

C. Rogers (1968):- HAY TOR:- magnetite

Rudler (1905) 66. Magnetite, thick beds (surrounding rocks, (altered slates & sandstones, Carbonif) much silicified & contain hornblende, garnet, axinite, etc.

p 97 "Haytorite", chalcedony ψ after datolite, also chalcedony ψ after calcite

104. Chloropal [=Nontronite]

B. Cooper (Specs → RSOB, 11/69):- Magnetite nice sharp octahedra; spec. haematite; chalcedony ψ-after calcite, with black specks ?Fe oxide; siderite plates; actinolite needles. Cockscomb arsenopyrite xls.

HAYTOR, Devon (II)

Cryst. Vine Cat. (7/04) Hastingsite, HAYTOR
VALE M.

1" 175 SX 695 808

HEADLAND MINE, North Bovey, Devon.
See also BIRCH TOR & VITIFER, etc.

Dines (1956) 720-3, Map, p. 722. Part of BIRCH TOR & V. complex. Small mine, on lodes outcropping on E side of Headland Valley. Surface excavations, with quartz veinstone with tourmaline & specular haematite, in pink granite with known tourmaline strings. Active ~ 1860-1870, but no records of output. [Presum. cassiterite]

1" 186 SX 38 85

HEALE MINE Lifton, S. Devon S 37

See also Wh. HENRY; LIFTON MINE

Collins (1871), 66. (Mn, working). Psilomelane, pyrolusite.

Dines (1956) 715 Wh. HEARLE

Lifton: SX 38 85

1" 163 SS729 326

GREAT HEASLEY, North Molton, Devon

See also BAMPFYLDE MINE

PFC, PMMCJ (1973) [1] 7 Unnamed shaft 350 yd N of Gt. Heasley Farm. Reported to be ancient copper working. [Near, E on line of Bampfylde mine workings]

1" 176 SX 94 92

HEAVITREE, Exeter, Devon. S 144

JC(1871) 70 Orthoclase, incl. var murchisonite.

TMH(1868) 58 Felspar; "murchisonite"

Rudler(1905) 100 "Murchisonite", flesh-red var of orthoclase with schiller, from boulder in Trias. conglom

1"176 SX 807 858

HEDGEMOOR FARM, Bridford, Devon.

P. Cornish (Farm owner)(1974) Priv. Comm.

Pegmatite revealed, on dragging pond in front of farmhouse. Superb clusters of quartz crystals, with orthoclase, excellent schorl xls.

[RSWB 74-163 is a poor example]

1" 187 Plympton St Mary SX 571-2; 584-5

HEMERDON, A Devon (I) H. Mine at ca 572 585

See also PLYMPTON; HEMERDON CONSOLS, etc

BM: Scorodite, v.g.

Bull Inst Mining e Metall.

Opencast W mine worked in world war II, closed 1944. On N slope of Hemerdon Ball Stockwork of cassiterite-wolframite-quartz veins in altered, kaolinised, crumbly granite e greisen, with tourmaline. Arsenopyrite rare as mostly altered to well cryst scorodite e more rarely, to pharmacosiderite.

RSWB, 30/7/65 4 195-6; 9/8/66, 5 46; RSOB, TBG 5/8/67, 5 91

Large shallow opencast around 571-2 584-5 on N slopes of the hill. Coarse reddish-rotted mica-quartz greisen. Many steeply-dipping greisen veins in granite, like Cligga Head but reddish with iron-staining. Vg blue scorodite xls; vg green to brown cubes pharmacosiderite; embedded masses & xls wolframite; quartz; schorl; cassiterite xls, limonite/goeth. The scorodite & pharmacos mostly in ferruginous zones just outside quartz bands.

← some greisen both sides!

C. Rogers (1968):- HEMERDON BALL:- Wolframite; scorodite.

Dines (1956) 688-9. (Photos) Wolframite - cassiterite

HEMERDON, Plympton St. Mary, Devon (II)

stockworks in granite. Hemerdon Ball is a small granite boss w. irreg. outcrop A 2-3 ft quartz lode E 20° N with sporadic bunches of wolframite at margins, was exposed in a quarry. Prospected 1916 & stockworks found to NE. which then proved to occupy much of the granite spur, 1160 x 650 yds. Open-casted 1917-19; prospected 1937-8, 1940-44

Where not mineralised, granite coarse-grained, unaltered. but in mineralised spur is kaolinised & has numerous greisen bands,

with quartz veins with wolframite and cassiterite. Soft & easy to work, but hardens deeper where greisen often tourmalinised

N. Carruth's dealers catalogue Mar/April (1996)

Alumokungstite buff-coloured, pseudo- after small blades wolframite in quartz.

HEMERDON, Devon (III)

R. Sec. N. 23 (1992)

Hemerdon Mine, Plympton, Devon
8th September 1991

Fourteen members assembled in excellent weather conditions to sample the delights of Hemerdon open cast mine. Trenches were started in various orientations to the legendary Lloyd - Gamble trench. The inexperienced bore with fortitude the cries of " you should have been here two years ago", as respectable samples of scrodite were unearthed. The more quick-witted noted activity on the SE cliff face and after the first tons of rock had been removed began to realise that a rich vein of pale blue scorodite and almost malachite green pharmacosiderite had been found. On the SW face the cassiterite enthusiasts found a chlorite vein with some good cassiterite crystals. An excellent way to spend a day!

David Roe

R. Sec. N. 23 (1992)

Hemerdon Ball, Plympton, Devon
5th July 1992

The 20 strong party were well divided between locals from the South-West and outlanders from the East. A large quantity of landfill has been deposited in the top exposure in the last 12 months and the cassiterite vein that was so rewarding last year is now buried, to be conserved for future generations. The party divided into two main groups. One attacked the much turned over 'Lloyd-Gamble' trench, while the other excavated the cliff surrounding the area. The rather spoilt brats from the South-West claimed little was found with the time honoured 'you should have been here 20 years ago', but at least three people found and shared some noteworthy scorodite, including a 2"x2" patch of glassy crystals covered with an attractive iridescent sheen. Pharmacosiderite was rather lacking, as though put off by the sunny weather. The trip leader claimed the day's record for the removal of 2 cubic metres of granite for 2 poor microsamples; just warming up for a bonanza find in 1993.

David Roe

NWB. Leader: Ian Dossett, Reporter: Jim Robinson. RSN(1996) 38

8 September: Hemerdon Ball, Plympton, Devon [Grid Ref: SX 573 587].

An early start from Warrington was somewhat curtailed by an unexpected stop at Bristol Royal Infirmary for the first four members who set off for this trip (before any hammer or chisel had made its first strike). The patient was given a course of antibiotics which was a relief to all that it was not too serious. Late but unperturbed the four arrived at Hemerdon Ball having missed a rendezvous with another member because of the stop. The areas that have been previously exposed are still revealing blades of wolframite, golden yellow micro pharmacosiderite, scheelite, specular hematite, fair to good scorodite, with some nice small free standing crystals, and small but excellent cassiterite. Most of the specimens found came from the trench that has been worked upon by most other people.

RSN('04) 45, 41 Dumps visit

RSN(1997) 30

Trench dug by David Roe examined w. owners' permiss.

RSN('02) 40. Visit 8/01

V. good cassit, scorod, phrsid.

BMSN('02), 63, 18 (R. Belson)

"olivenite eposs torbernite"

RSN('03) 42, 5.

Waylandite pink/peach cubes, "tested".

~~Recorder~~ p32 Tungstite yellow crust on wolfram

HEMERDON, Devon (IV)

MGH Merry, priv comm 12/06 Stefan Weiss has ident arsenoflorencite-(Ce) from Hemerdon.

MGH Merry, spec → RSWB for ID. [06-101] 9/06 Ferberite small black needles with quartz as hollow epimorphs after a bipyram. mineral [scheelite, fluorite, pyrite??] on large ferberite xl. Black needles :- XRD powder (M. Jones) = wolframite grp. EDX (D. Plant) major Fe, W; trace Mn; NO Zn.

1" 187 SX 567-9 580

HEMERDON CONSOLS MINE, Plympton St. M., Devon

See also MARY HUTCHINGS M., HEMERDON,

Dines (1956) 688. To E of MARY HUTCHINGS, separated from it by lane. 3 ENE lodes ≈ 60 yd apart, through lobe of granite to S from Hemerdon Ball mass. Levels, shafts. Surface is pitted & some quartz fragments have cassiterite (coarse).

1" 176 SX 83 81

HENNOCK Chudleigh, Devon. S 142

See also RILEY MINE, S. EXMOUTH MINE (=HENNOCK MINE)

JC (1871) 70 Baryte; blende; cerussite; galena; haematite; malachite.

TMH (1868) 58. Ditto, without haematite.

GeL (1858). Haematite, specular & red

1" 186 SX 3 8

Wh. HENRY, Lifton, S. Devon. S 38

See also Wh. HEALE; LIFTON M.

Collins (1871) 66. (Mn) Psilomelane; pyrolusite.

Dines (1956) 715 Mn mine.

Lifton, SX 3885

HEN(S) ROOST MINE, Lydford, Devon.

See HEXWORTHY MINE

1" 175 Top at SX 578 743

NORTH HESSARY TOR, Dartmoor, Devon

A Bramall MH 21 14. Water clear quartz crystal from a cavity has minute gold inclusions

1" 187 Centron. SX 656 707

HEXWORTHY MINE, Lydford, Devon.

Dines (1956) 729 Includes HOOTENS WHEALS and HENSROOST MINES.
Main Lode N10°W. Old surface workings for 500 yd S from the O. Brook 700 y NE of Skir Hill. Adit portal near stream.
Crossed by EW HOOTENS WHEALS LODE
HENSROOST M. worked a NE lode - line of old opencasts for 350 yd SW from O Brook valley 420 yd NW of Hexworthy adit portal Shafts. § Coarse cassiterite.

PMMCJ (1973) 4 [2] 11-13 Indust. archaeology, sketch-maps; section through HENSROOST M.

1"163 SS nr 653 290 N 28

HIGH DOWN QUARRY, Heddon, nr Filleigh S. Molton, Devon

West Buckland pH !

See also FILLEIGH (N 5)

OUM Wavellite, W part of quarry. (Classic loc.)

AWGK RGSC (1964) Variscite more glassy globules than wavellite, e with hexagonal exfoliations, with dark rims when fractured. The classic "near Barnstaple" wavellite loc. W quarry

RWB (8/66) 5 44-45. 2 quarries, at 653 290, older W. quarry has wavellite on some joint planes. None seen in E quarry which has much whiter shale

AWGK MM 33 lxiv (1962) Exhibit: Variscite

B Cooper e others coll v. fine wavellites e some variscites during 1970's.

R. Turner, Pers Comm 6/80. An unidentified greenish-blue mineral [BM X-ray = unk. Has Al e PO_4 in analyses] has been found coating (or replacing?) wavellite to give smooth blue surfaces to spheres. Looks a bit like rashleighite in colour "??? berlinite??"

D. Hold (1983) BMSN'e 9

BMSN (1989) 26 4-5 Wavell, variscite

HIGHER KILN Qy. Buckfastleigh

See BUCKFASTLEIGH

1" 175 SX 536 807-8

HILLBRIDGE CONSOLS MINE, Peter Tavy, Devon.

Dines (1956) 710-711 2 mi NE by N of Mary Tavy.
3 EW lodes tried from 3 shafts. NEW ENGINE Sh.,
420 yd NE of Hill Bridge; OLD ENG. Sh. nearby.
both on S lode, shaftless middle lode 110 yd
to N; Shaft on N lode 200 yd N by W of New
Eng. Sh. A NS x-course. 2 other lodes in
field E of Chilly Wood & NW of Hill Bridge,
with a x-course 500 yd W of the other.
Unsuccess. No records.

1" 175 SX 69 92

HOBHOUSE QUARRY, Drewsteignton, Devon

Mem. G.S. "Okehampton" (1968) At entrance to quarry, at 6944 9205, lowest beds are of dark impure limestone with interlocking aggregates of axinite x/s to 6 mm with opaque inclusions

RSWB 30/7/93 Visited, permiss. of Mr Partridge of "The Chine". Natives say had a tin mine associated & a level was open many years ago. The W portion filled in v20 yrs ago - now a field. The E part of the E part explored. Very overgrown; no clearly vis. outcrops; boulders

on floor coated with moss. N side a soil-and-rubble slope. Rubble from old q/y dumps said to form the wooded hillock adjacent to N. Brownish angular killas most common -barren. Irreg boulders of dark grey elvstone occas w. minerals: One veinlet w. 2 generations of quartz: earlier pyram → prismic to 1mm across; later of v. transp. pale yellow complex prismic xls to 2 × 3 mm. Calcite late, infilling between other species or as brownish semi-opaq. cuboid 0.25mm rhbedra on late qtz or c'less transp simple rhbedra to ≤1mm on earlier quartz (both effervesce w. HCl) Axinite, transp brown to 1mm; uncommon. Andradite pale yellow to dark, clustered, common – rhomb-dodec to 3mm (FTIR 7/93)

1" 175

OS6in SX 432 813

HOG'S TOR MINE, Milton Abbot, Devon

See CHILLATON & HOGSTOR MINE

1" 176, 188 SX 95 74

HOLCOMBE, Dawlish, Devon

B. Cooper, Spec → RSWB 10/76 RSWB 76-188, 189

Limestone block on beach had cavities lined w. dolomite x/s. One small vugh has yellow golden lustrous blades some with red tips. Square terminations; tendency to radiate. Looks like cacoxenite but ⊖ > $CHBr_3$ e insol HCl. Probably = baryte

1" 163 SS 6½ 4⅞

HOLDSTONE DOWN MINE, Combe Martin, Devon

PFC, PMMCJ (1973)[1] 6. Exact loc unk., Somewhere on Holdstone Down [Centred on 620 480]. Worked for iron, 1872-6

1" 175 SX

HOLSTOCK, Okehampton, S. Devon S 46

JC (1871) 66. ?Chiastolite

[? = HALSTOCK, SX 601 935]

1" 187 SX 426 661

NORTH HOOE MINE, Bere Ferrers, Devon.

See also S. HOOE M., BERALSTON MINES, etc. HANCOCK M [CORNWALL]

O.S. 6in.: Pb/Ag mine

Dunham. F. (1952), 119. On same NS Pb lode as S. HOOE MINE. 100 fms deep. quartz, fluorite, galena. Has also been known as NORTH TAMAR MINE & possibly = TAMAR CONSOLS.

TMH (1868), 35. N. Wh. TAMAR: blende, galena, chalcopyrite

Dines (1956) 682 = HANCOCK AND N. TAMAR M. PTO

Includes HANCOCK M[St. Dominick, CORNWALL]
Engine Sh. 40 yd E of Tamar, 600 yd W of
Whitson; X-cut adit from river level
30 yd NW of Sh.

Galena, fluorite, a little sphalerite

1" 187 SX 423 654 S 83

S. HOOE M, Beerferris S. Devon

See also BEERALSTON MINES, etc., N. HOOE MINE; NEW S. HOOE M [CORNWALL]

JC (1871) 68 Dolomite; fluorite

OS 6in: Ag, Pb.

Dunham, F (1952), 119. = TAMAR SILVER-LEAD MINE.
On same lode as N. HOOE. Worked to 205 fms. quartz, fluorite, galena.

Gel. Dolomite. Argentif galena - 135 oz/ton!!

Dines (1956) 682-3. = TAMAR SILVER-LEAD M.
Engine Sh., 900 yd SW of Whitson, 50 yd from river. On dumps, granular quartz

but no fluorite seen. Returns Ag/lead ore, fluorspar.

HOOTENS WHEALS, Lydford, Devon

See HEXWORTHY MINE

Unplaced

HOOK HILL MINE Devon

J Brooke Plym MMCJ (1975) 6 [3] 7-8

Iron mine, working 1870 – "brown haematite"

Wh. HOPE Shaft, Mary Tavy, Devon

See Wh. FRIENDSHIP

1" 188,

HOPE'S NOSE, Torquay, Devon (I) SX 949 636 S 5

See also TORQUAY, etc.

Gordon WT (1922) Nature 109 583. "Nat. gold at Torquay, Devonshire"

AR, MM, 22, 159, (1929). Dendritic Gold in calcite veins.

1st ref in M.G.S. "Torq" (1903) p 48 – gold in calcite just SE of Torquay. Found at HOPES NOSE by Gordon, Nature (1922) 109 583. Reexamined by AR 1927 & 1928. [V fine specimens, in BM]

RW Barstow coll. a fine lot in 1980

BV Cooper coll a fine lot in 1981. The Torquay Mus had some of Gordon's material.

BV Cooper (1981) Tel. commun:– the BM has found mertieite on some of

as tiny grains
Barlow's material. [Fleischer (1980):-
mertieite-I : $Pd_{11}(Sb,As)_4$ (?) brass-yellow;
mertieite-II : $Pd_8(Sb,As)_3$ trig. (82-110)]
Spec → RSWB → to BM

AM Clark & AJ Criddle (BM(NH)) "Pd mins. from H's Nose, Tor., Dev." MM (1982) 46 371-7.
The Au is Pd-rich, Ag-poor — Russells angl. prob confused Ag with Pd.
Pale blueish-grey looking inclusions close to, or on outer surface of grains & dendrites from one vein — the only one S of the sewage outflow, are of mertieite II and of isomertieite. Spec's examined were BVC's, compared with some of AR's.

HOPE'S NOSE, Torquay, Devon (II)

Descrip, hist, geol. & deposit. Assoc mins; calcite (incl. muscovite bearing in the Pd-rich vein S of the sewage pipe), yellowish, ~~and~~ (presumably ferroan) & reddish with haematite inclusions; aragonite, pure white, rarely; quartz v.rare; dolomite relicts & xls. limonitic boxworks.

The Au is never in the red calcite always in the buff-yellowish, also with the dolom relicts & with fine-grained haem.

The merenskyite II is nr. $Pd_8(Sb,As)_3$ Sb/As ~ 5

The isomertieite is nr $Pd_8(As,Sb)_3$ to $Pd_{11}(As,Sb)_4$ with Sb/As ~ 1.

Scrivener RC, Cooper BV, George MC & Shepherd TJ Proc Ussher Soc (1982) 393. "Gold-bearing carbonate veins in the Middle Devonian Ust of Hope's Nose, Torquay (Abstract)" [Read @ annual Conference, Jan. 1982]

Includes fluid inclusion study. Also mentions chalcedonic qtz, traces pyrite, marcasite goethite.

Silvery & deeper coloured Au's have up to 16% Pd, but much is v. pure Au. In some spec's traces of Ag at limit of analyses (≈ 1%).

Harrison S & Fuller J (1987) Min Rec 18, 85-8, "Gold from Hope's Nose, Torquay, Devon, England"

HOPE'S NOSE, Torquay, Devon (III)

C.J. Stanley, A.J. Criddle and D. Lloyd, Min. Mag. (1990), 54, 485-493 "Precious & base metal selenide mineralisation at Hope's Nose, Torquay, Devon".

Details, map, history etc of the Au bearing veins at Hopes Nose. Some veins rich in selenides particularly the one directly above the sewage outfall. - small amounts also in a vein in line with this which outcrops in the old quarry to the NW. Clausthalite (PbSe), tiemannite (HgSe) umangite (Cu_3Se_2), klockmannite (CuSe), penroseite [(Ni, Co, Au)Se_2], trustedtite (Ni_3Se_5), tyrrellite [$(Cu, Co, Ni)_3Se_4$], eucairite (CuAgSe),

naumannite (Ag_2Se), fischesserite (Ag_3AuSe_2). Also pyrite, chalcopyrite, cerussite, aragonite, calcite, haematite, dolomite, ~~pyrrotite~~ gold, isomertieite, goethite, malachite

Leake, R.C., Bland, D.J., Styles, M.T., & Cameron, D.G. (1991) Trans Inst. Min. Met. (B); 100, B 159-178 "Internal structure of Au-Pd-Pt grains from south Devon, England, in relation to low-temp. transport & deposition".

Paar, W.H., Roberts, A.C., Criddle, A.J. & Topa, D. (1998) "A new mineral, chrisstanleyite, $Ag_2Pd_3Se_4$, from Hope's Nose, Torquay,

HOPE'S NOSE, Torquay, Devon (IV)

Devon, England" Min. Mag. 62, [2], 257-264

Details; from a few black fragments, from a vein ~ 50 m NE of the "selenide vein" of Stanley et al (1990). With fischesserite gold (Ag-e Pd-), clausthalide, a phase similar to oosterboshite ("uk3", $(Pd,Au)_7Se_5$); "Uk 2" ($PdSe_2$); "Uk 1" ($HgPd_2Se_3$); tiny inclusions of tiemannite, eucairite and umangite in the Au e the "Uk 1". Also a Pd-As-Sb mineral, poss. ~~merteiteII~~ merteiite II, cerussite; bromian cerargyrite

AC Roberts, Paar, WH, Cooper, MA, Topa, D., Criddle, AJ, & Jedwab, J.

