

NORTHUMBERLAND

Coalfield

NJ Winch "Observ's on the Geol of Numb & Durh.", Trans. Geol Soc. (1817), IV, 2-101. Northumb. coal has pyrite, v. abund. x-limed dissems in coal & shale - sold for green vitriol manuf. Calcareous spar common - on coal or as stalagmites. Galena + pyrite in nodules of clay-ironstone embedded in the shale at 40 fms in MONTAGU MAIN colliery.

N'umb'll'd & Durham Trans Geol Soc. Vol IV

(1817) 2-101

2. Dinsdale, ^{Durh} on N bank of Tees 3 1/2 ml NE of Croft bridge. Gyps in nodules & beds in borehole in Red Marl **NZ- 34, 140**
3. Woodhead nr the Tees, another BHⁱⁿ 1/2 ml WSW from beneath a bed of gyps. (Red Marl)
-
- ^{NZ 3671} Whitby nr Cullercoats in sly cuttings from the q'y, towards N Shields. 1st, w small stumps ^{Numb} Galena. Also at Clackes-hough, Blackhall-rocks, Ryeloke & w. calcareous spar below Tyne-mouth Castle. ^{NZ 3762} ^{TYNE-MOUTH} ^{NZ 3669}
- Calcareous spar acute 3 sided pyramids ~~white to brown~~, from coves in bull marly str from cliffs near ^{Numb NZ} S. Shields & Mapsdon. ³⁸⁶⁶ ⁴¹⁶⁴
- N'umb Coal. has with it:-
 Gal + py in nodes of clay-ironst embedd in the shale. - Montagu Main @ 40 fms ^{NIG}
 Pyr. vabund shed down in coal & shale. - sold for green vitriol manuf.
 Azure iron ore not uncommon in the potter's clay @ Elswick & in other brick fields ^{NIG}
 Calcareous spar common - in coal or bitulays. ^{NIG} ^{NZ 2640}
-
- ^{NIG} Butterby ca 2 ml beyond Durham basaltic ~~vein~~ vein in bottle of the Wear wa a salt spring & a string of galena filling a crevice beside it.

Galena in a dyke at Willington Colliery
in main dyke @ Whitley. Bay N2 3572

Carbonate satin spar in thin stratum in intersected w veins of iron
black slate-clay which crops out at
Aldstone close to the brewery. 2

Wimbury Works. NY 815286

At Caldron ~~snout~~ on moors 10 mls
above Middleton, a basaltic ridge x's the
river $\Rightarrow$ cascades for 596 yards. Here,
immed under the basalt Rev J. Harriman
discov small white garnets? x'ised
in dodecs. imbedded in a thin stratum of
pale red hornstone or chest w particles
of calcareous spar. Vide Sowerby, tab. 120.

On E side of Holy Is. small quartz
galena in trials for coal NY 13423

In Grouse-gill burn on Aldstone ~~at~~ moor, small
quant cupy mixed w gal & Fe pyr. Not econ

Small (Galena) mine lately worked at NY 9679
and NY 9984 - Kirkcubbin
~~Thro~~ Throckington & at Welfington in the
same neighborhood 20 ml W of the sea
at Camboes. String of ore @ Ellwark

nrly opp Holy Is. E. Wick Numb. NU 115 370

Galena
14-sided x's in soft brown clay
- Killhope M.

Retr. culat. Allenheads & Alder moor
Steel grained - Teesdale Wear
(Cambois NZ 3183 (Blyth)) (Ndr spec.)

3
Antimoniated lead ore - Dufton mines

Lead ore w x s Sunder. (in flame) — 11—

Carbonate of Pb Massive, grey, adam lustre

— Flow-edge mine Aldstone moor

In 4-sided tabular Δ s, bevelled on the terminal planes, ad. lustre. Allenheads Alds moor. — also aggreg silky needles

bigger Δ 's - Teesdale m

Black acicular - Fair hill, Flow-edge.

Phos of Pb Botry, pale dirty green Grass hill.

Sickin green, 6-sided prisms in clusters in light yellow-brown matrix earth from

? Surside mine, Netherdale, Yorks

Cupry w galena - Cross gill, Al. m.

Azure Cu ore In v small nodules imbedded in

opaque white heavy spar; in small quartz

@ Wessinghope lead mine nr Stanhope, in the gill l'st.

Mal Small quartz in Dufton lead mine

Calamine ^{worked} in old Haggs cross vein nr Wentthorpe

Yellow-grey translucent conch fract or snow white spar.

Calc spar Pale sea-green fibrous - Arkendale mines.

Trag Flourescent - beautiful spec's, snowwhite, satin lustre - Dufton mines

Fluake of lime Earthy-Breckenslype M.

Selenite Albst moor
Wolfske Albstone

Arbendale. - Common. Rare further N

Welhope mines - irreg hex prisms
without pyramids, transparent, often
in centre of dirty white ~~crystals~~
radiating xthred balls.