"Verbeekite, mon. $PdSe_2$, a new mineral .... Congo"

A single anhedral 25 μ grain of Verbeekite at Hope's Nose, assoc. w. Au, Chrisstanleyite etc. — — [v. supra – it is "UK 2"].

1" 175,187 SX 40 74

HORSEBRIDGE, Sydenham Damarel, Devon

Dines (1956) 651 300 yds S of Horsebridge, [ie near 400 744] EW quartz reef exposed in river bed, with arsenopyrite, pyrite

1"175 SX 531 705

HUCKWORTHY BRIDGE (Sampford Spiney) K75

See also in GEORGE Tavistock. 3 mls E&SE of Tavistock

AWGK, MM, 31, 500 (1957) Erythrite; arseniosiderite (derived from alteration of eryth.?)

JC (1871) 67 (Cu) Chalcopyrite

AWGK, RGSC (1964) The "smaltite" is cobaltif. löllingite

Dines (1956) 698 On E extension of N. Lode of Wh. GEORGE [q.v.]. X-cut adit 190 yd ENE of bridge 30 fm SSE to lode, driven on 60 fm E. A shaft 230 yd E by N of bridge just N of lode. 200 yd E by N of the Sh., in lane S of Lower Dittisham Fm is outcrop of a manganese

bearing lode on same strike.

Another shaft, on(?) Mill Lode E 30°S 80 yd ESE of bridge.

Dumps have bluish peach & quartz. Metallic minerals rare.

Cryst. Vine cat (7/04) Chlorite nice micro's "GEORGE & HUCKWORTHY M.," Walkhampton

BVC. Spec → RSM 6/81 Siderite, grey cleavable

1" 187 SX 47 64,5?

Wh. HUNT, Buckland Monachorum, Devon

PMMCJ (1975) 6 [1] 16. Reprod of 19th Cent advert for Wh. HUNT copper mine, B. Mon, near R. Tavy & Lopwell Quays. 2 Lodes, E & W. ca 70 fms apart. S lode - gozzan, spar, mundic [pyrite], copper ore N lode has mundic [pyrite]

[? = LOPWELL MINE or N contin]

SX 671 670

HUNTINGDON WARREN, D'moor Devon.

RC Scrivenor, BV Cooper, OA Baker. Proc Usher Soc., (1977) 4 [1] 7-10

Quartz pseudo after fluorite

1" 163

SS 46/30o ?

HUPPLESTONE MINE, Northam, Devon

PFC, PMMCJ (1973)[1] 4. = UBBASTONE M

x riverside ½ ml S of Appledore quays.

Trial for Ag-lead, 1851-2.

1"163 SS 615 318?

HURSCOTT MINE, Swimbridge, Devon

PFC, PMMCJ (1973) [1] 6. At 615318 or in valley to [61 32] N?. Worked 1845-7 for Ag-lead.

1" 188 Sx 89 77

IDEFORD, Devon

Crystal Vine Cat (7/04) Calcite, dogtooth → 8 mm
from GREALY Qy

1" 163

SS 5147

ILFRACOMBE, Devon

N 1

Rutley, 15th. Ed., p. 203, millerite [See Combe Martin]

JC (1871) 69 70 Millerite; aragonite; haematite.

TMH (1868) 58 Ditto, in Dev. Slate & Lim.

Rudler (1905) 98. Aragonite, coralloidal, "from the Ilfracombe limestone"

G&L (1858) Aragonite, spicular, very fine Millerite, near Ilfrac.

1" 175 SX 78 76

S 114

ILSINGTON, Devon.

See also HAYTOR, HATHERLEIGH

TMH(1868), 57. Magnetite, in Mill. grit. (See Hatherley Mine, § 5116)

J. Brooke Plym MMCJ (1975) 6 [3] 7-8

Lists iron mines: HATHERLEY [qv] magnetic ore
ILSINGTON (1872, magnetic ore)
OLDERTOWN (1873-4, output not recorded)
ROCK HILL (1873, output not recorded)
SHOTTS (1873, output not recorded)

1" 175, 187 SX 436-44$_5$ 71$_5$

NORTH IMPHAM MINE, Tavistock Hamlets, Devon

Dines (1956) 674. On North Impham, Chimney Rock, or Iron Lode, outcropping 400 yds S of S. Bedford mine Main Lode; ≈ EW. Deep Adit Level,
* PTO near river, 700 yds S by E of Gunnislake New Bridge. [ie, near 436, 716] in which lode of gozzany quartz + clay some sulphides e Cu stains
* PTO Shafts e dumps 360 y e 530 y to E of adit portal 85 y E of 2nd dump e 35 y E of Impham house a shallow adit level 320 fm to E above which old crop-workings. with quartz, chlorite, occas. wolframite e cassiterite Lode probably = one cut in Tavistock Canal Tunnel [qv]

* [Working from Impham house, OS 6" map shows both dumps, at 439_2 715_2 & 444_3 715_1; from which Deep Adit should be near 436_0 715_3 – i.e. 800 yds (not 700 yds) from Gunnislake New Bridge]

IPPLEPEN MINE, Ipplepen, Devon

J. Brooke Plym MMCJ (1975) 6 [3] 7-8
Iron mine, 1875, output not recorded

[Ipplepen, SX 83 66]

1" 187 SX 63 56 ?

IVYBRIDGE, S. Devon. S 96

JC (1871) 68 ?chiastolite; orthoclase.

TMH (1868) 58 Altered Dev. slate. chiastolite; felspar

C. Rogers (1968): IVYBRIDGE CONSOLS MINE: galena; sphalerite; fluorite; pink calcite

? SX 64 55

1" 175 6" Devon 77 NW SX 62 93

IV(E)Y TOR MINE, Belstone, nr Okehampton, S. Devon (I) S. 47

JC (1871) 66. (Ge) Axinite; bismuthinite; chalcopyrite; marcasite.

GR + AWGK 5/60. Main level open, with some water, goes in S, soon branches SW. Below are v. overgrown dumps e ruins. Ca 70 yds SW, up a gully, is a small blocked trial hole, going in sloping W – this has bright-red massive quartz.

Ca 500 yds W by S of main level, a collapsed trial level e small dump (visible from near the road at the village), iron-stained water coming out. Calk-flintas; one spec. massive brown garnet.

AWGR, RGSC (1964) Sheelite

Dines (1956) 753 On S bank of R. Taw, ¼ mi SW of Belstone Mine [ie ≈ 62₈ 93₇]. 40 fm deep in 1870; said to have arsenopyrite & bismuth ore

Russ Soc Newsl (1992) 23 Chloride matrix abundant, fringes arsenopyrite. No Bi mins seen ← Revers. alt. to/from phosphate

XRD 4/94 (Roy. Scot Mus) = Talmessite + rauenthalite

MM 3/94, spec → RSWB (94-17) Talmessite (FTIR, 3/94; new to Britain) white radiating clusters on silvery ore (not arsenopyrite) – FTIR 3/94 no abs > 400 cm⁻¹. prob. löllingite); in pinkish ferroan dolomite (FTIR, 3/94)

IVY TOR MINE, Belstone, Devon. (II)

RSWOB, M.G.H.Merry & B.Jackson (1996) J. Russ. Soc. 6 [2] 100-161 "Talmessite, with raventhalite or phaunouxite, from Ivy Tor mine, Devon, England".

1" 175,187 SX 432 737

Wh. ✱ JOSIAH, Tavistock Hamlet Devon

Part of DEVON Gt. CONSOLS [q.v.]

Dines (1956) 658-9. Traces cassiterite

R. Turner, Rin. Comm. 6/80. Best part of Devon Gr. Consols. Arsenopyrite x/s., good siderite boxworks lined w. x/s. to several mm.

1" 175 SX 52 81

Wh. JEWELL, Mary Tavy, Devon

Dines (1956) 710. N, Middle, & S Lodes.

Middle: Several sh's, eg No 3 Sh 820 yd WSW of Willworthy Bridge. No 4 Sh 100 yd to E; No 2 sh 50 yd W of No 3; No 1 290 yd W of No 3. NEW or WEST JEWELL Sh, on lode 940 yd W of No 3 Middle lode most import. 2-20' of quartz, chlorite, w. arsenopyrite, cassiterite.

N: N sh. 200 yd NNW of No 3 sh. Chloritic lode, more pyritic than Midd., more sporadic Sn.

S: Outcrop pits 150 yd S of Midd. Lode workings Much arsenopyrite; some cassiterite

Lodes converge W → ~ W. JEWELL SH.
HILLTOWN LODE is ~ 600 yd S of Middle Lode;
LOWERTOWN LODE is ~ 200 yd further S. Both
not developed.

Abandoned 1797, reopened briefly 1865,
1911, 1924. From ~ 1916 worked with Wh.
Friendship [qv] as "WH. JEWELL & MARY TAVY MINES".

1" 175 Lustleigh, Sx 794817 (2) 11

KELLY MINE, ~~Teign Valley~~ Devon

See also TEIGN VALLEY; HAWKMOOR M, PLUMLEY M, SHAPTOR M, SHUTTAMOOR M, WRAY M., MOORWOOD M, LAPLOYD DOWN

Ramsden, MM 27, 75, (1945). Fe mine.

Michell, Mine & Quarry Eng., (Jan, 1945). Micaceous haematite.

Dines (1956) 725, 726 Micaceous haematite lode worked by adits on steep hillside 3/4 ml E of Lustleigh. Details given. Microscopically, lodestuff of quartz-tourmaline vein, brecciated & rexlised, with haem. plates intergr. with tourm & qtz at margins

Roberts, P in ed Newman, P. Bull PDMHS (1996) 13, [2], 163-7

"Kelly mine [a small micaceous haematite mine near Lustleigh, Devon]: the first ten years" [Industrial archaeology]

KING'S OVEN MINE, North Bovey, Devon (1" 175 SX 7484) S 110

JC (1871) 69 (Sn) Cassiterite

1" 187 SX 71/66? S 26

KINGSWOOD MINE, nr Buckfastleigh, Devon.

See also BLACKWOOD M.

MM, 19, xli (Jan, 1922). Pitchblende.

G.S. Specimen: gozzan with secondary U min's.

Darnley et al MM (1965) 34 163 King's Wood mine:
"... a yellow hydrated U mineral, which structurally resembles sabugalite".

GR, IR

Kankite

1" 187 SX 562 675

KIT MINE, Sheepstor, Devon

? = IV4

Dines (1956) 704 Old tin trial, one furlong SE of Sheepstor retried ≈ 1915 by adit S from near stream, a 60 ft shaft, & pits. Quartz strings with cassiterite as long, light brown to yellow x/s with red haematite in granite under killas but no true lode.

KITTS MINE, Lydford, Devon

See LYDFORD CONSOLS

1" 163 SS 597 466

KNAP DOWN MINE, Combe Martin, Devon.

See also COMBE MARTIN etc.

Dines (1956) 758. Nearly 3/4 ml NE by E of St Peter's Ch, c 900 yds E by N of Harris's Sh. of Combe Martin mine. Quartz, siderite, finely granular galena.

PFC, PMMCJ (1973) [1] 6. Shafts & adit at 597 466 200 yd ENE of Silver Mines Farm. Ancient Ag-lead workings, reopened 1836-46; 1848 (as NORTH DEVON Wh. ROSE); 1850 (as NAP DOWN CONSOLS; 1859 – ≈1867.

KNOWLE QUARRY Devon.

Quartz, var. Cotterite

[? Knowle, SS 49 38]

LADY BERTHA MINE, Buckland Monachorum S. Devon (1" 187) (SX 471 688-9) K 33

Little map 15

JC(1871)(68) (Cu) Chalcopyrite

Dines (1956) 701 Lode E 12° N, contin. on E side of Tavy of TAVY CONSOLS lode. Moyle's Engine Sh. 100 yd E of river; 220 yd N of Balstone. Meets Adit level (from 40 yd from river bank) 25 fm to W) Other sh's. Crosscourses.
Brecciated killas & quartz with some chlorite; chalcopyrite, arsenopyrite, pyrite, siderite, cassiterite scattered through quartz.

B V Cooper. Spec → RSWB for ident, 12/77 [77-133]

CO_3-apatite, small c'less hex platy, on peach

EAST LADY BERTHA MINE, Buckland Monachorum, Devon.

See E. BERTHA MINE

EAST LADY BERTHA MINE, Buckland Monachorum, Devon.

See E. BERTHA MINE

1" 187 SX 479679?

S. LADY BERTHA MINE, Buckland Mon., S. Devon. S 81

JC (1871) 68 (Cu) Chalcopyrite

Dines, (1956) 701-2. = LUDBROOK MINE. Small mine on EW lode on E bank of Tavy. Engine Sh. 40 yd E of river, & 450 yd SW of Torr Fm. Short adit. Dumps now in private garden, scattered & overgrown, but open gunnis between river & road exposes lode of brecciated killas with strings of quartz & chlorite, with pyrite. Active in 1865.

LADY ELIZABETH MINE, Ermington, Devon

J. Brooke Plym MMCJ (1975) 6 [3] 7-8
Iron mine, 1848. Ochre

[Ermington, SX 63 53]

LAMERHOOE MINE, Tavistock Hamlets, Devon

= W. DEVON CONSOLS (q.v)

1" 163 SS 5931 31

LANDKEY, Barnstaple, N. Devon. N 17

JC (1871) 70 Blende; galena.

TMH (1868) 57 —"— —"— in Mill. gr.

LANGSTONE MINE, Brentor, Devon.

See WEST OF ENGLAND MINE

1" 175-176 ~SX 80 85

LAPLOYD DOWN, Bridford, Devon

See also KELLY M, etc.; HATHERLEY M.

Dines (1956) 726 3 old sh's spread over 700yd on Down prob. tidls on an E 30°S lode. Dumps of granite w. strings of hard specular haematite & brown haematite. no records. Might = HATHERLEY M [9V]

1" 176 SV 80 88 S 21

LAWRENCE MINE Teign Valley

See also TEIGN VALLEY; ANNA MARIA MINE

MM (1945). Pb; Ba. (1850). [Ramsden, MM 27, 75]

Dines (1956). 746. Started ca 1846-7, e worked together with ANNA MARIA M. for a short time after 1852. Said to be 7 E-W Cu lodes intersec. by SE-NW Pb lodes (these N continuations of the Teign Valley lodes carry quartz e sporad. patches of baryte, blende e some galena; at intersect with one of the EW lodes there is considerable Cu-staining).

Accord. to reports in Mining Journal. 3 Cu lodes opened by small pits, e

showed gozzan with chalcopyrite, pyrite, quartz, & in one case galena.
WHIM Sh. is 375 yds ESE of Dunsford Mills.
In Culm measures killas.

1" 187 Cent. on SX 570 620

LEE MOOR, Shaugh Prior, Devon

OS 1" map:
Village on Dartmoor, surrounded by quarries ("works") & "Mica Pits" [cent on SX 563 619]

CS Hogg & RE Mead MM (1969) 37, 606-614 "The Mössb spec'a of several micas & related minerals"
Muscovite - Lee Moor

BMSN (2000) 57, 8. Stream cassiterite

1" 175 SX 457 846

LEW WOOD MINE, ~~Lewtrenchard~~ Coryton, S. Devon. S41

JC(1871) 66 (Mn) Psilomelane, pyrolusite.

Dines (1956) 714 LEWTRENCHARD = LEW WOOD M
Almost obscured sh's & surface wkgs in S end of Lew Wood, 400 yd W by N of Coryton Barton. Mn ore. Produced in 1845.
Output for 1856-60 & 1867-8 included in CHILLATON & HOGSTOR

BV Cooper, 2/81 Spec → RSWB 81-31
Rhodochrosite (IR) brownish-pink massive

Lydford 11" 175 Sx 51 84

LIDFORD CONSOLS MINE, Lidford, S. Devon. S 51

JC(1871) 66 (Sn) Cassiterite.

1" 186 SX 38 (8) 85

LIFTON MINE, Lifton, Devon.

See also Wh. HEALE; Wh. HENRY; WOOLADON M; Wh HARRIS

Dines (1956) 715 Mn mine near Lifton; output for 1856-60 given with CHILLATON & HOGSTOR. [Lifton - SX 38 85

Trial shaft 1mi SE of Lifton Church may be one of these mines.

Collins (1871) 66 (Mn, working) Psilomelane, pyrolusite

1" 187 SX 471 695

LITTLE DUKE MINE, Tavistock Hamlets, Devon

Dines (1956) 679-680. = NORTH TAVY MINE;
2 mls E by N of Calstock. Lode E 15°S,
with 2 x-courses. Whim; gill's; West Shafts.
Deep Adit Level & Deep Adit Shaft.
Copper ore from stopes above 20 fm level
near Whim Sh. [900 yd NW of Berra Tor, & 60 yd E
of the railway]. Tin mainly from W parts.
Arsenic distrib. throughout. Dumps
have brecciated black killas with
quartz-chlorite veins, arsenopyrite, pyrite.

B.V. Cooper, Priv. Comm 4/7/78

Childrenite, in killas, with chalcopyrite xls.; iron pyrite xls; arsenopyrite xls; cassiterite, some in traces of a "greisen-like material"; anatase; red haematite; "hydroxides of iron"; chlorite; vein breccia; vein quartz; quartz xls; kaolin. "Loc M". GILL's Sh quoted on spec. labels

Childrenite also in killas in exposure in railway cutting at 4701 6965 ("Loc L") with quartz stringers; "hydroxides of iron"; "black oxides of manganese"; chlorite; iron pyrite.

D. Clough (Coll 1967) Anatase (XRD, EMP), at SX 4711 695

D. Clough (1967) BMSN'l 19

LITTLE GEM MINE, Whitchurch Devon

See WEST SORTRIDGE CONSOLS

LITTLEHAM COVE, Devon

See BUDLEIGH SALTERTON

1" 187 SX 438 664

LOCKRIDGE MINE, Bere Ferrers, Devon.

See also BEERALSTON MINES, etc.

OS 6" SX 46 NW: Ag & Pb mine

Dines (1956) 683 = GOLDSTREET M. 1 mi SW of Bere Alston. Adit to E by N from portal 180 yd NE of Whitsom. 2 dumps, but shaft obscured; with vein quartz, fluorite, a little sphalerite, in slightly pyritous shales

Gr guric & Nickel (2006) UKJMM 27, 39-40.

Dumps have rich mixed Zn Pb & Cu sulphides...

and sulphosalts overgrowing fluorite (incl blue cubes). Acicular wurtzite-sphalerite "ice-fern" intergr. with argentian (zincan) tetrahedrite, tennantite (zincan), galena. chalcopyrite.

1"187 SX 7 37 4 8?

LODDISWELL MINE, Loddiswell, Devon.

PMMCJ (1975) 6 [1] 16 Repro. of 19th Cent advert for Loddiswell mine, 5 mls from Kingsbridge. Sale of machinery etc, 1849.

1" 187 SX 53 63

LOPEZ [s] MINE, Shaugh Prior, Devon

Woods Map of Dartmoor (1850) Wh. LOPES Cu mine

Dines (1956) 685. Cu lode, E 10° S crosses NS valley ½ mi W of Shaugh Prior. Shafts in valley bottom & to E & W.

Lode 3-14 ft wide, of gozzany quartz, with secondary oxides & carbonates, but chalcopyrite comes in at the 73 fm level. Dumps have white quartz, chalcopyrite, galena, blende. Worked 1825, 1843, 1844.

PMMCJ (1973) 4 [2] 22 Field trip Pyrite, chalcopyrite.

1" 187

SX 474 655

LOPWELL MINE, Bere Alston, Devon

See also Wh. HUNT

Dines (1956) 702 Adit & 2 shs on steep W valley slope, 1000 yd N by W of Maristow House. 2 lie lodes(NS) 30 fm apart. Trial sh. 300 yd to S. Dumps have granular quartz with galena, sphalerite

1" 187 SX 549 579 (?)

LOUGHTOR QUARRY, Plympton St. Mary, Devon.

Dines (1956) 688. EW lode exposed in old quarry 250 yd NW of Loughtor Corn Mill. Quartz, pyrite, traces of chalcopyrite & cassiterite (the latter in capel)

1"164 SS 809 293

LUCKWORTHY FARM, Molland, Devon

PFC, PMMCJ (1973) [1] 8. Unnamed shaft at 809 293, 350 yd WNW of Luckworthy Fm. Minerals/date unk.

LUDBROOK MINE, Buckland Monachorum, Devon

See S. LADY BERTHA MINE

1" 163 Cent on SS 1345 N 3

LUNDY ISLAND, Devon.

Mostly within 1343, 1344, 1345, 1346, 1347.

BM: Topaz, colourless, with smoky quartz.

JC (1871) 70 Chalcopyrite; hornblende; magnetite; orthoclase; rock xl; tourmaline; topaz.

TMH (1868) 58 Granite & slate. Felspar; magnetite; schorl; rock xl; chalcopyrite

Rudler (1905) 26 Topaz

PF Claughton, Plym MMCJ 4[1] (1973) 4. Two un-named trial adits for copper ① In cliffs at the Rattles 138 437 ② In cliffs at Long Roost 131 478

1" 175, 187 SX 443 719

LUSCOMBE MINE, Tavistock Devon

Dines (1956) 669-671 Part of E. GUNNISLAKE & S. BEDFORD M. [q.v.]. = S. LUSCOMBE, = E. LUSCOMBE.

Quartz lode with sulphides; crosscourse of quartz, pyrite, a few copper stains. Copper ore produced.

1" 175

SX 7881

LUSTLEIGH, nr Moretonhampstead, Devon

S 113

JC (1871) 69 Beryl; garnet; opal; haematite.

TMH (1868) 57 Minds as above, in granite.

1" 187 SX 59 59

LUTTON, Cornwood, Devon

PMMCJ (1974) 4 [3] 25 Report by Inst. Geol Sci. of 11 finds on W. Dartmoor near Lutton.

1" 175 SX 52 84

LYDFORD CONSOLS MINE, Lydford, Devon

Dines (1956) 711. Prob = KITTS M, & Wh. REFORM.
NS Pb lode across Lyd Valley. 3 Sh's:
(i) 450 yd SE of Lydford Mill & 260 yd S of river.
(ii) 120 yd N of (i); (iii) 100 yd N of river,
with Adit level 50 yds to its S, extending
50 fm N.
Lead ore recorded 1848, 1849, 1879.

1" 175 SX 5083, 5084

LYDFORD GORGE, Lydford, Devon

BMS Newsl. (1997) 47, 2: BMS Coll. Axinite, LYDFORD GORGE (D. green).

1" 187 SX 54 66

MARCHAM'S CROSS, Meavy, Devon

PMMCJ (1974) 4 [3] p25. News of report by Inst of Geol. Sci of U finds on W. Dartmoor, near "Marchant's Cross" [? = Marcham's Cross]

1" 163 SS 787301

MARCIA MINE, ~~North Molton~~ Twitchen, Devon

PFC, PMMCJ (1973)[1], 7, 8; (1974)[1] 10.

Adit & shaft at 787301 in Pulsworthy Wood for iron, 1874-6

Dines (1956) 763 TWITCHEN:- Trial, presum. for iron 500 yd SSW of Twitchen. EW lode, of limonite

1" 163 SS 55 34

MARE TOP MINE, Pilton, Devon.

See also BARNSTAPLE

PFC, PMMCJ (1974)[1] 9. Exact loc unk; prob nr. E end of Northfield Lane. Trial for Ag-lead, 1843.

1"163

SS 4-5 3
43 or 53?

Wh. MARGARET, Braunton, Devon

PFC, PMMCJ (1973) [1] 5 Working 1850. Exact loc. & minerals unk.

PFC, PMMCJ (1975) [1] 4-5 Possibly = FULLABROOK MINE [qv]

1" 175, 187 2½" Tav. 420738 SX

WHEAL MARIA, Grenoven Wood, Tavistock Hamlets. R 48

~~WEST MARIA, Lamerton (S Sd)~~ Part of DEVON GT CONSOLS Cu mine.

Dines (1956) 656-7. W-most mine of set, W of gt. Crosscourse. Cu ore returned ∴ Aspy
Retned 1923 of Sn, Ag. — erratic.

1" 175

SX 59 or 69? S 43

E. Wh. MARIA, Okehampton, S. Devon.

JC (1871) 66. (Cu). Chalcopyrite.

1" 175, 187 SX 41 74 S 32

WEST MARIA & FORTESCUE MINE, Lamerton, S. Devon.

~~See also Wh. MARIA, Tavistock (R 48)~~. Part of DEVON Gt UNITED M. [qV]

JC (1871) 66 (Cu, Pb, wkg). Chalcopyrite, galena.

Dines (1956) 654 Included in DEVON GT. UTD.
Copper ore, cassiterite, pyrite, lead ore.

1" 187 SX 470 649

MARISTOW MINE, Bere Alston, Devon

Dines (1956) 702 Sh., adit on W side of river 450 yd NW of Maristow House. Old silver-lead mine, on NS lode

1" 163 SS 67, 470

MARTINHOE COMMON, Martinhoe, Devon

Dines (1956) 759 Trial shaft and adit 30 yd to NNE, 1½ mi NNE of Parracombe c 5½ mi E of Combe Martin [ie near 67, 470, on Martinhoe Common]. On line of strike of iron lode of N. Devon Iron mines, Combe Martin; referred to in Mining Journal (1878) as lead mine, but no records. Fragments of quartz, haematite at site.

PF Claughton, PMMC (1973) 4[1] 6. Mention

1" 188 N SX 91 64

MARY CHURCH, Torquay, Devon. S 132

JC (1871), 69. Agate.
TMH (1868), 60. Dev. Lim: Agate.

Rayner's Cat. (1960). St. Mary Church, Torquay: ~~(Fluores)~~ Barytes; Calcite.

1" 186 SX 388 S 40

Wh. MARY EMMA, Lifton, S. Devon

of Wh. MARY EMMA, Lydford.

JC (1871) 66 (Sn) Cassiterite.

1" 175 SX 53 85?

Wh. MARY EMMA, Lydford, Devon

~~of~~ Wh. MARY EMMA, Lifton

Dines (1956) 711 1½ ml NE by E of Lydford. Tin mine in Culm slates, close to granite contact. Lode E 10°S, 2 sh's on W & adit on E of R. Lyd. Dumps of m'morphosed killas & haematized & tourmalinised granite & narrow quartz veins. Little more than a prospect

PMMCJ (1974) 5 [2] Field trip. Pleasant site

by river. Mid 14th cent! A few v. rich pockets of tin in one narrow lode. Good spec's occas. found but not v. good this time — 2 small pieces cassiterite

1" 187 SX 564 581 S 93

Wh. MARY HUTCHINGS Plympton, S. Devon

See also HEMERDON CONSOLS M.

JC(1871) 68. (Sn, wkg) Cassiterite.

Dines (1956) 688. Separated by road from HEMERDON CONSOLS MINE. Is on the W of the road. ESE lode, worked from Engine Sh 150 yd SE of Lobb Fm & adit near Smallhanger Brook 200 yd to the W.

Cassiterite nests of crystals in tourmalinised Killas wall-rock & dissem. in vein quartz with chlorite. Arsenopyrite also.

1" 175 SX 56-58 9[illegible]-2x (I) S 3

MELDON Okehampton, Devon.

See also RED-A-VEN BROOK MINE.

AR, MM 17 xxv (Nov. 1913). Notes on mins. in neighbourhood, with exhibit.

JC (1871) 66. "Meldon Quarry": Garnet, Pyrrhotite.

Rayners Cat (1960) Meldon Quarry: Datolite, Mountain Leather → Palygorskite?, Pyrrhotite

[56 8 921] [566 911]

MELDON APLITE QUARRIES ("Old" & "New")

Mc. Lintock, MM, 20, 140 (1923) Petalite in Meldon Aplite.

M/c Uni, geol Dept. Dr. Howie spec.: Clear variegated tourmaline pink & green, transparent.

MM 31 789 (1958) Bavenite, $Ca_4(Be,Al)_4Si_9(O,OH)_{28}$ (Dearmane Claringbull) also MM 32 577 (1960)

MM 29 799 (1951) Columbite [O. Von. Knorring] – $(Fe,Mn)(Nb,Ta)_2O_6$

AWOK 160 Rhodizite (DOUBTFUL) Pollucite

Rudler (1905) 25. Topaz in granite, from Meldon.

"New"

GR 6/55, In RSWB coll: Axinite; bustamite?

= granulite Q

BR Quarry. Loc 1. N-most point, nr. railway. Coarsely fibrous wollastonite in beds (fluorescent, according to Dr. Dearman), w. a little idocrase "etc".

Loc 3 Corner between Middle & S Bays. chiastolite slate.

Loc 4 N side of 860' S. Bay. Intrusive black albite-biotite rock w small albite phenocrysts. wide joints have qtz; biotite; pyrite; tourmaline; ?aspy; vugh lined w. red garnets

Loc 5 E side of 950' S. Bay. Rhodonite & some fibr. bustamite. blende, pyrrhot; pyr. chalco-

"Old" Q. The coarse pegmat. conts. green tourmaline; blue apatite; petalite, usually pink by alter. to montmorillonite; fluor; pyrrhotite; occas. specks of U mins. Few blocks of axinite lying loose at entrance.

"New" Q. Tuffs as well as slates. Colombite of Von Knorring here; green fluor; mountain leather; One spec. axinite.

"The second of small quarries on LHS of the road S-wards past New Aplite Q has at far side a layer of earth containing loose rough xls of quartz" - GR.

MELDON, Okehampton, Devons. (II)

GR, AWGK 5/60

B.R. QUARRY: → 5692, 5792 [Cent on 568 927]

960-ft S BAY: NOT interesting at present.

NEW 950 ft BAY: New expos. of dark ign. dyke, has pyrite on joint, with some black tourmaline, a little mica, & radiating fibrous pale grey-green amphibole.

1010 ft S BAY: Opened up ca. 3 yrs ago. At S end, rhodonite bed with coarse pink to brownish pink rhodonite; much pyrrhotite; v. fine grained deep pinkish-brown garnet. A little axinite. Rest of bay uninteresting.

850 ft N BAY: New expos. of shales & cherts in NE corner - not interesting. Tunnel prepared in NE face for blasting. At N corner, wollastonite still abundant, with brown fibrous idocrase, pinkish-brown garnet, pale green hornblende, some axinite, fine-grained lepidolite. Peculiar grains of ?chalcocite in layered wollastonite. Löllingite, with hornblende.

850 ft S BAY: Dark igneous dyke. Barren.

NEW APLITE QUARRY. Much recent work at SW end. Some pegmatite, with coarse (2-3 in) pale brownish felspars. Otherwise uninteresting. In central section, a lot of baked Culm

MELDON, Okehampton, Devon. (III)

measures. Much pyrrhotite, also chalcopyrite, and, more rarely ?arsenopyrite. Calcite, generally granular & rare, but occas. with up to 2in. cleavage.

LIMESTONE QUARRY. → 563921. Q'y on W side of valley is now a lake, with a cliff on far side (of shales & cherts which had overlain the NE-SW limestone band). Extensive dumps on E side of river, shale & chert. Some quartz & calcite veins [these sometimes

carry pyrrhotite, pyrite, chalcopyrite, wollastonite, datolite, apophyllite, uvarovite (last 3 rare, found by AR), green idocrase, colourless & brown garnets, etc — AWGK]. On this occasion found 4-mm brown garnet x/s in calcite.

OLD APLITE QUARRY. Much as in 1955. (None of AWGK's pink tourmaline & accompanying minerals of 1960 found).

Parkinson's Cak (1959): Apatite, grey to pale blue granular, intergrown with quartz; axinite;

MELDON, Okehampton, Devon (IV).

Albite, white x-line, with quartz. Grossular, pink to red-brown massive. Lepidolite, purple to lavender scales, with albite. Pyrrhotite, massive, with axinite & blende. Quartz, single prisms, milky, showing marked parallel growth of prism faces. Tourmaline, particoloured pink & green prisms in albite & quartz. Wollastonite, massive white fibrous to radiating.

AR MM 21 R'LY Q'Y: wollastonite, pyrrhotite

LIMEST. Q'Y: Apophyllite x/s, wollastonite, garnet

APLITE Q'Y: wollastonite, petalite, green-pink tourmaline.

WFPMcL MM 20 APLITE Q'Y: petalite with montmorillonite (pink clay); apatite, prehnite, fluorite, axinite, quartz, felspar, cordierite

All ?

MM 32 577. Aplite Q'y: bavenite

MM 32 021 Limest. Q'y: scheelite

O.v. Knorring MM 29 199 Columbite in aplite Scheelite (BRQ) (& Aplite Q & Limest Q)

AWGK, RGSC (1964) bavenite, beryl, beryllonite, chrysoberyl, milarite, montebrasite, eudidymite, rhodizite, amblygonite, pollucite, spodumene

MELDON, Okehampton, Devon. (V)

BM: Marialite $Na_4Al_5Si_9O_{24}Cl$, largish, pure white fibrous mass

Rayner's Cat (1960) Andradite var demantoid "Okehampton" [Probably MELDON, if true!]

M Nawaz Chaudhry & RA Howie MM (1969) 285. 45-8 Anals etc of axinites in contact skarns of Meldon aplite with a basic dolerite dyke to the S. Axinites from skarns in the

dolerite e in the calc-flintas are similar, ie compⁿ not related to host rock, suggesting formation by metasomatic introduction of the MnO, FeO, e B_2O_3, confirmed by geochemical studies of host rocks. No correlation between Fe:Mn e colour. Assoc w. calcite, prehnite, diopside, actinolite, sulphides.

MN Chaudhrye RA Howie MM (1969) 717-720 "Topaz from the M. aplite, Devonshire" Na-Li rich aplite dyke (see RH Worth QJGS (1920) 75 77-114 "The geol of the Meldon Valleys, nr. Okehampton the N verge of D'moor"), with albite, quartz, topaz, lepidolite, elbaite [Tourmaline Na Li Al], apatite, petalite - cut by veinlets w. qtz, o'cl, lepid, some with either topaz or elbaite

C. Rogers (1965) BRQ'y: Pyrrhotite; axinite; wollastonite.
APLITE Q'y: Axinite; lepidolite; pink & green tourmaline.

B Cooper (173). Aplite Q'y:- Apatite

M. Chaudhry, Nawaz, & R.A. Howie Min Mag (1973) 39 289-296
Li-Al micas ex Meldon aplite. Anals, opt, X-ray.

D M Mackenzie (1972) Proc Ussher Soc., 2 410-416. "The mineralogy & chem of axinite reaction veins cutting the Meldon aplite"
veins → 1.5 m w mass. ax, minor datolite, fluor, & qtz.
[MA 73-2823]

MELDON, Okehampton, Devon (VI)

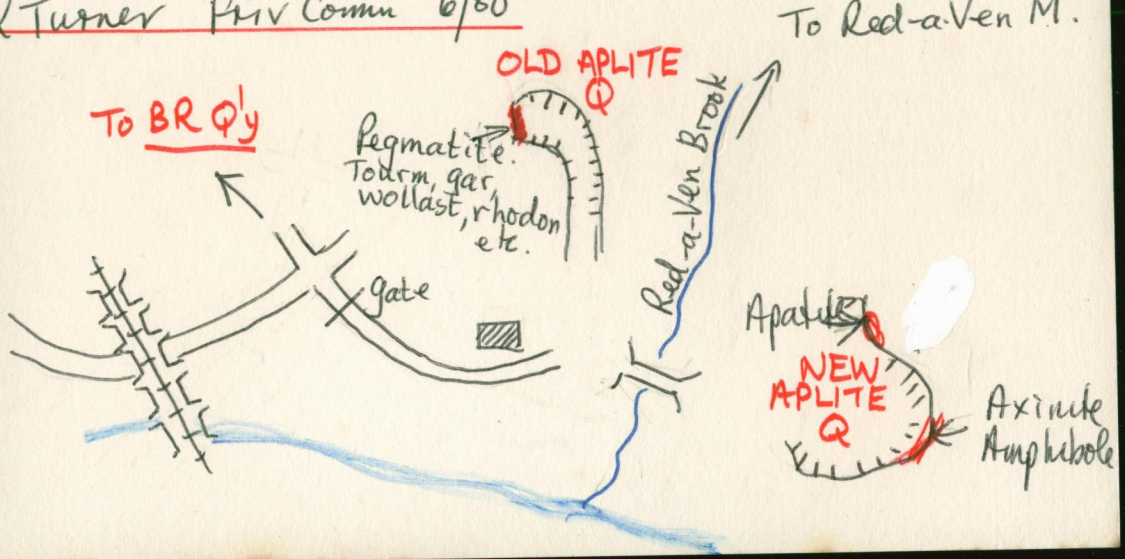
AA Moss, EE Fejer & PGE MM (1969) 414-422 "On the X-ray ident of amblyg & montebras". Specimens of amblygonite & montebrasite coll. by AWGK from old aplite Q.

RSWB (8/65) 4 213-4 New Aplite quarry, nr 568921. Vg axinite, with calcite, qtz, fibrous amphibole (? actinolite)

RSWB, TBG (8/67) 5 93 Aplite q. Good axinite, qtz, tremolite, radiating tufts

MELDON, Okehampton, Devon (VII)

R Turner Priv Comm 6/80



O. Von Knorring & E. Condliffe (1984) MM 48, 443-8

MELDON APLITE (SX 773927) is mineralised dyke ~3km x 20-25m. (Worth, R.H., (1920) QJ Geol Soc 75 77-114), Li & F rich w. peg lenses.

Aplite of albite, orthoclase, microcline (in aplite veins), Li-micas quartz; accessory elbaite, topaz, apatite, fluorite, petalite.

Rarer:- amblygonite-montebrasite, columbite-tantalite, Be minerals.

Arsenic, arsenolite w elbaite, oclase, blue Mn-apatite

Arsenian antimony in the As w. a little löllingite.

Stibiconite, yellowish incrustn.

Beryllonite, whitish 2mm grains mostly in elbaite-fibrous, silky.

Herderite intergrown w. beryllonite close to a peg. veinlet.

Amblygonite (F) in petalite-rubellite rich veins

Montebrasite rarer w. green tourm-microcline, grey Li-mica - both amb e monteb are grey irreg → ~1cm

MELDON, Okehampton, Devon (VIII)

e resemble felspar. Autunite in small cav's.
Beryl, bluish glassy irreg. → 2cm w. montebr
in grey Li-mica. Pollucite in petalite-rich
pods, saccharoidal triangular ~ 1cm.
Columbite rectang or pointed → 1mm, brown → black
zoned manganocolumbite-tantalite. Microlite in
concentrates, minute octahedra — also in peg. veins
rich in Li-mica elbaite e fluorite → 0.8mm
Fersmite.

N Hubbard (Coll 1986). APLITE Q, SS 568 923,
Bavenite (XRD).

BMS Newsl (1994) 39.20 Coll S. Rust from "MELDON Q'y"
Brookite, anatase, blue axinite. [The blue prob. refers to the anatase!!]

R Tayler (Priv Comm → GD) [999?]. Danburite
MELDON BR Q'y.

BM 1965.96 MELDON OLD APLITE Q. Danburite,
isolated c'less terminated 1 cm prisms & aggregs.
Pres' AWGK SO DUBIOUS - cf Mt Scopi,
Switzerland material.

MELDON, Okehampton, Devon ~~(VIII)~~ (IX)

RSN 23 (1992)

Meldon B.R. Quarry, Okehampton, Devon 18th September 1991

Some 24 members of the SW and other branches visited this quarry. Although the day started wet, the weather improved and members enjoyed a visit that was more profitable geologically than mineralogically. The morning's trip resulted in many specimens of wollastonite in all its manifestations, some with streaks of vesuvianite. The afternoon produced specimens of garnet (grossular and spessartine), pyrrhotite, chalcopyrite, pyrite and petalite, though not of good quality. The best specimen of the day was found by Peter Golley - prehnite interspersed with colourless axinite crystals. A specimen of hedenbergite (identity recently confirmed) was collected by John Wyley from Surrey.

Although this trip failed to live up to mineralogical expectations, I am sure that members appreciated the opportunity to inspect a quarry which has produced many fine specimens in the past.

Bill Elliason

RSN(1997)30 Big Q =
CAMASS Q; SX562925

Top Level: Arsenopy., pyrite, gyps., wollastonite; bustamite ("a nice cabinet spec"); schorl, tourm., albite; qtz., fluor, actinol., pyrrhot.