Dufton M's close brown on galena

Bar Lenticular xls, cockscomb. Dukesfield?
NIG
NI Duntunham

& Albst moor

Lancelet shaped xls. Arbendale.

Transp. hex. tab. xls - Dufton - v. fine

4-sided transp prismatic xls, acuminate
by 2 planes set on the lateral planes

from a vein @ Dukesfield?

Asbestos Veins in a hard reddish
brown rock resemble basalt
in Melmerby Scar.

reddish w. dark red-brown xls selenite.

Gips modules in upper stratum of

slaty clay,

on W side of hill - ~~not~~ ^{see}

Birgham on map.

- Birgham or Spring-Hill N of the

Tweed. [in Coldstream]

Similar

rocks in blue shale in hillcock on
which Kelso is built

(Forburghsh?)

p93 ff Chevist.

Agates abound in the
e glen. ✓

Coquet, Aln, Bremish
Linshields, NT 8906

Coquet a little above Linn-bridge - a reddish
brown amygdaloid w geodes coated, as
usual, w. green earth.

Red ochre w rods haem in small vein
above Langley-ford (used for marking
sheep). **Langleyford NT 9522**

J Williams "Account of some remarkable
Disturbances in the Veins of the Mine called
Muel Peever, in Cornwall, p138-145

In p4 Redruth (1½ ml NE of Redr)

Tin vein, Copper vein ("Johns Gossan")

e another Cu vein. e 2 "slides" [faults]
Sn vein → 3-330' wide.

Johns of Cu vein. Near surface qtz, Fe ochre,
yellow Cu ore chlorite Fe pyr. to conard.
depth

J MacCulloch "Observ's on the Hill of
Kinnoull Hill No 1322

Kinnoull, in Perthshire pp 220-232



Has amygdaloid w. green earth,
calcareous spar, qtz, chalced.
m. w interesting

E Smith
"On the Stream Works of
Pentowan" pp 404-409 Sr.

A. Hikin "Notice concerning the
Shropshire Wethenhe" pp 438-442

From the Snailbach mine.

Cavs have petroleum, or xls of heavy-spar,
calcareous spar & qtz; galena w carbonate
& lead. Qtz rarely. In lower
part of mine where vein v thick
& sparry, w/ther in irreg masses
from 40 lbs - 3 cwt, imbedded in heavy
spar. Mines callt "yellow spar"

The Anglez with has > 2% carbonate
& strontites, from Klaproth's anal.
Shrops has 1.1% SrCO₃.

Extracts from Minute Book of the
geol Soc! -

p 444 1/Nov 1811

J. Cumberland's letter.

Trap rock @ Middlewood, Glos. To E of
road from Bristol, within 2 mls of
Frampton. Any g dalaoidal. Masses to 30'

high x 300 yds x $\frac{1}{2}$ mile.

1720"

Has chalcodanies, plain & striped &
numerous fungiform cylind masses of
iron spar $\rightarrow$ 2 ft!

to Mr. Sowerby
letter ex Dr Murray 1/11/1811

Sulphate of strontian found
in lst on the banks of the Nidd,
nr. Knaresborough.

Dr Traill 3/11/1815 pres → the Soc.
magnetic iron sand mixed w much
serise. which he disc > 2 yrs ago
& Seacombe Ferry Wirral, Ches.
Later traced for several miles
along coast.

Spec's pres → Geol Soc.

1/1/1817 GB Greenough. A Spec of
arsenical Co & native Ag from
Wilsworthy.

pb Frampton Glos. OS gaze

F. Colwell ST 6582 [A few ML NE of Brits]

F. Mansell SO 9202

F on Severn SO 7407

Alstonite

Northumb

Fallowfield Ms

Settlingstones M

Ankerite

Northumb

Allenheads

Swinhope M

Barneycraig Horre L

Waterhouse M

Blackett L

Greenleycleugh M

Hearty Cleugh M

Langley Barony M

St Peters M

Settlingstones M

Sillyburn V

Stonecroft M

Ankerite

N'umb

Wellhope M

Apatite

Northumb.

St Mary's Island (NOT indigenous!)

Aragonite

Northumb

Silvertongue M

Wellhope M

Baryte

Northumb

Carrstones Q
 Coke Shafts
 Farney Clough
 Gilderdale
 Greenleyclough M
 Haydon Fell V
 Hearty Clough M
 Kearsleywell Row M
 Langley Barony M
 Longclough M
 Marden Old Q, Cullercoats

Mohopehead M
 Morralee M
 Ninebanks L
 Ouston V
 Pennypie V
 Rising Sun Coll
 Scraithole M
 Setlingtonstones M
 Sillyburn V
 Silver tongue M
 Stonecroft M

Waterhouse M

Well hope M

Wellhopehead Sh's

Whinnetley M

Barrasford Q

Bamburgh

Barytoalate

Northumb

Fallowfield M's

Settlingstones M

Greyside M

Long cleugh M

Ninebanks L

Leirsleywell M

Mohopehead M

Hearty cleugh M

Hesleywell Hush

Wellhopehead M

Wellhope L

Wellhope Burn

Scrathole M

Ayle Burn M

W. H. H.

Bituminous minerals

Northumb.