Bottom shelf: Same + some good apatite xls, feldspar, "gilbertite", chalcopyr., pyrite, poss. prehnite, "an unident sulphide".

Management helpful, v safety-wise need goggles & high visib. gear as well as helmets etc.

RSN('02) 40 29-30. Visit (8/01). At SX 567 922.
Designated areas allowed. 1st: "Attractive lumps" of rad. fibr wollast w. garnets, axinite, etc. A small vein w a. microxl pink mineral — ?rhodonite. [was this quarry road?]. ~~to top~~
Down to top bench — exposed qtz vein gave abund schorl, minor pyrrhot, aspy, actinol, traces molybdenite; rock here had small chiastolite [andalusite] xls. Boulders on top bench gave small green apatites, purpl fluor; albite (clear)(?), muscov, qtz, a radiating white silicate.

Meldon, Devon

(X)

Dearman + Claringbull, MM 1960, 32, 577. Bavenite, Aplite quarries — (q.v.)

Rayner's Cat. (1960).

"Mendon, near Okehampton": wollastonite.
"British Railways Quarry, Devon": wollast.
"Meldon Quarry": axinite, datolite.
"Meldon": mountain leather.

M. Wirth, D. Green, G. Ryback (2001) J. Russ Soc, 7 [2], 90–91. AWGK's milarite "from old Aplite Q" is dubious, but Mr. P. Edwards

coll and in 1970's – ident XRD, BM in 1990 – white opaque somewhat rough prisms ≤ 2 mm long zone → 12 mm w small albite xls in joint in off-white fine-grained aplite close to country-rock contact; ass. fluorite.
AWG Ks ? chrysoberyl, melidymite & rhodizite also dubious & require investigation.

RSN('06) 48, 26. Plenty wollastonite; vesuvianite, garnet pyrrhot + pyrite + ? chrysocolla. Small but well-formed andalus var chiastolite xls.
RSN('06) 49, 37. As before + prehnite xls & cav w. bismuthinite in same vein. Pyr, pyrr, arsenopy, tourmaline xls, ? graphite in good marcasite

1" 187 SX 535 757 – 55$_3$ 755

MERRIVALE BRIDGE MINE, Whitchurch and Walkhampton, Devon.

T. Greeves PMMCJ (1975) 6 [3] 3-5

"MERIFIELD& BRIDGE M" mentioned in 1806.

Tin set just N of Merrivale Bridge, including Wh. FORTUNE 547 756 – 551 755 and on W, STAPLE TOR M., W → ca 535 757. History, Indust arch. Part sketch map, p11.

1" 175 Whitchurch SX 546 752

MERRIVALE QUARRY, Dartmoor, Devons (I)

See also VIXEN TOR Q.

GM Cited as U loc. = "Nisaite" m-autunite on granite

C Rogers (1968):- Autunite; "Zippeite"; arsenopyrite

L. Nash, Priv Comm (1965) Autunite, fine coatings on granite, still available. Specimen given to RSWB.

RSWB (8/66) 546 (6/8/67) 591 Autunite x/s coating joint planes in granite, but also yellow radiating needles of another U mineral IR: OH Uranyl phosphate ~~Zeidicate~~. BM Xray: Unkn also found by AWGR PTO

Tracespurple fluorite (on 66-400)

A. Wright Priv Comm, 10/69. Also orange radiating needles.....

Yellow needles: Laser MS: Major Ca, U, S ?!

Calcium uranyl sulphate/s (? error for phosphate; SO_4 not detected by Ba^{2+} IR too far to LW for SO_4^{2-}).
IR ≡ NISAITE of Lancaster!! – Ca, UO_2 phosphate)

RSWB 9/70 On specs picked up from Merrivale works by H. Conke & by D. Hardman!

Merrivale mineral 2 – Orange-yellow opaque non-fluorescent ψ after autunite [⅞ next to concrete] result of concrete metasomatism

Mineral 3. Transparent radiating deep yellow groups
IR = phosphuranylite

?nisaite, looking like "mineral 1" but opaque

Miss Fejer, BM 1971. with "2" is? meta-ankoleite, pale plates, clear.
"NISAITE" prob = phurcalite (xRD & opt similar)

BV Cooper → RB, 5/73. Schorl, in granite w. qtz, felsp, micas

MERRIVALE QUARRY, Whitchurch, Devon (II)

RSWB, WHPaar & JE Chisholm (1987) Min. Mag. 53 583-9. Phurcalite from Dartmoor, Southwest England, and its identity with "nisaite" from Portugal.

The Merrivale quarry "nisaite" - orange-yellow blades - needles = phurcalite. ~~[illegible]~~ v weakly fluorescent in UV. Is slightly arsenatian

Merriv. 1 

—"— 2  opaque deep yellow

—"— 3   ? termination straight? oblique?

—"— 4  green

14.85
2.47
45'00
62.32

FOR IR

Merrivale 2 ✗ ? aut group ✗
3 ✓ ["green" – 4?]

—"—

2 Sharpfor ?langites ✗ ✗ langite

3 Finnish U mins ✓ 1 ✓ ? 2 3

Rhodizite ✗

gagnol.

?U'phane ✗ U'ph

White needles ✗ Pyro

Red mineral ✓

Bauzot

Yellow mineral ✗ (?? baryte) ✓

Mass spec – autozonite

1" 163

SS 680 316

MILL WOOD, East Buckland, Devon.

PFC, PMMCJ (1973) [1] 7. Shafts & adit at 680 316 in Mill Wood, Unnamed; prob. for manganese

1" 175 SX 4079

MILTON ABBOT, Devon.

Parkinson's Cat. (1959). Rhodonite, pink crystalline, in calk-flinta.

Unplaced

MILVERTON CAVES, Devon.

Br. Caver (1959) 32, 13. In conglom of red sandstone, pebbles, e limestone [appears to be reached from a quarry – no exact detail – GR]

[Poss Milverton, SOM, ST 1225 ?]

1" 163 SS 665 358

MOCKHAM DOWN, Charles, Devon

PFC, PMMCJ (1973) [1] 7. Unnamed shaft at 665 358 between road & ancient camp on Mockham Down. Trial for Ag-lead.

1" 164 Molland SS 81-2/28

MOLLAND MINE, ~~Moulton~~, N. Devon. N 22

See also BREMLEY M; GOURT M.

JC (1871) 70 (Cu) Chalcopyrite; tetrahedrite } MOLLAND MINE "North Moulton"

TMH (1868) 59 Dev. Slate. Ditto

PFC, PMMCJ (1973) [1] 8 = BREMLEY MINE 1877-91 and BREMLEY + GOURT M's 1851-67

Dines (1956) MOLLAND, = BREMLEY or BRIMLEY. [9 v]

[Discusses GOURT separately.

1" 175 SX 47₀ 81₀

MONKSTONE MINE, Brentor, Devon

Dines (1956) 717 Old sh. & small dump 150 yd SE of Monkstone Fm. Irreg veins in chert – [Mn] silicate & oxide ores. Mn oxide stained chert; clear quartz veinstone

GS 6" MS map (1908) shows the mine, shafts, etc
Devon 97 NE

1"175 ~SX 78₀ 83

MOORWOOD MINE, Moretonhampstead, Devon
See also KELLY M, etc

Dines (1956) 725-6 Lodes discov. 1931 in Moor Wood, 3/4 mi SSE of Wray mine, on steep E slopes of valley. Details of adits. Interlacing lodes & veinlets in chloritised granite, veinstone of "sericite" [muscovite] and "spongy iron ore" formed by a mass of opaque blades to which blood-red haematite scales attached [microscope observations] Comby quartz strings. Ore suitable for paints - "soft and clean".

1" 187 SX 439 69 6-8??

MORWELLHAM REEF, Tavistock Hamlets, Devon

Dines (1956) 681 On E bank of Tamar, nearly opposite portal of Wh. Arthur [Cornwall] adit, ⅓ mi NNE of St. Andrews Church, Calstock, an exposure has 2 greenstone dykes, traversed by veins of quartz w. scattered specks of copper & iron sulphides; traces cassiterite on vanning the greenstone. Short test adit.

NAP DOWN CONSOLS, Combe Martin, Devon

See KNAP DOWN M.

NARRACOT MINE, Milton Abbot, Devon

See CHILLATON & HOGSTOR M.

1" 187 SX 5 6

NEOMIE MINE, Shaugh Prior, Devon.

J. Brooke Plym MMCJ (1975) 6 [3] 7-8
Iron mine, 1881. "Brown haematite"

[Shaugh Prior, SX 54 63

1" 163 SS 573 471

NEWBURY, Berrynarbor, Devon

PFC, PMMCJ (1973) [1] 5. Unnamed shaft
eadit at 573 471 at Newbury. Ancient
mine reopened 1859 for Ag-lead.

NEW E. RUSSELL MINE, Tavistock, Devon

See S.Wh CREBOR

1"/87 SX 596 546

NEW ENGLAND QUARRY, Yealmpton, Devon.

Nick Zachariades (3/95) Spec → RSWB for ident.
Near actinolite (FTIR 3/95), grey-blue compact asbestiform with calcite (impurity shown up on IR of near-act...) and quartz, from dolerite or basalt q'y.

(4/95) Epidote & poss micro x/s axinite also occur here.

1" 176, 188 SX 86 71

NEWTON ABBOT, Devon

Sainsenor RC & Beer KE. "Cassit in the Aller gravels near Newton Abbot." Proc Ussher Soc., 2 326-329 (1971)

[MA 23 [3] (1977) 22-1909 Cassit. grains in gravels 10-38 m. thick E of Newton Abbot, poss. economic [ie ~~near~~ ca SX 8770 → 8771]

1" 176 SX 8898

NEWTON St. CYRES, N. Devon. N 23

See also UPTON PYNE MINE

JC(1871) 70 Haematite; psilomelane

Rudler (1905) 76 Worked for Mn ca 1770-1810. On same vein as UPTON PYNE MINE.

Dines (1956) 754. See under U.P. MINE, also:
A Pb lode, EW, occurs in the Culm Meas. ½ mile S of the Mn workings; only known workings are 3/4 mi S of Newton St Cyres. Main Sh. in a small wood 450 yds S of Whidden Cottage & 1350 yds E by N of Venny Cleave (other workings described). Opened 1770, reopened 1853.

P.T.O.

Lode said to contain quartz, baryte, galena, blende (these can be seen on the dump round the shaft).

BVC spec → RGOB 6/81 Manganite x/s (IR)

1" 175 SX 7484

NORTH BOVEY, Devon. ISM 105

TMH (1868), 57. In granite. Rock xl; tourmaline

RSWB 197 Ex M/C Univ Geol Dept, c1960. Quartz 3 3/4", long prismatic, singly terminated, tapering crystal with pale brown sandy outer zone, from MANOR HOUSE (SX 73 84), North Bovey!

1" 163 SS 57-60 47-8

NORTH DEVON IRON MINES, Combe Martin, Devon

See also GIRT DOWN M., HOLDSTONE DOWN M., W. CHALLACOMBE M., CHALLACOMBE M.

Dines (1956) 758-9 Iron ore in Devonian slates e grits worked on Hangman's Hill. Iron lode for 2 mls ESE from coast just N of Combe Martin harbour, where adit obscured now by shingle [5747]. Other adits to S from cliffs at Rawns [59$_0$ 484] e 350 yd further E [59$_4$ 484] Brown haematite e siliceous siderite

A mine [on same vein] at Challacombe ½ ml NE of C.M. harbour [ie ≈ 584 475] gave

brown <u>haematite</u> in 1873. Similar from Girt Down, ½ mi to E (1873, 1874) [X 595-475]

NORTH DEVON Wh. ROSE, Combe Martin, Devon

See KNAP DOWN M.

1" 163 SS 7329

N 4

NORTH MOLTON, N. Devon.

See also POLTIMORE MINE. 7235 ??

Atlas, Dk Molland M, Britannia & Prince Regent M, New Campfylde M,

Rutley, 15th Ed., p. 224, gold. → (See Brittania & Prince Regent Mine?) & Poltimore Mine

Rudler (1905) 19 gold esp. in the gozzans of the old POLTIMORE Cu-mine.

GeL (1858) gold in slate

1" 187 SX 604 699

NUN'S CROSS MINE, Walkhampton, Devon

Dines (1956) 731 Small workings on 2 tin lodes, a little N of E on Old Series GS map 25, but E 20°S on an old plan. Dawe's Sh., 100 yd SW of the ancient cross.

Woods Map of Dartmoor (1850) NUNS MINE.

PMMCJ (1974) 5 [2] 19. Field trip. Cassiterite

1" 187 SX 61 69

EAST NUN'S (CROSS) MINE, Lydford, Devon.

Wood's Map of Dartmoor (1850) shows
EAST NUNS MINE near 61 69

1" 175 SX 5895

OKEHAMPTON, S. Devon. S 42

JC (1871), 66. Amethyst, andalusite, axinite, ?chiastolite, jasper, opal, schorl, rock xl.

TMH (1868), 59 granite e Mill. grit. Ditto.

Rayner's Cat. (1960) Andradite var demantoid.
[Probably MELDON, if true]

OLDERTOWN M, Ilsington, Devon

See ILSINGTON

1" 187 SX 50 53

ORESTON, nr. Plymouth, Devons.

Rudler (1905), 98. Limestone quarries at Oreston, ca 1m from Plymouth yielded calcites — "sugar candy spar" [cf PORTLAND BILL, Dorset]

1" 163 SS 686 317

ORESTONE MINE, Charles, Devon

PFC, PMMCJ (1973)[1] 7; (1974)[1], 10. Shafts on hill to N of Blakewell, at 686 317, for manganese, x 1884. Worked x 1842 as Wh. CHARLES

1" 163 SS 430 222

ORLEIGH COURT, Buckland Brewer, N. Devon. N.Y

JC(1841) 70 Psilomelane; chert; flint.

PARKER(S) M., Devon

See BRIXHAM

1" 188 SX 9 5

PARKIN(S) MINE, Brixham, Devon. S 138

9256

JC (1871) 69 (Fe, wkg.) Haematite; limonite

[Brixham, SX 92 56]

1" 163 SS 665 453

PARRACOMBE MINE, Parracombe, Devon.

PF Claughton, Plym MMCJ (1973) 4[]6. Silver-lead mine, ~~at~~ reputed to be at 665453

1" 176 SY 10-11, 86-87 ~~10-11 86 800, 869~~

PEAK HILL, Sidmouth, Devon.

of SIDMOUTH

BM: "Celestine," tabular xls with calcite in rugh in marl. – Peak Hill, Devon [= Peak Hill, Sidmouth, 109869

Rudler (1905) 115 "Celestine" with calcite in cavities of Keuper Marl under the summit of Peak Hill, near Sidmouth. (Spencer G. Perceval, MM (iii) (1880) p255)

RSWB, 4/8/91. Beach below Peak Hill, ~SY 112867

explored. A number of excellent geodes with calcite x/s found, one with a little "celestine" also, pale blue.

KD Corrie & DI Green, UKJMM (2003) 23, 27–35

The "celestine" is baryte. (Good photos of good specimens); with calcite, traces only of pyrite & sphalerite.

1" 187 SX 79 64

PENN RECCA SLATE MINE, Staverton, Devon

(I)

Shaw, Cave Sci., (1952) 3 No 21. 199. Detailed paper.

Slate first worked prob. 14th cent.
Reopened 1845; extensive tunnelling.
closed 1908. Ca 2ml SSE of Ashburton.

Maps, surveys, photos given.

R. Soc. N. (1994) 24

Penrecca Mine, Buckfastleigh, Devon. At present, access by the previously announced arrangements is possible through the top (quarry) entrance. In the years since we last visited it, unauthorised bolts have appeared, and acts of vandalism have included the destruction of the wooden shaft collar. For access by recognised groups, please contact DCUC Access and Conservation Officer, c/o 25, Lipson Road, Plymouth.

SX/76

(II)

Penn Recca slate mine, Staverton, Devon.

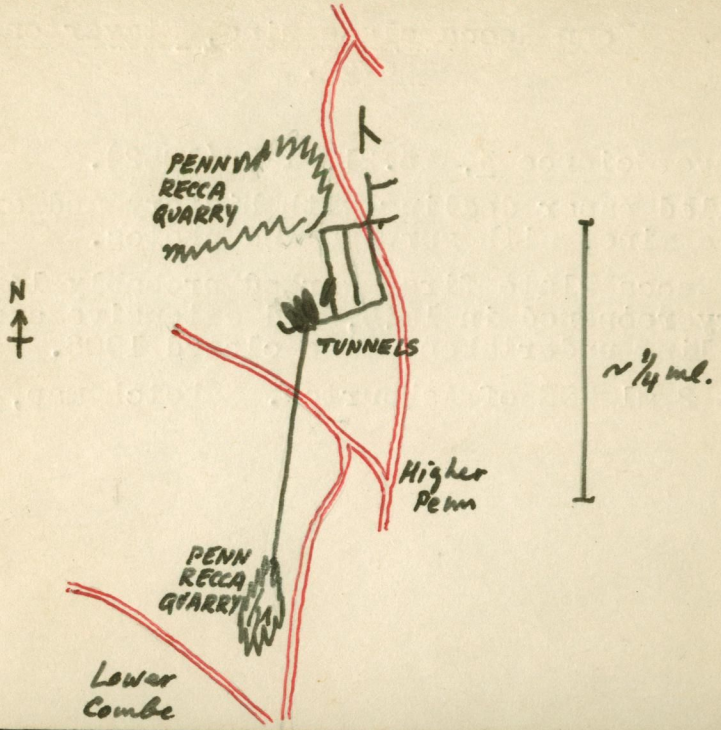
Shaw, Cave Science 3, No.21, 199 (1952).

Detailed paper dealing with history and exploration of the mine, with surveys and photos.

Penn Recca slate first worked probably 14th cent; quarry reopened in 1845, and extensive system of tunnelling undertaken; mine closed 1908.

About 2 ml SSE of Ashburton. Sketch map, PTO.

SX/7964


PENN
RECCA
QUARRY
N
TUNNELS
~ 3/4 ml.
Higher
Penn
PENN
RECCA
QUARRY
Lower
Combe

1" 175 SX 5, 7 8

PETER TAVY & MARY TAVY CONSOLS, Mary Tavy, S. Devon. S. 34

JC (1871) 66. (Cu). Chalcopyrite.

1" 187 SX 5 6

Wh. PHOENIX, Bickleigh Vale, Bickleigh, S. Devon S 73

JC(1871) 67 (Cu, Sn) Cassiterite; chalcopyrite

[Bickleigh SX 5262, Another at SS 94 07 in N. Devon]

Bickleigh Vale, N-S 5260 → 5263

1" 163 SS 578 330

PICKARD'S DOWN, Barnstaple, Devon

Dines (1956) 760 Lead trial 400 yd SW by W of Maidenford. Small pond (ex opencast) with small shale dump with minute strings calcite & cubes galena. Fragments of white & pink baryte. Traces of shaft a few yd SW of pond.

PFC, PMMCJ (1973) [1] 6. 578330 Shaft for lead, 1869

1" 175 SX 638 941

PIGEON HOUSE QUARRY, Sticklepath, Devon.

Truro Mus: v.g. amethyst

R. Turner, Priv Comm 6/80. Amethystine quartz, colourless → pinkish → purple hedgehog-balls [sic!] like geodes turned inside out. Loc. is at SX 638 941 but nothing to be found there now.

1" 175 187 SX 4 7.

PITTS CLEAVE QUARRY, Tavistock, Dev.

AWGK, MM (1962) 33, lxiv. Exhibit: Variscite

77 453 748
1" 475 767
489 755

1" 163 SS 567 387

PLAISTOW MINE, Shirwell, nr. Barnstaple, Devon

See also VIVEHAM MINE

PFClaughton, Plym MMCJ (1973)[7]5; (1974)[7]9.

Fe mine, near SS 567 387.

=SHIRWELL MINE [≠ Shirwell Ford Mine 599 379]

Adit to NQ W. Plaistow Fm. Worked for Fe 1873-5. Sett included VIVEHAM M

PLASTER CONSOLS MINE, Whitchurch, Devon

See GREAT SORTRIDGE MINE

1"176 SX 80$_3$ 80$_7$

PLUMLEY MINE Lustleigh, Devon
See also KELLY M, etc ; HATHERLEY M

Dines (1956) 726 Micaceous haematite lode 1¼ ml ESE of Lustleigh. Sh's, levels for 600 yd E from 700 yd SE by S of Slade Cross. One leaders a few ins → 2' wide. Closed before 1914

1" 187 SX 59 70 (sq)?