Northumb (coal)

Newcastle-on-Tyne (Middletonite)

Settlingstones M (Copaline)

Bamburgh (Amber, jet)

Matfen Q

Mootlaw Q

Cadmium sulphide (amorph) Numb

See also Greenockite

Stonecroft M

Sellingstones M

Calcute

Allendale
Allenheads
Barneycraig Horse L(?)
Beldon M
Blackett L
Burntshieldhaugh V
Fallowfield M's
Gilderdale
Greenleyclough M
Hearty Clough M
Longclough M

Northumb

Mohopehead M
Morrall M
Ninebanks L
Sr. Peters M
Settlingstones M
Sipton M
Swinhope M
Quarryhouse M
Hartington
Oakenshaw Burn
Elsdon

Heathersy Hill
 Yearning Hall
 Ravens Crag
 Langlee
 Shilbottle
 Littlehoughton (?)
 West End M
 Barrasford Q
 Bamburgh
 Numb
 Marsden
 South Shields

Tynemouth
 Goyt Hill Q
 Matfen Q
 Mootlaw Q
 { Wellhope M
 { Wellhopehead M
 Devil's Water Valley

Celestine

Northumb

Burton

(Keirsleywell Row M - "Baryle has 3.6% SrSO_4 ")

Census site

Northumb

Allendale

Allenheads

Fallowfield M's

West End M

Chalcedonic silica

Northumb

See also hyalite

Reeding M.

Shildon M.

Allerhope Burn (Agate)

Cheviot (Agate, jasper)

Langlee Ford (Agate, jasper)

Howtel (Agate, jasper)

Wooler (Agate)

Coquetdale (Agate, jasper)

Berwick on Tweed (Carnelian)

Chalcopryte

Northumb

Coalcleugh M

Swinhope M

Bamburgh

Dolomite

Northumb

Swinhope M(?)

Epsomite

Northumb

Newcastle-on-Tyne

Fluente

Northumb

Allenheads

Barneycraig Horse L

Beldon M

Blackett L

Coalcleugh M

Reeding M

St Peters M

Shildon M

Sipton M

Steel Crag V

West End M

Galena "Lead ore" (I)

Northumb

Allenheads
 Ashington Coll
 Ayle Burn Venn
 Barney craig Horse L
 Beldon M
 Blackett L
 Blythe Coll
 Bothal Coll
 Burntshieldhaugh V
 Coalcleugh M
 Followfield M's

Greenleycleugh M
 Grottingham M
 Hearty Cleugh M
 Keirsteywell Row M
 Langley Barony M
 Lee
 Longcleugh M
 Mochopehead M
 Morralee M
 Newbiggin Coll
 Ouston V
 Pennypie V (?)
 Reeding M

Gallena

Number

St Peters M
 Scraithole M
 Settringstones M
 Skildon M
 Silvertonque M (Ng)
 Sipton M
 Siptonhead L
 Stonecroft M
 Swinhope M
 Waterhouse M
 Wellhopehead Sh's
 Whinnetley M
 Grindonhill M

Sharpley
 Quarryhouse M
 Kirkwhelpington
 Redpath M
 Simonside
 Hartington
 Oakenshaw Burn
 Holy Well
 Belling Burn
 High Green
 Elsdon
 Heatherly Hill

Galena, "Lead ore" (II)

Northumb

Learning Hall

Raven's Crag

Langlee

Shilbottle

Littlehoughton

Howick

Rock Hall

Beadnell

Staples Is.

Lowick

Holy Is.

Elwick

Dilston Park

Thornbrough M

West End M

Barrasford Q

N'umb

Cullercoats

Montagu Main Colly

Thockington

Tynemouth

Welfington

Kirkwhelpington

Whitley

Willington Coll'y

Whitley Castle

Garnet (unspecified)

Northumb.

Barnasford Q

Goethule

Northumb

Matfen Q

Greenockite

Northumb

See also Cadmium sulphide (amorph)

Coalcleugh M

Gypsum

Northumb

Rising Sun Coll

Settlingstones M

Langley Barony M

Crindledykes P.

Haematite

Northumb

Allenheads

Long Houghton

Langlee Ford

Harmotome

Northumb

Settlingstones M

Stonecroft M

Greyside M.

Wellhope M.

Hyalite

Northumb

Newcastle

Hydrozincite

Northumb.

Scraithole M.

Idocrase

Northumb

Barrasford Q

Limonite

Northumb

Burntshieldhaugh V

Gilderdale

Morralee M

Silvertonque M

Swinhope M

West End M

Malachite

Northumb

Gilderdale
Langlee
Bamburgh

Manganese min's, unspecified Numb.

Pit Wood ("Black Mn oxide ochre")

Marcasite

Northumb

Rising Sun Coll.
Littlehoughton
Matfen Q.

Millerite

Numb.