PLYM CONSOLS MINE, Walkhampton, Devon.

Wood's Map of Dartmoor (1850) shows PLYM CONSOLS MINE near 59 70.

PMMCJ (1974) 5 [2] 19 Field trip. Cassiterite

1" 187 Cent on SX 48 55

S 90

PLYMOUTH S. Devon

See also BREAKWATER Q'y.

JC(1871) 68 Calcite, in many quarries

TMH (1868) 59 Dev. Lim. Calcite

1" 187 Cent. on 5 x 54 x 56 y

PLYMPTON, S. Devon S91

See also HEMERDON; SHAUGH MINE

JC (1871) 68. Chalybite; kaolin.

TMH (1868) 59 Dev., e Frap. Cassiterite; chalybite; kaolin

POLDICE MINES, Buckland Monachorum, Devon

(OLD, e DEVON)

See WALKHAM UNITED MINE

1" 163 SS 699 322

POLTIMORE MINE, North Molton, Devons.

See also NORTH MOLTON; BAMPFYLDE MINE

Rudler (1905), 19. gold in the gozzans of the old Poltimore Cu-mine. [? Bampfylde 1853 v. infra]

PFC, PMMCJ (1973)[1] 7; (1974)[1], 10. Adits at 699 322 to W of Walscott Fm. For copper & iron 1874-78. (POLTIMORE was an alternative name for BAMPFYLDE M. in 1853)

1"163/174 SS 39 25?

PORTLEDGE MINE, Alwington, Devon

PFC, PMMCJ(1973)[1] 4. Exact loc. unk, but in Babbacombe/Cockington Cliffs area [ie ≈ 39 25?]

Copper mine, 1847-53

1" 187 SX 7 3

PORTLEMOUTH CONSOLS M, East Portlemouth, Devon

J. Brooke Plym MMCJ (1975) 6 [3] 7-8

Iron mine 1859-1864. Output not recorded.

[East Portlemouth, SX 74 38]

PRAWLE M., Devon

See CHIVELSTONE

1" 187 SX 75 68

PRIDHAMSLEIGH CAVERN, Buckfastleigh, Devon.

P. Smith, The Lyre (1960) 3, 47. Filthy.

PRINCE ARTHUR & MINE (CONSOLS) Mary Tavy, Devon

See Old Wh. BETSY

PRINCE REGENT MINE, N. Moulton, N. Devon. N 21

See BRITTANIA & PRINCE REGENT MINE (N 20)

1" 188

Wh. PROSPER, Brixham, Devon. S 137

9256

JC (1871) 69. (Fe, wkg.) Haematite; Limonite.

1" 175, 187 SX 573 793

Wh. PROSPER, Lydford, Devon.

T.A.P. Greeves, PMMCJ. On rt. bank of R. Walkham ca 1500' OD, ≈ 2½ mls N of Rundlestone. Site of old tin mine w. quite extensive openworks & a blocked adit.
History, 1806–1872. N. Lode EW opencast on N side of track. Adit (blocked) ¾ ml downstream, at 572 789 with dump. Workings on hillside to W.
Map p15.

1" 187 SX 46

QUEEN OF TAMAR MINE, Boyton, S. Devon. S 85

See also TAMAR MINES etc.

JC (1871) 68 (Cu, Pb) Chalcopyrite; galena.

1" 175 SX 440 813

QUITHER MINE, Milton Abbot, Devon

Dines (1956) 716. In wood 300 yd NW of Quither Fm. Main sh. 250 yd NW of Fm; adit from 80 yd E of it N 30° W along strike of chert beds, dip 55° NE, with comby quartz veins. Impregs of black oxides of Mn.

A shaft 30 yd NW of main sh not connected to these workings. – small dump. A pile of hand-picked ore had stained chert & botry pyrolusite. Another adit, barren, 12 fms long, to S from 120 yd NW of main sh. Another 40 yd S of shaft. Output unk.

GS 6" MS map shows Old shafts & trials in the area, some S of Quither

ST(?) 052 169

RAIDER'S RIFT CAVE ? Westleigh Devon

British Caver 31 48 (1958), 32 & 57 13 (1959). Grade 5 survey complete & obtainable (also keys) from the secretary of E. Devon Caving Club.

Discov. 1958, at 052169. Ca 1200' long, in a quarry, working (NB blasting). Mostly high narrow rift chambers & narrow solution passages, running ca NW from entrance.

1" 175 SX 410 807, 415 807-8

RAMSDOWN MINE, Milton Abbot, Devon

Dines (1956) 717. 2 shs 200 yd NE, one 180 yd E, and one 350 yd W of Doconhouse Fm. Small dumps have Mn-stained chert
Other Mn trials 1000 yd ENE of farm with shaft & incline.
No records of output

GS 6" MS map (1908) Dev 97NW shows the mine, shafts, etc.

1" 175 South Zeal,

RAMSLEY MINE, Okehampton. SX 650 930 (I) S 2

AR, MM (1910) Heulandite & chabazite. MM 15, 377 (1910). Cu mine in shales of Culm measures, close to Dartmoor granite. Still working in 1910. A greenstone intrusion is present.

GR 6/55 High dumps easily seen from road. Chabazite, small xls on joints; mucky decomp. chalcopyrite; aspyr, etc. Hornstone pseudomorphs after scheelite octahedra (rare - AWGK) - S part of mine [one actual scheelite octahedron - AWGK]. Axinite; grossular; chalcocite. AWGK. Dumps being carted away, June 1958. Gypsum, small xls on dump-lumps.

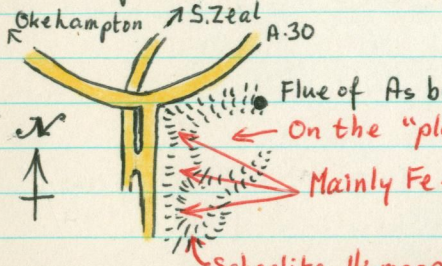
AR MM 21 (1926) Chabazite on alt. greenstone. Heulandite, axinite, grossular

Rayner's Cat. (1960) Andradite var Allochroite on s'hale

AWGK (priv comm) 1959. Beaut. colourless xls of datolite DUBIOUS

almost ½ cm size in the greenstone.
AWGK MM 32 921 Scheelite

GR+AWGK 5/60. Dumps being carted away in S part. A few inferior cream-coloured hornstone pseudomorphs after scheelite here. On top the dumps are getting difficult to search for minerals.



c.Rogers (1965):- Chabazite; garnet; axinite; actinolite

RAMSLEY M Okehampton, Devon SX 65 93 (II)

Rayner's Cat.('60)
Andradite var. demantoid – Okehampton
Andradite var. allochroite – Ramsley mine

AWGK, Min.Mag.1960,32,lxxviii, exhibit: scheelite and pseudomorphs of quartz, Ramsley mine.

RSWOB 7/93 green x|s= diopside → ~1cm (interlocking, very dark)



BMS Newsl. (1997) 46,9 BMS Coll. Cuprite (G. Riddell)

BM 1965.95 Danburite, white compact

translucent & broken prisms in altered greenstone. Pres AWGK so DOUBTFUL

1" 175 SX 55-7 84-6

RATTLEBROOK MINE, Lydford, Devon

Dines (1956) 711-712. 3¼ ml E of Lydford.

An EW Sn lode in granite, with ~~which is~~ haematised & tourmalinised walls. Opencast only. Another lode 1200 yd to S.

1" 175 SX 570 916 (I)

RED-A-VEN BROOK MINE Devon

See also BLACK DOWN; WH. FOREST; MELDON.

At 570918? —GR.

GR 6/55 Small dumps ca. 200 yds from granite contact. A small Cu mine. Skarn facies rocks, with pyrrhotite; chalcopyrite; blende. Rarer is a calcitic matrix with blende; chalcopyrite; galena; & occasional small yellowish tetrahedra of helvite [see M. Abs. 10, 133, (1947) - refr. index; 10, 246 (1948) - test for] (one spec. found).

GR & AWGK 5/60. Two shafts, each with dump. Also a wheel-pit by stream. No helvine found, but collected: bands of green & brown garnet with white fibr. wollastonite; brown to green idocrase; grey-green hedenbergite;

Gramish-Cream. SW only.

massive axinite, calcite, etc. Much pyrrhotite, some chalcopyrite & löllingite.

RW Barstow's Catal. 1874 Malayaite, yellow resinous (fluoresc. yellow)

AWGK MM 32 924 (1961) Helvine.

Mine in narrow outcrop of a series of impure limestones + calc. shales (Lower Culm age), much folded, now dipping steeply N. 2 shafts; dumps have hedenbergite, diopsidic pyroxenes, green & brown garnet, idocrase, wollastonite, calcite; some fluorite & chlorites. Through this are disseminated much pyrrhotite, löllingite, traces arsenopyrite; chalcopyrite; blende; a little galena; some scheelite.

Warington Smyth TRGSC 2 40 (1878). Exploration of Black Down in line with Wh. FOREST (qv)

RED-A-VEN BROOK MINE — Devon (II)

P. Lowes Sale Cat. of J L White Coll (11/95). Malayaite (UV → green fluor) and pabstite (UV fluor → blue).

[NB scheelite known from here & fl. blue – would if true be 1st Brit pabstite]

1" 176 SX 836836 S 13

REED MINE, Teign Valley, Devons

See also TEIGN VALLEY etc., ALLER MINE, FRANK MILLS M; Wh. EXMOUTH; N. EXMOUTH M.

Ramsden, MM, 27, 75, (1945).

Dines (1956), 745 Little information; probably worked variously with FRANK MILLS M; Wh. EXMOUTH, etc. Active before 1844. A Sh. 130 yds NNE of Reed cottages (= Old ENGINE Sh. of ALLER MINE); another sh. 220 yds SSE of the cottages. Dumps: dark grey shale, some saccharoidal quartz, blende, white baryte, galena x/s. (? = N. EXMOUTH MINE, 1860).

Frank Gallon (1982) Priv. Comm → RSOB.

"Farmer has ~ 3 acres of mine tips he wants to get rid of. A mixt., mainly of barryte & galena w. the odd trace of Cu; there are also large outcrops of barryte"

1" 187 SX 7 6

REED'S CAVERN, Buckfastleigh, Devon.

P. Smith, The Lyre (1960) 3, 47. Entered in Higher Kilm quarry. — 6 entrances. Very many formations, relatively unspoiled.

Wh. REFORM, Lydford, Devon

See LYDFORD CONSOLS

1" 176 Hennock. 1 in 176 Sx 84 80 S7

RILEY MINE, Teign Valley, Devon

See also TEIGN VALLEY etc, HENNOCK

Ramsden, MM 27, 75, (1945). Mn mine. marked on map only

Dines (1956), 748. Obscured shafts & adits 500 yds NW, 500 yds NE & 300 yds E by N of Hwish Cross, opened up ca. 1875 for Mn in Culm Meas. shales, cherts & tuffs, with greenstone intrusions. Dumps of black cherty shale.

SX 677698

RINGLESHUTES MINE D'moor Devon

RC Scrivenor, BV Cooper, OA Baker. Proc. Usher Soc. (1977), 4, [1], 7-10

Chalcedony epimorphs of fluorite.

1" 187 SX 482 723

RIXHILL MINE, Whitchurch, Devon

See also ANDERTON MINE

OS 6in map: Sn mine

Dines (1956) 692 W Part of RIXHILL & ANDERTON.

Engine Sh. 870 yd SSE of Brook Mill, W of ~~which~~ the Sh. an old gunnis exposes 2 ft lode of jaspery quartz + chlorite with margins of white quartz with some chlorite, pyrite, arsenopyrite.

"Sampford Spiney"

Wh. ROBERT, Walkhampton, Devon

See Wh. FRANCO. cf E.e N. Wh's ROBERT

1" 175 SX 51₉ 70₈ ?

EAST Wh. ROBERT, Sampford Spiney, Devon

Dines (1956) 697. On Main Lode, E of N.Wh. ROBERT, Whitchurch. Murchison's Shaft, 540 yd E of Trial Sh [of N.Wh. Rob.]. Workings just E of road. Adit level 220 fm E by R. Walkham [?]

Amalgamated with N. Wh. ROBERT as N. WH. ROBERT ca 1850. — Blacktin, lead ore, pyrite.

1" 175 SX 51$_5$ 70$_8$?

NORTH Wh. ROBERT, Whitchurch, Devon

Dines (1956) 696-7. On Main Lode, extending 250 yd E of SORTRIDGE CONSOLS boundary (400 yd E of Horrab'g-Whitch'h road). Trial Shaft 290 yd E by N of Sortridge Eng. Sh. Other Sh's; lodes, eg Tin Lode, South Lode, met in x-cuts.

Outputs include black tin, lead ore, pyrite, (included with EAST Wh. ROBERT ≈1850 as N. Wh. ROBERT) from

JC (1871) 67. N. Wh. ROBERT, Sampford Spiney (Cu) Chalcopyrite

SOUTH Wh. ROBERT, Buckland Mon., Devon

See N. ROBOROUGH DOWN M.

1" 187 SX 520-7 648

ROBOROUGH DOWN, Bickleigh, Devon

Dines (1956) 703 Quartz vein exposed in rail. cutting 800 yd S of Hoo Meavy Bridge; E 10° N, tried by (collapsed) adit. Quartz-wolfram float occurs on the Down around here. Prospected 1942 W of cutting — vein found 500 yds to W., E 10°S, massive iron-stained quartz, with wolfram.

1" 187 Around SX 510 490

NORTH ROBOROUGH DOWN MINE, Buckland Monachorum, Devon

Dines (1956) 702 Prob. includes S. Wh. ROBERT.

Workings on many lodes, over distance of 3/4 ml S from Horrabridge Stn., on W side of Plymouth road. An adit now dammed 300 yd S of bridge at Horrabge.

Quartz strings in brecc. killas, with chlorite, some pyrite; cassiterite as small nests in the chlorite or scattered x/s in quartz.

Closed ≈ 1865.

SOUTH ROBOROUGH DOWN M., Buckland Mon., Devon

See DEVON Wh. BULLER

ROCK HILL M., Ilsington, Devon
See ILSINGTON

1" 187 SX 7 6

ROCK HOUSE CAVE, Buckfastleigh, Devon.

P. Smith, The Lyre (1960), 3, 47. In old quarry now containing private house (West Rock).

1"163 SS 5/6 4

GREAT HUEL Wh. RODD, Combe Martin, Devon

PFC, PMMCJ (1973) [1]6 Exact loc unk., reported to be "near Northill." 1878-1881 minerals unk.

1" 164 SS 934 243

ROSE MINE, Morebath, Devon.

PFC, PMMCJ (1973) [1] 8. 50 yd E of Wilsons Fm, Exbridge, workings for iron and manganese 1881-2.

Wh. ROSE, Walkhampton, Devon

See WALKHAMPTON CONSOLS M.

NEW EAST RUSSEL MINE, Tavistock Hamlets, Devon.

= S. Wh. CREBOR [q.v.]

1" 175, 187 SX 437-447, 710

RUSSELL UNITED MINE, Tavistock Hamlets, Devon

JC (1871) 67 (Sn, working) "Wh. RUSSELL". Cassiterite.

Dines (1956) 674-5. 3 EW lodes :- Main Lode (=Impham, Matthews, or Russel); Great Lode (W contin of E. Russell?) 250 yd to S; South Lode, ≈ 15 yds further S.
Deep Adit, on Main Lode, portal 50 yd N of Weirhead [ie ≈ 437 712]. Other adits, shafts, eg Impham Sh., 140 yd E of portal. [ie x 438.5 711.5]
Great Lode - adit 290 yd S of Impham Sh [ie ≈ 438.5 709]. Cross-cuts to S. Lode.
In 1940, another lode, Cherrytree Reef, exposed at

outcrop on steep valleyside 100 yd N of Deep Adit [Lie x 4375 7125]. EW; quartz, chlorite, soft limonite; no economic minerals.

Minerals on Russell Utd dumps:- quartz, chlorite, chalcopyrite, arsenopyrite; later siderite, fluorite. Tourmaline, scorodite.

B. Cooper 10/76 Spec's → RSUB 76-185, 186.

Siderite with quartz, chlorite, sprinkled with francolite (carbonate-apatite) clear colourless hex prisms, weathering → white

BVC: Sir A.R's Notes, in BM record a spec of childrenite pres. to a coll. by Capt F. Bray, mine manager, in 1878 - Wheal Russell United.

1" 175, 187 SX 4515 7105

E. Wh. RUSSELL, Tavistock, Devons. (I)

See also RUSSELL UNITED MINES; TAVISTOCK CANAL TUNNEL etc.

OS 6in map: Cu mine

cf AWGK, RGSC (1952) "... at one of the Russell mines, Tavistock"

BM. Rashleighite, blue-green glob. on brown matrix.

AWGK MM 31 429. Rockbridgeite dark green [DISCREDITED]

fibrous, (coll 1936). Dufrenite dark green fibrous

BM: Childrenite (A. Russell, 1950) One specimen, "which compares favourably to the W. Wh. Crebor material" [B. Cooper]

JC (1871) 67 Cu mine. Chalcopyrite.

Dines (1956) 675-6. Main Lode E 15°N. Homersham's Sh. 160 yd SbyE of The Rock x-roads [ie ≈ 451 709]; Hitchens' Sh. 205 yd W by S of Homersham's to 100 fm adit, portal 250 yd SW of Hitchens' Sh; [ie ≈ 448 708]. Other lodes. [249 710] Connects with Tavistock Canal Tunnel [qv]

Dumps have quartz, chlorite, chalcopyrite, arsenopyrite. A small amount of black tin returned.

B. Cooper 10/76 Spec → RSWB. 76-187 Dark killas with opaque white spheres and minor small green x/s & glob. aggs pale green prehnite (hex. terminus) — one spec., from dumps. Tavistock Canal

E. Wh. Russell, Tavistock, Devon (II)

tunnel entered during summer drought of 1976 & got into 45 fm level of E. Wh. R., where found childrenite on killas (looking like Drakewalls material)

BC. 31/Aug/75 Childrenite found at Murchison's & Stephen's Shafts.

BVC 6/79. Nr Deep Adit Portal: childrenite & francolite

BMMS Coll 1367 "Ajoite" – error for S. Wh. Crebor = New E. Wh. Russell. This spec.

coll by M. Vincent & Par who told W. Bolton he coll. it in New E. Wh. Russell = S. Wh. Crebor, in 1987. His EDAX of similar material coll. then showed only Cu Al, S; No Si, Na, K, ∴ is ∴ NOT ajoite but is prob. (CO_3?)-cyanotrichite and/or chalcoalumite.

Also in 1987 N. Carruth coll. similar looking material, bright blue crusts from a small pod in roof of "E. Wh. Russell". BM XRD of this 6510F = near ajoite. Photo in Lapis (1994) 19, [1], p 45. Prob. also from S. Crebor. → YES the BM spec is labelled as from New E. Wh. Russell. (GR)

1" 188 SX 7 3

SALCOMBE M., Salcombe, Devon.

J. Brooke, Plym MMCJ (1975) 6 [3] 7-8

Iron mine, 1858-75 (?). Output unknown.

[Salcombe SX 73 38]

1" 188

SALTERN COVE, Torquay, SX 895 586 Devonshire.

Solly MM 8 183 (1889) Haematite ψ after pyrite in calcareous shale of N part of Saltern Cove.

SAUNTON DOWN, Barnstaple, Devon

See BARNSTAPLE

1" 176 N 1 in 176. SX 84 86 S 17

SCANNICLIFT MINE, Teign Valley, Devon

See also TEIGN VALLEY; HARE HILL M.

Ramsden, MM 27 75 (1945). Mn mine. Only on map.

Dines (1956), 747. At Doddiscombsleigh, TEIGN (= SCANNICLIFT COPSE) MINE, (AM RIZI D), 800 yds E of Christow Stn. Shallow surface wkgs. Rr adit driven SE from 200 yds SW of the W-most openwork, inside Scanniclift Copse. Small Mn working in Culm measstones, cherts, tuff, & greenstone intrusions. Aband. ?1875

1" 177

SY 24 90

S 146

SEATON, "Axminster," Devon.

JC (1871) 70 Asbestos.
TMH (1868) 56. —"— in Keuper Marls.