Walker coll'y

Mimetite

Northumb

Allendale [?=pyromorphite]

Nicolite

Northumb

Settlingstones M

Pectolite

Worthumb

Barnasford Q

Goyt Hill Q

Pyrite

Allenheads

Blackett L

Eglingtonham

Langley Barony M

Rising Sun Coll

St Peters M

Settlingstones M

Sipton M

Swinhope M

Raven's Craig

Northumb

N'umb

Montagu Main Coll'y

Crindledykes Q [Coll'y near]

Pyrolusite

Northumb

Pit Wood (?) ("Black Mn oxide ochre")

Pyromorphite

Northumb

Allendale

Gilderdale

Quartz

Northumb

Allenheads

Barneycraig Horse L

Beldon M

Blackett L

Burntshieldhaugh V

Coaldale M

Gilderdale

Keeding M

St Peters M

Shildon M

Silver tongue M

Sipton M

Steel Crag V

Stonecroft M

Swinhope M

Langlee

Shil bottle

West End M

Barrasford Q

Bleakhope

PTO

Wooler (amethyst)

Langlee Ford (amethyst, rock re)

Cheriot

Goyt Hill Q

Wellhope M.

Sal-ammoniac

Northumb

Newcastle.

Siderite

Northumb

Allenheads

Barneycraig Horse L

Beldon M

Blackett L

Burntshieldhaugh V

St Peters M

Swinhope M

Sideronatriite

Northumb

Rising Sun Coll

Smithsonite

Northumb

Allenheads
Coalcleugh M(?)
Stonecroft M

Sphalerite, "Zinc ore"

Northumb

Allenheads

Ayle Burn V.

Barneycraig House L.

Beldon M.

Blackett L.

Coalcleugh M.

Hearty Cough M.

Langley Barony M.

St Peters M.

Scraithole M.

Settlingstones M.

Shildon M.

Stonecroft M.

Swinhope M.

Wellhope M.

Wellhopehead Sh's

Hesleywell Hush

Plaske Hs Burn

Oakenshaw Burn

Langlee

Shilbothe

2n

Fallowfield M ("negligible")
Barrisford Q

Strontianite

Northumb

Settlingstones M
Scraithole M

Sulphur, native

Northumb.

Burntshieldhaugh V.
Sildon M.

Vivianite

Niumb

Elswick (?)

Talc

Northumb.

Littlehoughton [?]

Tourmaline

Northumb.

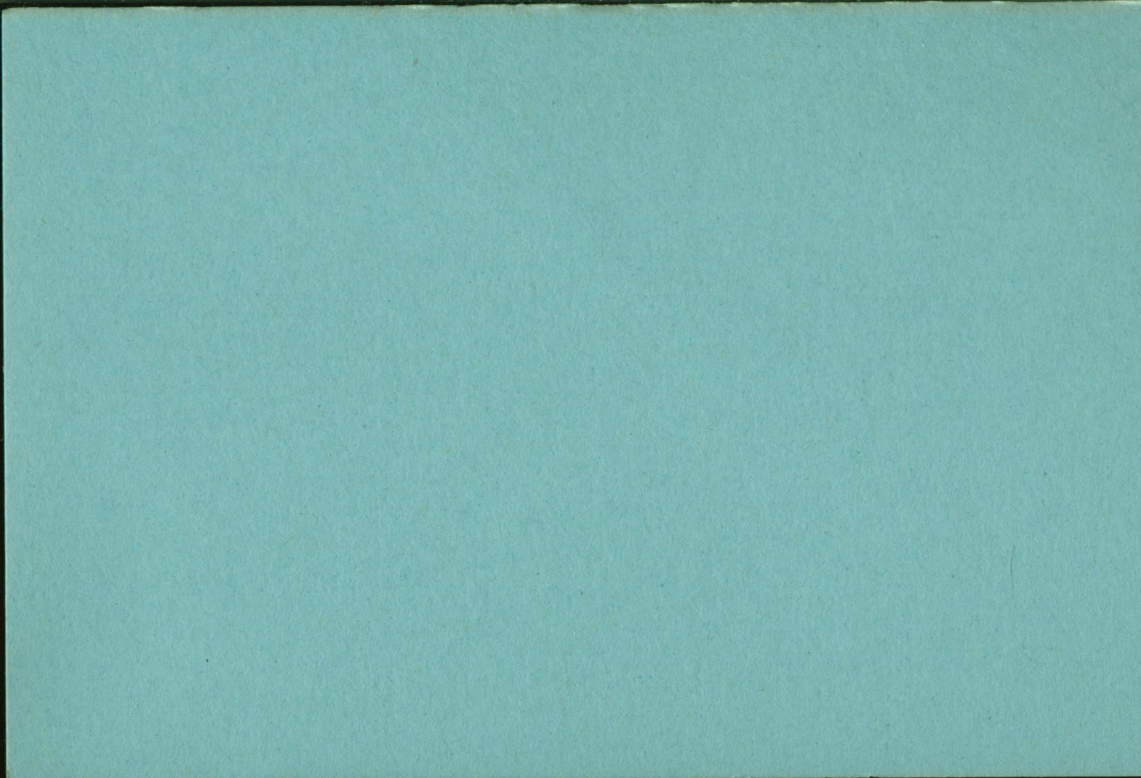
Bleakhope

Cheviot

Ullmanite

Northumb

Settlingstones M



Wavellite

Northumb

Newcastle

Witherite

Acomb Drift M
 Ayle Burn V
 Fallowfield M's
 Farney Cleugh
 Hearty Cleugh M
 Langley Barony M
 Longcleugh M
 Mohopehead M
 Settrington M
 Stonecroft M