1" 163 SS 686 284

SHALLOWFORD MINE, South Molton Devon. (I)

BM: Meneghinite, small metallic prisms e massive. [? AWGK; mine ~~not~~ in Dines] 760 v infra

AWGK, MM (1965) 424. Small dumps just E of Shallowford Bridge, ca 2½ mi NW of South Molton: Killas, with quark-siderite veinstuff with: pyrite, chalcopyrite, blende, galena, bournonite, tetrahedrite, boulangerite e meneghinite (small acic. xls.). Dines (1956) 2 760, under "Combe" refers to what are apparently the same

dumps, but I have not found arsenopyrite, stibnite, or jamesonite.

Dines (1956) 760. Old workings between 200 yds E & 500 yds E of Shallowford Bridge, on S side of a stream flowing W to join R. Bray. Here, shale dumps have vein stone of brecciated killas, cemented with quartz with galena, siderite & arsenopyrite. Some veins of siderite are up to 4in wide & include x/s of stibnite or jamesonite [these last two dubious - cf AWGK above]

SHALLOWFORD MINE, South Molton, Devon (II)

PFC, PMMCJ (1973) [1] 7 Unnamed mine, at 686 284, reported S of stream 400 yds E of Shallowford Bridge. Mineral/date unk

1" 176 SX 80 80 8

SHAPTOR MINE, Lustleigh, Devon
See also ~~PLUMLEY~~ KELLY M etc

Dines (1956) 726 Narrow micaceous haematite lode 11ft to e ~200 yd N of, PLUMLEY M.

SHARCOMBE M., Devon

See BRIXHAM

SHARHAM PT. M. Devon

See BRIXHAM

SHARKHAM POINT M., Devon

See BRIXHAM

1" 1886 SX 9 5

SHARPHAM MINE, ~~Brixham~~, Devon. S 139

JC (1871), 69. (Fe, wkg.) Haematite; limonite.

Sharkham pt 93/546

1" 187 SX 53 2 63 2 S 94

SHAUGH MINE, Plympton, S. Devon

See also PLYMPTON, HEMERDON.

JC(1871) 68 (Fe) Chalybite; limonite

Dines (1956) 686. ½ ml W of Shaugh Prior.
NS iron lode in Squares Wood on valley slopes.
Shaft 480 yd S of Shaugh Bridge; adit 100 yd to W. Surface workings.
Gozzany quartz; spongy botry limonite with some pyrite inclusions. Pyrite said to be main ore in adit.

J. Brooke Plym MMCJ (1975) 6 [3] 7-8
Iron mine, at Shaugh, 1837-40 1864-74.
"Brown hdematite"

1" 187 W SX 569 683 S 98

SHEEPSTOR, Dartmoor, S. Devon

JC(1871) 68 Cassiterite; gold.

G&L (1858) Gold.

1" 163

SS 59-60, 37-38

SHIRWELL, nr Barnstaple, Devon

See also PLAISTOW, VIVEHAM, SHIRWELL FORD M; COTT Q'y M.

PFC. Plym MMCJ (1973)[1]; (1974)[1]. Un-named mine, at 6079 3756 [see Dines]; SHIRWELL FORD MINE, 599 379
SHIRWELL M = PLAISTOW M, 567387. VIVEHAM M. 571388

Dines (1956) 759. Small workings 3/4 ml NE, & 1/2 ml E of Shirwell. [& ≈ 605381, 605374].
Adits, shafts. An iron mine. Ochre.

~~SHIRWELL MINE (Fe) 607 380~~

PFC Plym MMJJ (1973)[1] Another un named Fe mine in Yeo valley – adit 175 yd N of Blackpool Bridge, shaft in woods to N.
COTT Q·y MINE 607 384 [q v]

1" 163 SS 5990 3785

SHIRWELL FORD MINE, Shirwell, Devon

See also SHIRWELL etc.

PF Claughton, Rlym MMCJ (1973)[1] 5; (1974)[1] 9.

Shaft & opencast at 5990 3785 next to quarry, worked for Fe, 1874.

SHOTTS M., Ilsington, Devon

See ILSINGTON

1" 176 SX 82$_2$ 82$_9$

SHUTTAMOOR MINE, Christow, Devon

See also KELLY M, etc.

Dines (1956) 726 Old Sh's, with adits just E of Shuttamoor Fm, 1½ mls SSW of Christow; trials on EW specular haematite lode.

1" 176 SY 1287

SIDMOUTH, Devon. S 145

See also PEAK HILL;

JC (1871) 70. Celestite; flint.
TMH (1868) 59 — Ditto —

GeL (1858) Celestine, transp. xline plates on gypsum; also in flints.

UKJMH (2003) 23, 27-35 The "celestine" is baryte. (See PEAK HILL)

1" 187 SX 550-4 590-3?

SIDNEY MINE, Plympton St. Mary, Devon.

Dines (1956) 686-7. Sn-As mine. 3 EW lodes:- NORTH (JULIEN'S); MAIN (MIDDLE); SOUTH. N lode worked from Julien's Sh 950 yd SSW of Portworthy & 100 yd W of lane [ie ca 550 593] Main lode - surface workings 200 yd SE by S of Julien's Sh., adit portal on W side of Tory Brook valley; other adits. S lode marked by old pit 70 yds further S.

Quartz, chloride, pyrite, cassiterite, arsenopyrite.

1" 175 SX 7 7 S 117

SIGFORD MINE, Ilsington, Devon.

JC(1871) 69 (Cu, Sn) cassiterite; chalcopyrite.

Sigford SX 77 74

1"187 SX 7875, 7975

SILVER BROOK MINE, Ilsington, Devon.

Dines II (1956) 731, 734. ½ mi ESE of Ilsington, nr. Lenda Farm. Silver-lead & zinc mine. Baryte, calcite, sphalerite, galena, quartz, a little pyrite.

AKHJ. Silver Brook mine 7875

OS 2½" Dartmoor has "Mine (dis.)" nr 788758

V. Rae, Priv. Comm. 6/93. Mike Merry has found nice red sphalerite x/s.

Silverbrook Mine, Ilsington [Grid Ref: SX 789 758] RSN ('95) 26

This mine, reputedly an extremely ancient one, worked two NE trending lead/zinc lodes in the Silver Brook Valley south of Ilsington. Mining was evidently carried out in the 17th century according to 19th century deeds, with further work for a short period in 1757 at which time the miners left in a hurry leaving their tools behind. These were found in 1851 when the mine was reopened and worked again for a further seven years. Recorded outputs are: 1854-56, 93 tons of lead ore and 80 oz of silver, and 1,474 tons of zinc ore between 1854 and 1858.

Geology:

Lower Carboniferous Teign Cherts (greyish green and brown banded) and thickly bedded Black Combe Shales. The low-angle Silverbrook Thrust Fault lies along the line of the valley. About a mile to the west is the metamorphic aureole adjacent to the Dartmoor Granite.

Minerals recorded from the dumps to date include:

baryte, calcite, galena (argentiferous), pyrite, quartz, sphalerite.

Bibliography:

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E.M. Durrance & D.J.C. Laming, *The Geology of Dartmoor*, University of Exeter

BGS Memoir, *Geology of the Country around Newton Abbot*, NERC, HMSO

RSN (2000) 37, 11. (3/10/99) N. Hoppé ~~[illegible]~~. Under hard crust of f large compacted fines dump by river:- calcite/dolom traces sphal None of the large (→ 4 mm) orange As seen in recent years. At 789 759 Small o'grown quarry visited on way back to road; no wavellite. [Should there be?]

Wh. SIR MASSEH, Walkhampton, Devon

See Wh. FRANCO

1" 175 SX 7 7 S 118

SMALLACOMBE MINE, Ilsington, Devon.

JC (1871) 69 (Fe) Limonite; haematite.

Rudler (1905) 66. Bedded iron ores, probably originally a carbonate, altered to magnetite

1" 187 SX 7 6/7

SMITH'S WOOD MINE, Ashburton, Devon. S 126

JC(1871) 69. (Sn) Cassiterite

1" 163

SS 517 409

SNOW BALL HILL, West Down, Devon

Dines (1956) 759. Surface workings for Mn, similar to FULLABROOK, on N side of R. Caen, ½ mi W of Fullabrook. Adit, portal 100 yds from stream, driven 450 ft NW by N to shaft. Purple sandstone stained by Mn.

PFC, Plym MMCJ (1973) [1] 4. Adits & shafts for Mn, at 517409

1" 163 SS 70 28

SNURRIDGE, South Molton, Devon

PFC, PMMCJ (1973) [1] 7. Unnamed adit E for Snurridge Fm., Mineral/date unk.

1" 187 SX 48, 70 4

SORTRIDGE AND BEDFORD MINE, Whitchurch, Devon.

See also WESTDOWN MINE.

Dines (1956) 694 Shaft near centre of West Down - trial, no veinstone on dump. Trial pit 180 yd to WSW & trial adit 520 yd WSW on bank of Tavy, driven a few feet on a barren lode. Another adit trial 140 yd to N on fault with some pyrite. Other trial adits 220 yd S of the shaft on N bank of R. Walkham, and 320 yd SSW on oppos. bank.

NO records of production

1" 175, 187 SX 510 707 S 89

SORTRIDGE CONSOLS MINE, Whitchurch, S. Devon

JC (1871) 68 (Cu) Chalcopyrite

Dines (1956) 695-7 Engine Shaft, 500 yd SE of Sortridge Manor, on ≈ EW Main Lode. To E on lode lie N e E Wh. ROBERT, but not connected underground.

2-3' lode of brecciated killas with quartz, chlorite chalcopyrite, pyrite, arsenopyrite; a little siderite with traces galena & sphalerite.

Other lodes - 3 to N of & 5 to S of Main.

B. Cooper 10/76 Spec → RSWB (76-184)
Childrenite, on Killas ("Loc G then F")

Peter Knight & B. Cooper 10/76 Beaverite
like green "cruddy pyromorphite"
(BM, X-ray).

1" 187

SX 59 72?

EAST SORTRIDGE MINE, Whitchurch, Devon.

Dines (1956) 693 Obscured trial on Plaster Common. Lode E 12°S. Shaft 60 yd E of the NS road across the common, & 280 yd E by N of the Great Sort. Sh.

1" 187

SX 51 72?

EAST SORTRIDGE MINE, Whitchurch, Devon.

Dines (1956) 693 Obscured trial on Plaster Common. Lode E 12°S. Shaft 60 yd E of the NS road across the common, c 280 yd E by N of the Great Sort. Sh.

1" 187 Sx 54 72?

GREAT SORTRIDGE MINE, Whitchurch, Devon

Dines (1956) 693 = PLASTER CONSOLS.
Obliterated trial on Plaster Common.
Shaft 480 yd ENE of the gt. W. Sort.
Sh. Lode E 14° N.

1" 187

SX 50 72??

GREAT WEST SORTRIDGE MINE, Whitchurch, Devon

Dines (1956) 693 Trial for tin, ca 1856 on Plaster Common. Pits revealed gozzany quartz with pyrite, siderite, arsenopyrite, galena. A shaft, just beyond W corner of the common

1"187 SX 495 708

WEST SORTRIDGE CONSOLS, Whitchurch, Devon.

Dines (1956) 695 = LITTLE GEM MINE; probably = WALKHAM VALLEY MINE

North and Main or South Lodes, ≈ EW, worked on NE slopes of Walkham Valley by Lucy's Sh., 650 yd ESE of Grenafen Bridge. Shallow Adit 60 SE, and Deep Adit 40 yd SSE of the shaft.

Tourmalinised killas containing cassiterite, with quartz strings; ~~with~~ pyrite, chlorite, arsenopyrite, wolframite.

1" 187 SX 69 60

SOUTH BRENT, Devons.

Rudler (1905), 97. Datolite, with garnets, in the limestone (Buss, Geol Mag (1896), 492)

SOUTH DEVON MINE, Devon

See BUCKFASTLEIGH

SOUTH DEVON UNITED COPPER MINES,

Buckfastleigh, Devon.

See BROOKWOOD M., etc.

1"88, 187 ~SX 7 4

SOUTH HAMS, Devon.

Leake, RC et al (1985) "Volcangenic e exhalative mineralisation within Devonian rocks of the South Hams district of Devon". Min. Rec. Prog. Rep. No. 79, Brit Geol Surv.

Grains of palladian gold and one dendritic grain of potatite (PdHg) in panned overburden ~30 km SW of Hope's Nose [q.v.].

1" 163 SS 701 285

SOUTH MOLTON MINE, South Molton, Devon

Dines (1956) 760. "COMBE". Shaft just E of, dump just W of Combe Martin road, 100yd N of 2nd milestone from S. Molton. Plans in Min. Rec. Off as "South Molton Mine". Sandstone dump. galena, sphalerite, siderite.

PFC, PMMCJ (1973) 4[17; (1974) 5[1]10. SOUTH MOLTON = COOMBE MINE = S. MOLTON CONSOLS
Worked for silver-lead 1849-54, 1874-9.

BM: Wurtzite, brown, intergrown with

sphalerite – "Combe Lead mine, South Molton, Devon"

1" 163 SS 478 413
or 47 40

SPREACOMBE, Woolacombe, Devon
See also BUCKLAND

Dines (1956) 759 Iron trial 5½ ml SW by S of Ilfracombe. — line of shafts for 300 yds S of the lane, 750 yds W by S of Spreacombe House. Brecciated sandstone cemented by haematite, limonite, psilomelane, wad.

Active 1874-6, 1889.

PFC, Plym. MMCJ (1973)[1] 4. Shafts & adits on vein N 10°W for iron.

STAPLE TOR MINE, Whitchurch, Devon

See MERRIVALE BRIDGE MINE

1" 175 SX 6494

STICKLEPATH, Okehampton, S. Devon. S 48

See also BELSTONE MINE,

JC(1871) 66. Actinolite; axinite; hornblende.
TMH(1866) 59. Granite; slate, & trap. —Ditto—.

BM(1) Dumortierite*; good, radiating, in pegmatite

GR, BMS Newsl (1999) 52 1475. AWGK's dumortierite → BM ≡ material from Delesa, San Diego Co., California.

1" 163

SS 501405
505402

STOCKLAND MINE, West Down, Devon

PFC, PMMCJ (1973)[1]4 (1974)[1][9]. Shaft in Stoneyard Wood 505/402 Iron mine, 1875. Also adit in Pines Dean Copse, at 501405

SX 8 5

STOKE GABRIEL MINE, Stoke Gabriel, Devon.

J. Brooke Plym MMCJ (1975) 6 [3] 7-8
Iron mine, 1865-6. "Brown haematite"

[Stoke Gabriel, SX 84 57]

1" 175 SX 712 783

STONESLADE TOR D'moo Devon

RC Scrivenor, BV Coopere OA Baker Proc Ussher Soc (1977) 4 [1] 7-10 Magnetite in vein from near Stoneslade Tor (SX 712 783).

1" 163 SS 713 319

STOWFORD MINE, North Molton, Devon.

PFC, PMMCJ (1973)[1] 7; (1974)[1] 10. Shafts & adits in valley nr. Stowford Bridge. Worked for iron, late 19th Cent. partly in conjunc. w. BAMPFYLDE MINE

Dines (1956) Iron mine, on lode E 20° S, worked by opencasts, shafts, adits around Stowford Bridge. Mostly obscured by vegetation. Produced brown haematite 1883-7. Quartz strings in massive "limonite".

← ?goethite

1" 187

SX 514 740-1

SURPRISE MINE, Whitchurch, Devon.

See also DEVON BURRA BURRA MINE

Dines (1956) 691 = WHITCHURCH DOWN CONSOLS.

Two Cu lodes, a few degrees S of E outcrop on S side of stream at Pennycomequick. Adit to WSW from near stream 630 yd SSW of Moorshop X-roads. 3 shafts. Shales with strings of chlorite & pyrite.

1" 163 SS 62 30

SWIMBRIDGE, Devon

PFC, PMMCJ (1973) [1] 6. Unnamed copper mine, discov. ~ 1808 in Swimbridge pH.

1" 175 , SX 4- 8
5- 8

SWINCOMBE VALE MINE, Lidford, S. Devon. S 52

JC(1871) 66 (Sn) Cassiterite.

1" 175 SX 440837 6" 87SW (1907)

SYDENHAM & LEEWOOD MINE, Marystow, Devon K 62

AR, MM (1946) 231

cf RSWB 80-154

Dines (1956) 714 Incline from 1000 yd E by S of Sydenham Bridge high on valley side, to N down dip of chert beds, ~~with~~ opening into short chambers here & there from which Mn ore has been mined. Cracks, bedding planes, etc stained with black Mn oxide! Rhodonite acc. to A.R. Outputs 1870, 1871; those of 1856-60 included with CHILLATON & HOGSTOR.

BVC (1981) Spec → RSWB 81-30 IR:

Rhodochrosite, pink vein in massive.
Paler pink spots unaffected by HCl
so ≈ rhodonite

1" 187 SX 5 5

Wh. SYDNEY, Plympton, S. Devon. S 95

JC (1871) 68 (Sn) Cassiterite.

[Plympton, SX 5356]

1" 187 SX 43 65

TAMAR MINES Beerferris, S. Devon. S. 86

See also ~~TAMAR CONSOLS MINE etc. S 29, 588, 585, 586.~~; FURZEHILL MINE; TAMAR M [CORNWALL]; cf TAMAR SILVER-LEAD MINE

TMH (1868), 57 Devonian (Pb Ag) blende; cerussite; fluorite; galena; marcasite; arsenopyrite; quartz; chalcophyllite ("Tamarite")

Rudler (1905) 53. Chalcophyllite from Wh. Tamar.

OS 6in map shows: Tamar smelting works at 434$_5$ 650$_5$

W. Phillips (1823). Chalcophyllite.

1" 187 SX 46

TAMAR CONSOLS MINE, Beerferris, S. Devon S 87

See also E. TAMAR MINE, (S 29); TAMAR VALLEY MINE (S88) QUEEN OF TAMAR MINE (S85), TAMAR MINES (S 86) N. HOOE MINE

JC (1871), 68 (PbAg) Blende; cassiterite; chalcophyllite; fluorite; galena; marcasite; rock xl; tarnopfite.

Dunham F (1952) 119 Possibly = N. HOOE MINE

EAST 1" 187 Beerferrers, 5x 436-7 656 S 29

TAMAR MINE, S. Devon (I)

See also N.Wh. TAMAR (K 134), TAMAR MINES, etc.

Rutley, 15th. Ed., p.213, azurite.

Collins (1871) p.68. Lead mine. Anglesite; cerussite; azurite; galena; malachite; hornstone.

TMH (1868) 57 In Devonian: Pb mine. Anglesite; cerussite; azurite; galena; ~~mal~~ hornstone.

Dunham, F (1952) 120 = FURZEHILL MINE. To N of S. TAMAR CNSLS, on same lode, for at least 1000 yds N of boundary. No plans. Dumps of dark grey shale with vein

quartz with scattered x/s of blende, fragments of galena & blende & some green fluorite. Sold fluor 1857-8.

G&L. Azurite, good x/s. Fluorite

RSWB (8/65) 4 200 FURZEHILL M. at 436 654$_5$ Now rubbish tip, with hens. V. little material exposed - quartz, fluorite (c'less → greenish) galena, blende, Cu-stains -? rosasite

Dines (1956) 683-4. FURZEHILL M., = E. TAMAR M. = WHITSTONE (?WHITSOM) DOWN M.
Lode worked for nearly 3/4 mi to N

EAST TAMAR MINE, Bere Ferrers, Devon (II)

from NE of Weirquay village. Most N shaft gourds, just SW of road junct 700 yd E of Whitsom [i.e. ≈ 438 661] Other Shafts. Dumps of shale with fluorite, galena, sphalerite, pyrite, quartz.

NORTH TAMAR MINE, Bere Ferrers, Devon

See NORTH MOOR MINE

TAMAR SILVER-LEAD MINE, Bere Ferrers, Devon

See SOUTH HOOE MINE

1" 187 SX 437 645

SOUTH TAMAR MINE, Bere Ferrers, Devons. (II)

See also TAMAR MINES, etc.

Dunham F(1952)120. S. TAMAR CONSOLS, 1½ mls SSW of Bere Alston, on Pb lode. ENGINE Sh, 600 yds SSE of Weirquay, follows lode underlie to the 146 fm level — workings extend ca. 1000 yds to S. Surface indications show worked for 600 yds to N, to boundary of E. TAMAR CONSOLS on same lode, to N. No descrip. published of lode. Dumps have much banded vein quartz, with blende, green fluorite, galena, pyrite. Flooded & aband. 1856.

RSWB (8/65) 4 199. Dumps nr 435 645.

galena, blende, fluorite (green → yellowish → purple → c'less; all massive); quartz. Traces ? hemimorphite

Dumps at 4355 6515 on N side of road: Fines; galena, blende, quartz, fluorite

Dines (1956) 684. = CLEAVE AND BIRCH MINE
Surface indications of extensive workings on N, adjoining E. TAMAR M., but no records. Records only of S part from 150 fm N of the Tamar, for 450 fm to S.
Engine Sh. 450 yd SSE of road junction in

SOUTH TAMAR MINE, Bere Ferrers, Devon (II)

Weirquay, where lode N 12° E (swings to N 25° W at S end of workings); other shafts.

Dumps have much banded quartz; some sphalerite, green fluorite, galena, pyrite. Ag content of galena said to be 80–120 oz/ton Pb at top to 35–40 oz/ton Pb lower down. Abandoned 1856.

1" 187 SX 4368, also 4468, 4568, 4369, 4469, 4569 4370, 4371.

TAMAR VALLEY ALLUVIALS, Tavistock Hamlet & Bere Alston, Devon.

Dines (1956) 681. Investigations of foundations of railway bridge at Calstock [434 687] ca 1907-8 proved 120 ft depth of alluvials with tin & wolfram. Later boreholes in area showed up to 16 lb Sn+W per cubic yard [overall, 5 lb/cubic yard] ~~from~~ from ca 17×10^6 cu yds between the bridge & Weirhead [437 711]. Not worked.

1" 187 SX 437 678

TAMAR VALLEY MINE, Beerferris, S. Devon S. 88
Beer Ferrers.

[cf, but not = TAMAR MINES] See also BEERALSTON M's, etc.
JC (1871) 68 (Pb Ag, wkg.) Galena.

Dunham, F. (1952) 119. Small mine on NS Pb lode ½ml S of Calstock also known as BUTTSPILL MINE & later as NEW TAMAR VALLEY Lode character unknown. Worked to 57 fms & extend ca 200 yds. A dump of ca 400 tons, mostly overgrown, may be 20% fluorite.

Dines (1956) 683 = BUTTSPILL M. In small valley on S bank of Tamar. N workings from

adit close to river 260 yd NE of Buttspill, & shaft. S workings (main) from Western Eng. Sh. 170 yd SE of Buttspill; adit 100 yd N by E. An old shaft 450 yds to S, on lode line - no records

Fluorite, lead (up to 32 oz Ag/ton Pb). Pyrite also in returns

NEW TAMAR VALLEY MINE, Beer Ferrers, Devon.

See TAMAR VALLEY MINE

1"163 SS 631 465

TATTISCOMBE FARM, Trentishoe, Devon

PFC, PMMCJ (1973)[1] 6. Adit N of farm, Name, date, minerals unk. - as for workings reported on S side of valley 500-600 yd SW of farm. [i.e. ~ 628 462]

TAVISTOCK, Devon. (TT)

LJS, p. 131. Scheelite good x/s.

Rutley, 15th Ed, p. 144. Axinite, "nr. Tavistock"; anatase;
p. 163, psilomelane "nr. Tavistock".

BM: Childrenite, brown x/s; bismuthinite.

Rudler (1905) 89. Pale green fluorite octahedra, with chalcedony.

Parkinson's Cat. (1959). Anatase, minute x/s in chlorite
(of VIRTUOUS LADY MINE)

1" 175, 187 SX 47 74 S 61

TAVISTOCK, S Devon (I)

TMH (1868), 59: Devonian: anatase; brookite; fahlerz; bismuthinite; marcasite; arsenopyrite; pyrite; pyrolusite; rock xl; wolfram.

Rudler (1905) 71 Childrenite, discov by Lévy from specs found by cutting a canal nr. Tavistock.

W. Phillips (1823) Magnetite octahedra, nr. Tavistock.

Nölting, J (1890), Z für Kryst e Min. Ref to in.. Grguric & Nickel (2006) UKJMM 27, 39-40

PTO

wurtzite rad. fibr. on pyrite stalact.
e as xline aggs.

Tavistock, Devon. (III)

Rayner's Cat (1960).

Virtuous Lady mine - anatase; chalybite.

G+L (1858).

Wh. Friendship near Tavistock: calcite, pale lilac obtuse rhombs [AWRK: also schiefferspar]. Scheelite, fine yellow octahedra, up to 1½", in chlorite, occasionally with wolfram.

1" 175, 187 SX 462723 – ~~449~~ 449 703 ✓ (I)

TAVISTOCK CANAL TUNNEL, Tavistock Hamlets, Devon.

See also Wh. CREBOR etc., E. Wh. RUSSELL.

Dines (1956) 671-3, 676. Driven 1803-1818, and in which Wh. Crebor lodes discovered. One portal 20 ft W of Wh Crebor Incline Sh, other near overflow weir at Morwellham – 2560 yds S 30° W. Bray's Sh., 400 yds E of the Rock X-roads, connects. ~~Looked at in~~ Examined in 1923, 1933. by F. Cloke RW Toll e CF Barclay (MS).

A few fms from Crebor entrance is a narrow quartz-pyrite lode with a crosscourse with quartz, galena. After an elvan, cuts

Georgina lode, between ⅓ & ½ mi from portal with workings stopes etc, quartz, chlorite, pyrite, chalcopyrite. Gozzany.

Dines p676 Tunnel also cuts Middle & North Lodes of E. Wh. RUSSELL – Middle Lode is quartz with spots chalcopyrite. Tunnel lined in this area, but lode seen (& stoped) in X cut to S.

R.W. Toll, Mining Mag (1948)(Sept) "The Tavistock-Morwellham Canal". Descrip., history.

F Clode CF Barlay, RW Toll's MS of 1923 & 1933 visits. Descrip., history

Barclay & Toll's MS of 1931 visit } No further minerals described

TAVISTOCK CANAL TUNNEL, Tavistock Hamlets, Devon (II)

J. Taylor, Trans Geol Soc Series I vol IV (1817) 146–155 Descrip; section.

Childrenite discov:- Discussed by Dufrenoy

FW Rudler :- by Levy (No ref) (WRONG)

GeL p 80 by M Levy at turn of century on siderite & pyrite "in cutting a canal nr. Tav"

Collins - No ref.

Dana :- Brooke, (Quart J Sc Lit Arts 16 274, 1823) (Nearly correct)

"Scientific Intelligence" in — ? (?) should be xvi

Brooke, Quart J vol xiii — In small apertures, on the surface of xlised qtz found in some part of the ground perforated for the canal near Tavistock, in Devonshire

RSWB 74-355 Ex BC; Ex Exeter Mus(

Chlite (IR) + francolite (IR) + pyrite in qtz.
CO_3 apatite

BC 10/76 Entered tunnel in dry summer '76
→ 45 fm lev. of E Wh Russell [qv]
where found childrenite

TAVISTOCK UNITED MINE, Whitchurch, Devon

See ANDERTON MINES

1" 187

SX 468-9 688

TAVY CONSOLS, Tavistock, S. Devon

K 34

Little map 14

JC(1871) 67 (Cu) Chalcopyrite

Dines (1956) 680. 2 mi E of Calstock. Lode, a few degrees S of E, worked 100 fm E & 90 fm W of Engine Sh., 310 yds NW by W of Balstone & 160 yd W of the Tavy. Adit level. A crosscourse reputed to have some galena. Lode has Sn, As in upper levels & Cu below [?] Dumps have quartz-chlorite, chalcopyrite, arsenopyrite, pyrite, siderite. Black Tin in returns.

BVC Priv Comm 26/9/78 Spec → RSWB. Checked by IR (<1.63) francolite, on siderite

NORTH TAVY MINE, Tavistock Hamlets, Devon

See LITTLE DUKE MINE

TEIGN MINE, Doddiscombleigh, Devon.

See SCANNICLIFT MINE

1" 176 SX 88 S6

TEIGN VALLEY Devon. (I)

MAP, P.T.O See also TRUSHAM

Notes on min. deposits of Teign Valley; Ramsden, MM. 27, 75, (1945)

Pb: Seems to have occ'd. in small pockets between wall-rock & barite veins at Bridford. In qtz at Frankmills & Exmouth. Argentiferous.

Zn: Small disseminated xls at Bridford.

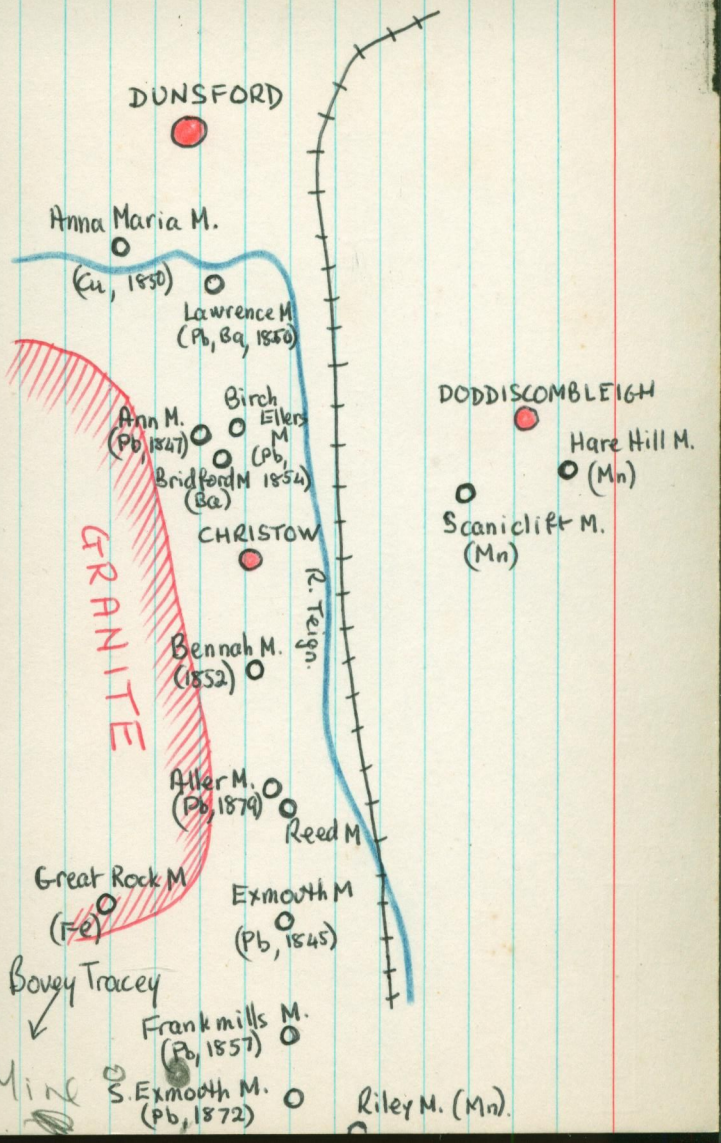
Sr: Up to 2% $SrSO_4$ in barite.

Fe: Micaceous haematite at great Rock & Kelly mines [Michell, Mine & Quarry Eng., (Jan, 1945)]. Granite wall rocks heavily tourmalinised

Mn: Deposits prob. derived from ferromanganese silicates. Assoc. w. chert.

Dines (1956), 741. The area consists of much-faulted and folded Culm measures (hard + soft shales, mudstones, cherts, tuffs with extensive intrusions of volcanic rocks); near the

[See II]


DUNSFORD
Anna Maria M.
(Cu, 1850)
Lawrence M
(Pb, Ba, 1850)
Birch
Ann M.
(Pb, 1847)
Elkers M
(Pb, 1854)
Bridford M
(Ba)
CHRISTOW
GRANITE
R. Teign.
Bennah M.
(1852)
Aller M.
(Pb, 1879)
Reed M
Great Rock M
(Fe)
Exmouth M
(Pb, 1845)
Bovey Tracey
Frankmills M.
(Pb, 1857)
S. Exmouth M.
(Pb, 1872)
Riley M. (Mn).
DODDISCOMBLEIGH
Hare Hill M.
(Mn)
Scaniclift M.
(Mn)

TEIGN VALLEY, Devon. (II)

granite margins metamorphism has produced spotting in shales, chiastolite in mudstones and calc-flintas in cherts.

Mineral deposits of two types only:

(i) Pb/Zn with spar minerals in N–S lodes along W side of valley.

(ii) Mn-impregnations, generally in the chert beds of Culm measures, generally assoc. with basic volcanic rocks.

1" 175 SX ~ 48 82 ?

Wsh. THOMASINE, Brentor, Devon

AKHJ (1981) "Devon..." p 19. At Burcombe Farm. In Mn belt, here nat. copper

465 815

THROWLEIGH MINE, S. Tawton, Devon

See GOOSEFORD M.

1" 188 Big Bay! SX 85, 86, 95, 96
S 133

TORBAY, Torquay, Devon.

See also TORBAY MINE; TORQUAY etc;

JC (1871), 69. Aragonite; chalcedony var beekite

TMH (1868), 60: Aragonite

GeL (1858). Aragonite, aggregates of acic. xls.

1" 188

SX 86 or 96?
S 134

TORBAY MINE, Torquay, Devon.

See also TORQUAY etc; TORBAY; BRIXHAM,

JC(1871) 69. (Fe) Haematite; Limonite

TORBAY IRON M., Devon

See BRIXHAM, TORBAY M, TORQUAY etc

Unplaced

TORNEWTON CAVE — Devon.

MM 31, 344. Collophane (Coll. Apatite) in lower Hyaena stratum.

1" 188

TORQUAY, Devon

Cent on SX 91 64
86, 96

See also TORBAY; TORBAY MINE; HOPE'S NOSE; BABBACOMBE BAY; DADDY HOLE, BARTON M

Rudler (1905) 67 Haematite pseudo after pyrite
Mem GS. "Torquay" (1903) p48. Gold in calcite, just SE of T.

Gordon, Nature (1922) 583 gold in limestone (see also HOPES NOSE) Hope's Nose, also a former find at Daddy's Hole proved too poor to work

928 628

GeL (1858) Baryte, small tabular x/s with calcite at 'Babicombe' & in many other quarries near Torquay

Rayners Cat. (1960) Baryte + quartz - St Mary's Church, Torquay.

Crystal Vine Cat (7/04) Calcite - LUMMATON Q.;
WALLS HILL Q.

Wh. TREEBLY, Buckfastleigh, Devon.

See BROOKWOOD M., etc.

Torquay, Devon

Rayner's Cat. (1960).

St. Mary's Church, Torquay : Bar. + qz.

AR, Min. Mag. 1929, 22, 159.

~~Dendritic gold in calcite veins.~~ (Au)

① 35 yrs ago, Au in calcite just SE of Torquay; discoverer not known + no specimens preserved; only ref. is in Mem. Geol. Surv. "Torquay", p. 48 (1903).

② Au at Hope's Nose found by Gordon, Nat. 1922, 109, 583. Re-examined by AR 1927+ 1928 [details].

1" 187 SX 580 645

TROWLESWORTHY TOR, Dartmoor, Devon

Rudler (1905), 26. (RN Worth Trans R Geol Soc x (1887), 177)

"Trowlesworthite" – rock of bright red orthoclase, deep violet fluorite, black acicular tourmaline & a very little quartz.

1" 176 SX 85 82

TRUSHAM, Teign Valley, Devon

B. Cooper & A. Wright, gift to RSWB, 10/70

chalcopyrite x/s with white dolomite x/s

1" 164 SS 86 23

TUCKERS MOOR, East Anstey, Devon.

PFC, PMMCJ (1973) [1] 8. Unnamed shaft & adit reported somewhere on Tuckers Moor, 1½ ml S of East Anstey Stn. Date/ minerals unk.

Dines (1956) 763 EAST ANSTIE. An adit & shaft 1½ ml S of E. Anstie Stn in search of Fe or Mn ore? Siliceous slates, with quartz veining & some "calcareous matter" & in places impreg w. manganese oxide.

UBBASTONE MINE, Northam, Devon

See HUPPLESTONE M.

SX 6 5

UGBOROUGH MINE, Ugborough, Devon

J Brooke Plym MMCJ (1975) 6 [3] 7-8
Iron mine, 1874. "Brown haematite" (?)

[Ugborough, SX 67 55]

UNION MINE, Mary Tavy, Devon

See DEVON Wh. UNION

1" 187 SX 47 or 57

UNITED MINES, Tavistock, S. Devon S 71

JC(1871) 67 (Cu)(Sn). Cassiterite; chalcopyrite

1" 163 SS 756 293

UPCOTT MINE, North Molton, Devon

PFC, PMMCJ (1973) [1] 8 Shaft 150 yd E of Upcott, for lead & copper

Dines (1956) 763 Small mine 1¼ mi E by S of North Molton. Shaft 150 yd E of Upcott. Worked EW lode for lead, copper. Dumps have quartz, calcite, galena, pyrite, chalcopyrite

UPTON M., Devon

See BRIXHAM

UPTON and TORBAY M., Devon

See BRIXHAM

1"176 91 97 6" 68SW (1907) SX 9, 97

UPTON PYNE Mn MINE, Exeter Devon (S) 24

See also NEWTON ST. CYRES

AR MM (1946). Rhodonite (Greg & Lettsom) not found by A.R.; no specimens known. Mn mine

JC (1871) 76 Under "N. Devon" Manganite; psilomelane; pyrolusite; wad; rhodonite. [but v. supra]

TMH (1868) 60. Upton Pyne, Devon. Mill grit: [but v. supra] Manganite; pyrolusite; rhodonite; wad.

Rudler (1905) 76. Mn deposit opened up ca 1770, the same vein also being worked at NEWTON ST CYRES, but both discontinued ca 1810.

Excellent Manganite x/s

GeL (1858) Manganite, fine x/s; psilomelane; wad, in v. light masses, dark brown. Rhodonite [but v. supra]

Dines (1956) 754 Newton St Cyres & Upton Pyne. Mn ore along a 7-mile EW line from Woodley, through Upton Pyne, to Huxham. "Lode" said to be up to many ft. wide, with large bodies of wad & pyrolusite near surface. Country rocks are red earthy sandstones & breccias. Discov. 1770, worked till 1815 (+ some later prospecting).

B. Cooper (7/76) Specimens from trench in front of a cottage in village of Upton-Pyne sent

UPTON PYNE, Exeter, Devon (II)

to RSOB: Dense black microcrystalline material with brownish-black streak with a few small cavities with bladed striated x/s ?manganite & small smoky quartz x/s. Patches of tawony off-white crystalline material showing rhombs in vugs — IR = rhodochrosite. Also small white blades barytte in vughs, also micro x line-platy white kaolinite (IR)

1" 187 SX 7 S 128

VICTORIA (ARUNDEL) MINE, Ashburton, Devon

JC (1871) 69 (Cu, wkg.) Chalcopyrite.

1" 187 SX 7

NEW VICTORIA MINE, Ashburton, Devon. S 130

VC (1871) 69. (Cu) Chalcopyrite.

1" 187 Buckland Monachorum SX 473-4 698-9

VIRTUOUS LADY MINE and Tavistock. Devon (I) K 10

worked from before 1807 to 1875 ~~BEDFORD UNITED MINES (CAN)~~

AR Min. Mag. 17, 1 (1913) Chalcopyrite; pyrite; marcasite;
very good arsenopyrite ("mispickel") 3cm long !!
"Beautiful" opaque quartz "15 cm" !!;
Very good anatase; one spec. brookite, 1mm;
very good chalybite; scorodite; chlorite; ?sphene.



Rutley, 15th. Ed., p.154, Sphene.

BM: Childrenite, on quartz and pyrite; superb spec's.
↳ 3 specs - acc to AWOK more likely ex Geoech.

GR, 1955 Misc. dumps in wood near river. Anatase in earthy ochre-to red-coloured matrix. Pyrite; cubes & pyritohedra, in chlorite; massive arsenopyrite.

JC (1871) 68 (Cu, wkg) Anatase; ?brookite; chalcopyrite; chalybite; chlorite; fluorite; marcasite; arsenopyrite; pyrites; sphene.

TMH (1868), 58. As above.

Rudler (1905), 69. Virtuous Lady Mine, afterwards the BEDFORD UNITED MINES nr Buckland Monachorum yielded the well known "boxes" — Hollow ψ morphs after fluorite (or pyrite), on which xline siderite with quartz x'ls on inner walls, on which bisphenoids of tarnished chalcopyrite. Also other hollow epimorphs, eg "slippers" after ?baryte or selenite; may have pyrite sprinklings.