Northumb

Waterhouse M
 Wellhope M & L
 Hesleywell Hush
 Scaithole M
 Greyside M
 Ninebanks L L
 Keirsleywell M
 Greenleycleugh S.V.
 Hesleywell Hush
 Wellhopehead M

with hands

Numb

ACOMB DRIFT MINE, Acomb, Northumb.

OS 6" map: Coal mine.

KCD (1948), 328 Smith, S (1923, p 25) says old Acomb
Coll'y works met a fault S of Acomb,
near Birkey Burn, carrying withersite.
Abandoned after explosion in 1872

1" 77

NY 84 55

ALLENDALE Northumb.

See also ALLENDALE & WEST ALLEN & individual mines

TMH (1868)⁶⁴ (PbAg) Calcite; cerussite; mimetite;
pyromorphite.

T Bridges & B. Young (1998) JRS. GL (1858)
refer to "mimetite": (more likely =
pyromorphite), also pyromorphite

1"84

NY 86 45

ALLENHEADS, Allendale, Northumb.

See individual mines also.

TMM (1868), 64: "Calamine" (Smithsonite); cerussite;
chalybite; fluorite; galena; haematite;
pyrite; rock xl.

KCD (1948) 206-210, PLAN & SECTIONS facing p 207:

ALLENHEADS MINE, the most productive single lead mine of the one field.

See Smith (1923) MGS Pb/Zn "Nunburnst Moor" xxv p 53.

Worked a complex of veins and flats (esp. at E end of the mine)
 Much ^{min} galena; purple fluorite; quartz;
siderite; ankerite; calcite. Only small

amounts sphalerite; occas. pyrite.

Little variation in mineral content.

Ron Brown, Gems, 1973 5 [1] 2-5. Green fluonite
xl group from Allenheads figured.
In old workings on W side of village
a beaut. form of fluonite "with three faces
purple & one orangey-yellow".

1" 71

NT 92 10

ALLERHOPE BURN

Northumb.

R.J. Whittaker, Priv Comm 1970

lavas, m

Agate in Cheviot

Peat Law

Cherish.

my Law.

10 mks.

Alkerhope Burn.

NT 92 10

Peat Law
Kilburn
Kidlandlee

X
Alwinton
Alwinton

NZ 2687

ASHINGTON COLL.,

Numb.

KCD (1948) 331. Galena, low in Ag.
(J.A. Smythe, 1923?)

AYDON, Corbridge, Northumb.

See THORNBROUGH M.

1"83

NY 727498

AYLE BURN VEIN & MINE, Kirkhaugh, Northumb.

Dunham (1948), 143. Most N vein of Alston Moor. Level from N bank of A. Burn 150 ft NE of bridge on Clargill-Ayle road, at ca 1090 ft OD, driven ca 1824. Runs N21°W 1,225 ft cutting A.B. Vein at 575 ft from portal. Vein had blende & wetherite in sandst. In overlying limestone post-min. caverns have removed much of mineralised ground. Though some galena. Base of caverns 30 ft above the level. At 1,100 ft from portal lev. cuts the Clay Vein - No record of contents.

SRMRGB XXV (1923) "Pb/Zn of Numb & Alst. Moor; Smith '87 Re. Sheet 83 (Pennth).
 Ayleburn Mine on E-W A. Vein & a N-S vein. Level from bridge intercept A.V. & another lev. N from near the stream along the other V. worked in 1890's

PTO

Witherite round water-wheel on S side of stream. Blend
in hard sandst. on dumps from old level. The level
join, by means of a rise, a series of caves in
the Gt. Limest (Sopwith, An Acc. of the Mining Dist. of Alston
Moor (1833), pp 64-67).

B. Young (1985) PYGS 45 199-206. AYLE BURN
MINE, at 728 498. Major witherite;
major barytocalcite.

BACKWORTH, Northumb.

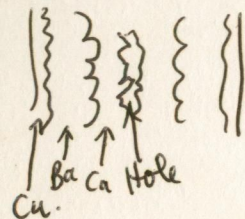
See RISING SUN COLL.

URGH 1" 71 NU 1834
BAM ~~Bamborough~~, Northumb.