[?] [Wh. Bedford Shaft See Dines (1956) 700]

Rayners Cat. (1960). Anatase, siderite

VIRTUOUS LADY MINE, Buckland Monachorum, Devon (II)

Dines (1956) 700. Cu ore in a "flat" lode E 15°N δ massive quartz w. irreg. bunches & strings of chlorite & of chalcopyrite filling cavs. & cracks; also pyrite, arsenopyrite, some fluorite Large x/s siderite w. curved faces were notable. Killas adjacent to lode has numerous ramifying quartz veins w. x/s pyrite in siderite.

A sample of veinstone examined microsc. by Dr. Phemister has felted chlorite in quartz, leucoxenised plates ilmenite & scarce apatite

cassiterite & prob. epidote; & pyrite; "sericite" hydromuscovite or potash clay.

Lode outcrops 150 yd S of EW reach of Tavy; exploited ≈ 200 yd W of Tavy–Walkham junction. 3 sh's N of, 5 or 6 S of Tavy; several addits. Deepest sh. = WHEAL BEDFORD Sh., N of Tavy, 300 yd W of T–W confluence.

[N of Tavy is in TAVistock Hamlets pH]

Mrs P. Oxenford [current owner], PMMCJ (1973) 4 [2] 8. History. Minerals now in BM (ex A. Russell) include:- Chalcopyrite, pyrite, marcasite, arsenopyrite, fluorite, quartz (incl. "capped") anatase, brookite (microscopic x/s), chlorite, siderite, scorodite.

VIRTUOUS LADY MINE, Buck. Mon. (III)

B.V. Cooper, Pers Comm 9/77 says that R.W. Barstow has obtained a "Lady's Slipper" coated with micro-childrenite xls.

T Bridges, J. Russ Soc. 12 61-4, (2009)

cf Nentsberry Haggs mine, Cumb. re "Lady's Slippers".

VITIFER MINE, North Bovey, Devon S 108

See BIRCH TOR & VITIFER MINE;

1" 175 Cent. on SX 703 820
7081 - 7082

EAST VITIFER MINE, North Bovey, Devon

See also BIRCH TOR & VITIFER M's, etc.

Dines (1956) 724. 4 lodes on N & E slopes of Shapley Tor, in alignment with BIRCH TOR & VIT. lodes, one traced ~ 1 mi WSW from valley SE of Moor Gate. Most S lode on W slope of King Tor. Lodes worked opencast for cassiterite. Output 1874-1887 recorded. Lodestuff similar to B.T. & V material.

1" 175 SX 68 or 78 ?

NEW VITIFER CONSOLS Chagford, Devon. S. 102

See also BIRCH TOR & VITIFER M.

JC(1871) 69 (Cu, Wlg). Chalcopyrite; Tourmaline (schorl)

[Chagford SX 70 87]

1"175 ~ SX 677 826

WEST VITIFER MINE, Chagford, Devon

See also BIRCH TOR & VITIFER M., etc.

Dines (1956) 720-3. Part of BIRCH TOR & V complex. Surface indications only visible on W side of N. Walla Brook, 1 mi N by E of Warrenhouse Inn. 2 sh's on either side of a small tributary valley, ~ 300 yd E of Stone Row. [Presumably cassiterite]

1" 163 SS 571 388

VIVEHAM Barnstaple, N. Devon. N. 18

See also PLAISTOW M.

JC(1871), 70. Haematite; limonite; psilomelane; pyrolusite; pyrite.

TMH(1868) 57 Dev. Sandst. Haematite; limnite; psilomelane; pyrolusite

Dines(1956) 759 Small workings in valley ½ ml NE of Muddiford [ie near 570 390, near PLAISTOW MINE (?=); "Viveham" is at 576 394] Old quarries on NW side of valley are opencasts on lodes of soft iron oxide with some manganese. Umber, ochre

PFC, PMMCJ (1973, 1974) 571 388 Worked 1861 for Fe. Opencast on NE side, shaft on SW side, of valley PTO

Included in PLAISTOW M [qv]. VIVEHAM MINE

1" 175 Sampford Spiney. SX 542 743

VIXENTOR, Dartmoor, S. Devon S 147

See also MERRIVALE Qy:

Raynes Cat. (1960). Orthoclase, in granite.

GM: Autunite, coating joints in granite — VIXEN TOR QUARRY.

A Bramall MM 21 14 Visible gold in granite in small quarry near cottage immediately S of Vixen Tor (5 specimens)

1" 187 SX 490 708

WALKHAM AND POLDICE MINE, Buckland Monachorum, Devon

Dines (1956) 694-5 Lead Lode, N 5° E intersects copper Lode, E 20° S.

Adit 170 yd S of Jenopen Bridge on Lead Lode to Engine Sh. @ 22 fms, and Air Sh. at 85 fms.

Dumps nr Eng. Sh. of shale & elvan, with quartz, sphalerite, galena, pyrite Brecciated quartz cemented by limonite

visible in the track 340 yd S of Grenofen Bridge – prob. an outcrop of Lead Lode [490 706]

Output: lead ore, copper ore, one ton black tin. 1865, 1866, 1881.

1" 187 SX 494 705

WALKHAM UNITED MINE, Buckland Monachorum, Devon

OS 6in map: Sn mine

Dines (1956) 695 = OLD POLDICE = DEVON POLDICE

3 EW lodes: Main, Flat, North.

Main Lode: Opencast & shafts on steep SW bank of R. Walkham 650 yd SE of Grenofen Bridge. Strings of vein quartz with chalcopyrite & pyrite in tourmalinised killas or capel containing cassiterite.

Flat Lode intersects Main Lode

North Lode ≈ 30 yds N of Main Lode - quartz

vein w. tourm-killas walls.
2 trials S of Main Lode, most S being just W of S end of Grenofen railway viaduct. [i ≈ 495 703]

B. Cooper, spec → RSNB for ident., 5/76 "Childrenite", tiny pyramidal x'ls on dark brown iron-stained killas, coll 29/2/76 - Walkham Utd M., nr Grenofen Bridge
NOT so. = quartz!

WALKHAM VALLEY MINE, Whitchurch, Devon

See WEST SORTRIDGE CONSOLS

1" 187 SX 522 696-8

WALKHAMPTON CONSOLS MINE, Walkhampton, Devon

Dines (1956) 699 = Wh. ROSE. 2 lodes ca 30 fm apart ≈ E 20°S. X-cut adit on S bank of R. Walkham 1010 yd E of bridge at Horrabridge driven S 110 fm, meeting N. Lode at 60 fm, & S. Lode at 85 fm. Shafts, including Yeoman's Sh., 170 yd SSW of adit. Other adits 180 yd WSW & 350 yd W by S of x-cut adit portal.

Dumps (N. Lode) grey shale with strings

of pyrite, granular quartz veinstone with chlorite, and later comby quartz with small x/s chalcopyrite & siderite filling cavities. Last worked ≈ 1860.

1" 187 SX 426 677

WARD MINE, Bere Ferrers, Devon.

See also BEERALSTON MINES, etc; S. WARD MINE.

OS 6in map: Pb mine.

Dines (1956) 681 = SOUTH WARD MINE

Main Lode NS worked from Engine Sh. 650 yd WbyN of Helstone, & adit 50 yd to SW. Another lode worked by x-cuts.

Banded vein quartz, fluorite, sphalerite on dumps. Lead ore returned.

JC (1871) 68: SOUTH WARD MINE (Pb/Ag). Galena

1" 187 SX

S. WARD MINE, "Beerferris", S. Devon. S 84

See ~~WARD~~ WARD MINE

VC (1871) 68 (Pb Ag wkg.) galena

Dines (1956) 681 = WARD M.

1" 175 ~SX 670 810

WATERHILL MINE, Princetown, Devon

See also BIRCH TOR & VITIFER M., etc.

Dines (1956) 720-3; map, p. 722. Part of BIRCH TOR & V. complex. On lodes NW of main road. Surface workings, with cassiterite & spec. haematite.

1" 163 SS 5636 4773 shaft
5654 4764 adit

WATERMOUTH MINES, Berrynarbor, Devon

PFC, PMMCJ (1973) Two mines at Newbury and Napps quarry/ Golden Cove. Trial for silver-lead 1860-65. Shaft & adit bat above refs.

1" 175, 187 SX 43 73 ?

WATSON'S MINE, Tavistock Hamlets, Devon

Part of DEVON Gt. CONSOLS [q.v.]

Dines (1956) 660 . E-most mine of sett on S. lode.

An adit driven N from R. Tamar ≈ ½ml W' of Watson's Shaft said to have proved the lode, with Sn & wolfram.

1" 175 SX 45 80 6" 97NE (1889)

WEEK Mn MINE, Milton Abbot, Devon. K 57

See also WESTCOTT MINE

AR, MM (1946). Rhodonite ty (See Black Down Card) - K45 ①

cf RSWB 80-153 Coll BVCooper

RSWB 82-98,99 Coll RSWB. Big blocks rhodonite in outcrop, also jasper. Outcrop just NE of stream gully, near 457 806; coated w black MnO_2 (pyrolusite?)

AKHJ (1981) "Devon..." p 16-17.

1"176

WELLS HEAD GREAT PIT, Ashton, Devon.

See ASHTON MINE

1" 175, 187 SX 74 72

WELSTOR CROSS QUARRY, Buckland Beacon,
E. Dartmoor, Devon.

Brammall
MM 21 14 Visible gold, in granite, v. rare. Quartz veins with patches felspar & tourmaline

OS 1" map 175 (1946) - "Welstor Cross", marked on OS 1" 187 (1961) at 740 720, as "Ausewell Cross"

WEST BRIXHAM M., Devon

See BRIXHAM

WESTCOTT MINE, Chagford, Devon.

See GREAT WEEK MINE

1" 175 SX 464 807

WESTCOTT MINE, Milton Abbot, Devon

See also WEEK MINE

Dines (1956) 717 Adit to S from 380 yd S by E of Westcott Fm, c 60 yds E of lane, with GULLET'S Sh 50 fms DAVEY'S in 90 fm & EASTCOTT'S Sh 120 fm from portal. Irreg. stopes; surface workings.

Line of dumps for 400 yd SW from a point 600 yd SW of farm. A Russell records rhodonite from S end [ie ~ 458 805] ≠ cf WEEK MINE

No records of output

GS 6" MS map shows mine, lodes, sh's etc. (1906)

1" 163 SS 5142 (Village).

WEST DOWN, Ilfracombe, N. Devon. N. 9

See also FULLABROOK MINE

JC (1871) 70 Haematite; psilomelane.

TMH (1868) 58 Ditto

1" 163 SS ~~515 398~~ 5 4

WEST DOWN MINE, West Down, Devon.

PFC, PMMCJ (1973) [1] 4 Exact loc. unk.
Worked 1876 for iron.

BMS Newsl. (1997) 46/9. BMS Coll. Pyrolusite
(No. 1706, G. Riddell). "WESTDOWN M., Ilfracombe".
BMSN (1989) 26/5. SS 515398 = FULLABROOK M (qv)

1" 187 175? Around SX 488 705

WESTDOWN MINE, Whitchurch, Devon.
See also SORTRIDGE & BEDFORD MINE.

OS 6in map: Cu mine

Dines (1956) 694. On E side of West Down. Shaft on N bank of river 530 yd SSW of Grenofen Bridge, on EW lode. Shale dumps w. highly tourmalinised killas, some veined with quartz with sphalerite near margins. Another small trial on opp. bank of river 280 yd S of the shaft. A line

of pits extends 200 yd WSW [?WNW] from another adit portal ≈ 80 yd SW of the shaft, exposing a lode 30° N of quartz with some "sulphide ones" & traces cassiterite.

1" 164 ST 05-06 16-18

WESTLEIGH, Holcombe Rogus, Devon

See also WITHIPCOTT

Dines (1956) 763. Baryte, with calcite, filling small veins in Carb. Lim. In one of the roadstone q's it is blue & assoc. w. haematite, & in the most W-ley, at Rocknall [052 169] it lines [or lined] the walls of a large cavity in the l'st & was covered by later calcite (Downes, 1883 p 454). Not all the solution cavities so lined. Not exploited.

1" 175 SX 482 826

WEST OF ENGLAND MINE, Brentor, Devon

Dines (1956) 714-5 = LANGSTONE MINE.

ENGINE SH, 80 yd W of road, c 300 yd NE of Langstone Fm; STEVEN'S Sh., 50 yds to SE of Eng Sh. Several shs. on Adit level, driven at least 600 yd WSW from Eng. Sh., most W being GULLEY'S Sh, 400 yds WSW of Eng. Sh. Workings grassed over; chert stained with manganese oxide trickle on dumps. Output recorded 1874.

GS 6" MS map shows the mine, shafts, etc, and, further E, adit at SX 496 826, and shaft at SX 499 830

1" 164 ST 07 18

WHIPCOTT, Holcombe Rogus, Devon

See also WESTLEIGH

In quarry, baryte, some blue.

WHITCHURCH DOWN CONSOLS, Whitchurch, Devon

See SURPRISE MINE

1" 187, 175 SX 61₂ 710

WHITE WORKS, Princetown, S. Devon S 76

JC(1871) 67 (Sn) Cassiterite

1"187 SX 48 59

WHITLEIGH MINE, Plymouth, Devon.

Dines (1956) 686 In killas, 800 yd E of Whitleigh Hall. NS silver-lead lode. Signs of an old dump. An old shaft, 200 yd S of lane to E from Tamerton [? Southway Lane] may be on same lode [∴ ≈ 48 60]. No records; lead ore produced 1856?

Owen Baker PMMCJ (1973) 4 [2] 18. N-S clay course exposed in road widening last spring. Tiny v/s galena, cerussite, a little pyrite & chalcopy. = Wh. GENNYS in 1850's.

1"175 SX 463 817

WHITSTONE MINE, Brentor, Devon
See also BOWDEN COMMON M.

Dines (1956) 716. Adjacent to, but separate from Bowden Common mine. 5 shafts W of Higher Whitstone Fm. Small dumps have chert stained with black Mn oxide, & quartz strings. Ochre. Two pits in field W of the common worked for ochre in 1942 as WHITSTONE OCHRE WORKS, also had massive & stalactitic pyrolusite Produced Mn 1882-4; ochre 1899.

GS 6" MS map (1908) shows mine, shafts, etc.

WHITSTONE DOWN MINE, Beer Ferrers, Devon

WHITSOM (?)

See E. TAMAR MINE

1" 175, 187

WIDECOMBE, Devon. SX 7176 S 36 ~~NW 6~~

MM. 20, 201 (1924). gold bearing pegmatite. = BITTLEFORD DOWN. 9V

1" 187 SX 4625 701

WILLIAM and MARY MINE, Tavistock, Devon.
Part of DEVON & CORNWALL UNITED, with GEORGE & CHARLOTTE M [q.v.]

OS 6in map: Cu mine

BM: Childrenite – ~~DE~~VON & COURTNEY [q.v.] or WILLIAM & MARY (?)

B. Cooper, Priv. Comm (6/75) Childrenite ("not very good") found in situ underground, in what appears to be a "carbona"

Dines (1956) 676-7. E part of Devon & Cornwall Utd. On W bank of Tavy. Adit, shafts (Whim; Engine)

Lode seen in railway cutting as (barren) gozzany quartz. Dumps have quartz, chlorite, chalcopyrite, pyrite.

B V Cooper, Priv Comm 4/7/78. Childrenite in exposures in railway cuttings at.

(i) "Loc J" 4660 7003 with quartz stringers, "hydroxides of iron, chlorite, iron pyrite, ?sphalerite. Killas

(ii) "Loc K" 4693 6993 and 4695 6990 with "hydroxides of iron, quartz stringers. Killas

(iii) "Loc L" 4701 6965, [towards LITTLE DUKE M., q.v.] in killas, with quartz stringers, "hydroxides of iron", black oxides of Mn, chlorite, iron pyrite.

9/78 From "J" sent unk for identn — micro xls sulphur surr. by covellite.

1" 187 SX ? 53 81

WILLSWORTHY MINE, "Tavistock", S. Devon. S 72

JC(1871), 67. Chalcopyrite; erythrite; silver.
TMH(1868), 60. —Ditto—

→ Hey:- smaltite

Ed. Phillips (1823) Erythrite, on grey Co. Silver, with chalcopyrite & arsenical cobalt. "On borders of Devon"

↳ Hey:- smaltite, safflorite, or cobaltite

Dines (1956) 711 Probably 2½ mi NE by N of Mary Tavy [as "Willsworthy" is on maps] but J. Carne, Trans RGSC(i) 118-126 (1818) locates it on Devon/Cornwall border. NO

visible trace of workings near Willsworthy.

Carne:- A 1 ft NNW copper lode of a band of white amethystine quartz with 6-9" of copper ore on hanging wall. A 12 ft by 3-6" of "arsenical cobalt ore" with capillary silver at one place on footwall.

WIND TOR, Widecombe, Devon

See BITTLEFORD DOWN

SX 8 7

WOLBOROUGH MINE, Newton Abbot, Devon.

J. Brooke Plym MMCJ (1975) 6 [3] 7-8

1870-74. "Boron haematite"

[Newton Abbot SX 86 71]

1" 186 SX 37 85

WOOLADON (WOOLATON) M, Lifton, Devon.

See also LIFTON M. etc.

Dines (1956) 713 WOOLADON = WOOLATON M, believed to be S of Higher Wooladon Fm., 3/4 ml W of Lifton, but all traces gone. An EW section shows 3 sh's, 2 close together Mn mine; no records of output.

1"175 SX 772 848

WRAY MINE, Moretonhampstead, Devon

See also KELLY M. etc

Dines (1956) 725 Opened 1929 by adit, portal 250 yd NE of Wray Barton. Micaceous haematite lode but too granular for paints, so closed.

1" 176, 188 8178 SX 78 78 S 112

YARNER MINE, Bovey Tracey, Devon

JC (1871) 69 (Cu, "mundic" (= Pyrite)). Chalcopyrite; pyrite

1" 163 SS 54 24; 56_8 22_8

YARNSCOMBE, Devon

See also COURT BARTON

Dines (1956) 760 YARNSCOMBE MINE, 1½ mE WNW of village, probably lead mines active up to 1794. [ie ≈ 54 24]

Old crop workings for 300 yd N from South Down Wood, alongside stream past Toatlywood NNE to Glass Water bridge — no ores seen, but a fragment galena found in stream.

Thought to be other lead workings at Tunnel, ¾ mE SE by S of Y. [ie ≈ 56_8 22_8] but now no evidence

PFC, PMMCJ (1973)[1], 4. As Dines. (v supra)

SX 5 5

YEALMPTON MINE, Yealmpton, Devon

J. Brooke Plym MM CT (1975) 6 [3] 7-8
Iron mine, 1867(?) - 1872. "Brown haematite"

[Yealmpton, SX 57 51]

1"187

SX 543? 685?

YENNADON, Meavy, Devon

See also DEWERSTONE WOOD M.

Dines (1956) 704. Iron ore lode, E 20° S worked at surface for 200 yd E from Yennadon House & 250 yd further E on Yennadon Common. Soft buff killas, occas. tourmalinisation. Lode of quartz with limonite cement and spongy & botryoidal masses in cavities - probably originally siderite.

No records.

1"187 ≈ SX 512-4 660-3 ?

YEOLAND CONSOLS M., Buckland Mon., Devon

Dines (1956) 702-3 Includes SOUTH and EAST YEOLAND MINES.

3 lodes, ca EW:- North, Main, South or South Yeoland, worked for tin. 4 others proved to S.

Engine Sh. on Main Lode 500 yd E of Yeoland Fm. Deep Adit portal in Meavy vall., 900 yd NNW of Hoo Meavy Bridge. Shallow Adit. Other shafts.

N. Lode 180 yd N of Main. Small surface

workings

Edwards Sh. 430 yd SW of Engine Sh, on South Lode – SOUTH YEOLAND MINE.

Odger's Sh 115 yd SSW of Edwards, to adit, portal in valley 600 yd WSW of Yelverton Fm [? Yeoland Fm].

A copper lode present.

Lodes bunchy. Quartz, chlorite, tourmaline cassiterite

1"163 SS 5/6 4

YETLAND MINE, Combe Martin, Devon

PFC, PMMCJ (1973) [1] 6. Ag-lead, 1876-8; [redacted]
exact loc unk.

1" 175 SX 69

S. ZEAL CONSOLS, Okehampton, S. Devon. S. 49

JC(1871)66 (Cu) Chalcopyrite

[South Zeal, SX 65 93]

Dines = RAMSLEY = FURSDON M., includes Wh. EMILY.