Ron Brown, Gems, (1973) 5 [2] 2-4. Jet and
amber, as occasional erratics, around
"Bamborough"

F. Gallon (5/73). Cliff exposure at 156 356, near
Heather Cottages, Budle. Black rock (?Whin
Sill) has vertical cracks & veins, mostly
thin, lined with calcite (low rhombohedra)
but one vert vein, irregular, up to 6"
wide, of salmon pink corky baryte,

on ~~the~~ chalcopyrite altering to green
? malachite, with inner, later, good
low rhomboh. calcite xls lining
central vugh.



1" 84

NY 803 469

BARNEYCRAIG HORSE LEVEL, Allendale & W. Allen,
 See also COALCLEUGH MINES Northumb.

KCD (1948), 194. Pb, Zn Commenced ca 1760
 at 1321' OD on E bank of the West Allen, $\frac{1}{2}$ ml S
 of Carrshield. Straight for 3600' S 25° E, then
 branch to SW to low Coalcleugh vein, while
 main level continues S 41° E for '2900'
 giving access to Barneycraig vein workings
 - a rich belt of ^{flats} ~~flats~~ assoc with
 Whitewood & Barneycraig veins & their
 X-veins - MAP facing p 168. Flats now inaccessible
Quartz, fluorite, blende, carbonates
siderite, ankerite. p

T. Bridges et al (1903) J. Russ Soc 8 (1) 38-39

Quartz epimorphs after fluorite

1"77

NY 914 744

BARRASFORD QUARRY, Colwell, N'umb.

Proc Yorks G. Soc. (1967) 36 ~~350~~. Field meeting:.

Whin in l'stone. Rafts of l'st., some with well developed vesuvianite [idocrase] and garnet. In the dolomite, vesicles with calcite & bipyr. qtz ~~blue~~ blue or smoky.

Pectolite vesicles "not found on this occasion". Quartz-calcite veins, some with baryte, sphalerite, & galena

BEADNELLNorthumb.

S. Smith, SRMRGB XXV (1923) 13. "The geol of
Belford..." MGS (1900) p. 16:- a vein of
galena at Beadnell, on the foreshore
to the N of the Whin Dyke. Vein
runs nearly N-S.

1"84 NY 928 495

BELDON MINE, Blanchland, Northumberland

KCD (1948), 267. Pb 2 ml W of Baybridge.
2 shafts on a belt of strings. In sandstone,
purple fluorite, quartz. In limestones,
also siderite & calcite. galena,
sphalerite. S of Beldon Burn, an
adit to Shildon Vein - purple fluorite
abundant in opencuts.

BELDON CLEUGH, Hexham/Blanchland, N'umb

See DEVIL'S WATER VALLEY

1" 76

NY 6 9

BELLING BURN

Northumb.

Bellingburn Head NY 6991

S. Smith, SRMRGB xxv (1923) 15:- "The Geol. of
Plaskefts..." (1889), 25 Lead-ore in the
Belling Burn a little above the Railway
by Nicholas wood (See map in paper in
Trans. N. of Eng Inst Min. Mech Eng (1862) II 101-137)

1" 64

NT 99 53

BERWICK ON TWEED, Northumb.

Ron Brown, Gems (1973) 5 [2] 2-4. Very
fine carnelian on beaches around
Berwick on Tweed.

1"77 NY 837 560s

BLACKETT LEVEL, Allendale, Northumb.

See also SIPTON M; ST PETERS M;

OS 6" map ~~Postal~~ Northumb 99. Portal at 837 560s

KCD (1948), 198 ft Pb Great level
commenced 1855 to drain & explore
valley from Allendale Town ^(portal) to Allenheads
Stopped 1903 after 24,725 ft (4.68 ml), under
a point 400' NW of St Peter's Ch., Spartylea

Calcite, pyrite, travertine, galena in faults in
N section, further S cuts a number of
veins: WHINTON'S V. - siderite, quartz,
fluorite, pyrite, a little galena. ESD'S V.:-
with big flak, fluorite, mainly green;
quartz; galena; a little sphalerite; pyrite;

siderite. Adjacent to a strong slickenside
galena sheared into "steel ore", which has
a small % of Sb. (0.62% antimony sulphide).
Ore worked from SIPTON MINE, qv.

SMITH'S V, 875' S of Esp's V. Sphalerite, quartz.

A rise leads to small flats with
galena, fluorite, siderite, quartz.

SIPTON V. Fluorite, quartz, calcite, pyrite,
galena. Mostly worked from SIPTON SHAFT.

ST. PETER'S V. cut 3950' S of Sipton Sh. Most S
vein in adit - forehead only 300' further S. Flats.
Fluorite ~~etc~~, galena, sphalerite, pyrite, quartz,
ankerite, siderite, calcite. Fr green or purple.
Mostly worked from shaft. see St Peters
mine.

NY 930 699

BLACK PASTURE QUARRY, Wall, Northumb.

BLACKPOOL BRIDGE LEVEL, Northumb

See NINEBANKS LEVEL

1" 71

High B; NT 927 157
Low B; NT 934 133

BLEAKHOPE, Alnham, Northumb.

See also The CHEVIOT, etc.

Ron Brown, Gems (1973) 5 [2] 2-4, Around

BLEAKHOPE & the W. side of Cheviot,
tourmaline in small but beautiful
green xls, normally enclosed in
quartz, from granite crush zones
(see geol map, examine burn cuttings)

BLYTHE COLL.,

Numb.

KCD (1948) 331.

Galena (J.A. Smythe, 1923?)

? = BLYTH, NZ 3181

NZ

2386

BOTHAL COLL.

Numb.

KCD (1948) 331

Galena (JA Smythe 1923?)

1" 84
Allendale and

NY 779 458

BOUNDARY SHAFTS, West Allen, Northumb

See BROWNLEY HILL MINE

Part of the Brownley Hill Complex [95]

1" 77 NY 925 541

BURNTSHIELD HAUGH VEIN, Blanchland, Numb.
See also DEVIL'S WATER VALLEY

KCD (1948) 266 Hush e level opposite
Hackford Mill, nr. The Devil's Waters, $\frac{3}{4}$ ml
N of Burntshield Haugh Farm. A little
galena, with quartz, calcite, limonite,
traces siderite.

T Bridges & B. Young (1998) J.R.S. Sulphur,
tiny pale yellow xls on corroded galena.
at NY 925 541.

NI 922

BURTON, Northumb.

Greg & Lettson (1858), 69.

Celestite; pale blue, radiated.

1"77

NY 8485 665

CARRSTONES QUARRY, Haydon, Northumb.

See also HAYDON FELL V., SILLYBURN V.

KCD (1948) 326

Baryte skins on limestone

1" 71

Summit NT 909205

The CHEVIOT Earle & Kirknewton phls, Northumb.
See also COQUETDALE, HOWTELK, LANGLEEFORD, WOOLER, BLEAKHOPE
ALLERHOPE BURN.

Ron Brown, Gems (1973) 5 [2] 2-4. Excellent, colourful
jaspers from crush zones; excellent agates
from Tertiary lavas. Both easier to collect
from alluvia than in situ.

The head of COLLEGE BURN [Kirknewton PH,
1"70, NT 8720-8820] is a good loc for pale
amethyst xls in geodes & in the detritous
banks of the burn.

Tourmaline, small, a beaut. green, in

quartz, around BLEAKHOPE & the
west side of Cheviot, from the granite
crush zones. (See geol map, examine
burn cuttings).

NJ Winch Tr. Geol Soc (1817) IV. 2-101 Agates
abound in the COQUET, ALN, BREMISH
& GLEN.

CLACKS-HEUGH

N'umb

See CULLERCOATS

COALCLEUGH MINE, West Allen, Northumb.

See also COALCLEUGH PITS. ^{→ (Allendale & W. Allen)} ROUGH & READY SHAFT (Allendale & W. Allen)
BARNEYCRAIG HORSE LEVEL.

TMH (1868), 65. "Coalclough Mines, Northumb": Blende.

Rayners' Cat. (1960): "Coalcleugh Mine, Alston, Cumb." Fluorite.

RSWB & TG 18/3/62 Field Reps II p21-2, Photos p26. Excellent purple
fluorite, often in large cubes; some green fluorite; plenty
blende; tr. ? smithsonite; chalcopryite, greenockite, powdery
 with blende. II, 120 (18/8/62) galena; quartz
IV 120 (5/64).

KCD HF (1959) 136. Recently reworked for fluorite for a
 short period.

KCD(1948) (Pb, Zn) 194 Early workings from SW of
Coalcleugh hamlet on Low Coalcleugh vein.
Then Coalcleugh Level, at 1715' OD driven SSE,
found High Coalcleugh (= Barney Craig) V, 2500' from
portal. Then Barney Craig Horse Level [9v]
driven ca 1760 @ 1321' OD, which worked
rich complex of veins & flats. Plan: p 168

T. Bridges et al (1903) J. Russ. Soc. 8 (1) 38-39
Quartz epimorphs after fluorite

1" 84 NY 800 446

COALCLEUGH PITS, <sup>Allendale
and</sup> West Allen, Northumb.

See also COALCLEUGH MINE; ^(West Allen) ROUGH & READY SHAFT.

COALCLOUGH MINES

Northumb

See COALCLEUGH MINE, West Allen.

TMH (1868), 65:

Blende.

1" 71

(NT 9206 - NU 0601)

COQUETDALE,Northumberland

See also The CHEVIOT etc.,

Ron Brown, Gems (1973) 5 [2] 2+4. Excellent

colourful jaspers from ^{veins in} the crush zones
 of Cheviot found among river pebbles
 of R's TILL, BOWMONT, KALE, TWEED, & COQUET.
 A good example is R. Coquet between

ALWINTON [NT 9206] and ROTHBURY [NU 0601]

Local agates also in these rivers, from
 the Tertiary lavas around Cheviot itself.

N.J. Winch. Tr. Geol Soc. (1817) IV, 2-101. "Observ's
on the Geol of N'umb & Durh."

Agates abound in the COQUET,
ALN, BREMISH & GLEN. In situ on
banks of the COQUET a little above
LINN-BRIDGE [NOT in Osgazz. Note Linshiels
at NT 8906] - a reddish-brown
amygdaloid with geodes, coated
as usual with green-earth.

1184

NY 787 460

COKE SHAFTS, Allendale and West Allen, Northumb.

See SCRAITHOLE MINE, WELLHOPEHEAD SH'S.

KCD(1948)168 Map shows ~~that~~ that these shafts
must be on or near ~~the~~ SCRAITHOLE VEIN
p193: Wellhopehead & Coke Sh's sunk
on Scraithole V., found coarse baryte,
abundant on the dumps

1" 77

NY 781 671

CRINDLEDYKES QUARRY, nr. Bardon Mill, Northumb.

T. Bridges & B. Young (1998) J.R.S. Gypsum,
thick coralline crusts of minute xls being
depos on list from SO_4 -rich waters percol.
through pyritic colliery-spoil.

CULLERCOATS, Tynemouth, N'umb.
 See also MARDEN OLD Q'y

"Obs. on the geol. of

N.J. Winch, Tr. Geol Soc IV (1817) 2-101. N'umb. & Durh"

Limestone w. small strings galena in
 railway cutting, in the quarry, at
 Whitby [?Whitley [Bay]] nr. Cullercoats. [Durh.]
 Also at clacks-hough, Blackhall-rocks,
 Ryehope, & with calcareous spar
 below Tynemouth Castle [NZ 3769]

1"77

NY 91 50

DEVIL'S WATER VALLEY

~~BELDON CLEUGH~~ Hexham/Blanchland Numb

See also BURNTSHIELDHAUGH V.

T Bridges & B Young (1998) JRS. Calcite
var "travertine" in calcareous springs
in BELDON CLEUGH in Devils Water
Valley, NY 91 50

1" 77

NY 96 63

DILSTON PARK, Dilston, Northumb.

S. Smith, SRMRGB xxv (1923) 18:- A lead ore
vein tried at Hallstock Dene, in Dilston
Park [Hallstock Dene not on $2\frac{1}{2}$ " map. Dil. Pk. cent on 9663]
in 1734 (Greenwich Hospital Law Papers, No. 14;
see "A History of Northumb" 10 (1914) p 334).

1" 77

NY 966 636

DILSTON TILE WORKS, Dilston, Northumb.

NU 109 19

EGLINGHAM, Alnwick, Northumb.

TMH(1868), 65: Pyrite, in Carb lim

1" 77

NY

93

93

ELSDON, Northumb.

S. Smith, SRMRGB XXV (1923) 15:- "The geol of...
OHerburn..." MGS (1887) :- Strings of
calcsite with strips of galena, in
limestone in Mill Burn, SE from
Elsdon [ie ca NY 94 92]

ELSWICK

Northumb.

cf ELWICK [NU 11 36]

N.J. Winch, Trans. geol Soc. (1817) IV 2-101

Azure iron ore [?vivianite] not
uncommon in the potter's clay at
ELSWICK, and in other brick fields.

Elswick SD 4138

ELWICK, Northumb.
 cf ELSWICK

S. Smith SRMR6B XXV (1923) 13. According to
 Winch (1814) Trans Geol Soc Ser I Vol IV p 81, strings
 of lead ore on coast at Elswick

N.J. Winch "Observ's on the geol of N'umb. & Dur"
~~1814~~ Trans. Geol Soc. (1817) IV 2-101.

Strings of (lead) ore at ELLWICK, nearly
 opposite Holy Is.

FALLOWFIELD MINES, Fallowfield, Northumb(I)

OS 6" map: "Lead, witherite & coal mines" (!)

Dana, p.283: Alstonite ^(Baryocalcite) ~~(bromlite)~~ $(Ba, Ca) CO_3$, with witherite
 p.284: Witherite vg transp. 6" (!!!)

TMM (1868), 65. Mill gr & yored. (Pb^{ng}). Alstonite; calcite;
cerussite; witherite

KCD N-F (1959), 137
 the past.
 as trial.

A major witherite & lead producer in
Thorntree Shaft being reopened

KCD (1948) 326 On Fallowfield Vein. Witherite,

~~FALG~~

galena; barytocalcite; alstonite. Calcite
plentiful towards SW end

S. Smith, SRMRGB xxv (1923) 21-25 Ancient.

Earliest ref is 1611 ("State Papers Domestic, Jas I",
Vol LXIV Nos 45-46).

Vein trends NE-SW, with 3-4 South or Sun
Verns diverging at small angles. Worked
over nearly 2 ml from Pit Houses [? 92, 67₂] to
Codlaw Hill [947 686] & even further both
ways by shallow levels.

Chief vein mineral is witherite, also much baryte
& a little barytocalcite "or" alstonite. Pockets &
strings galena. blende negligible.

FALLOWFIELD M's, Fallowfield, N'umb (II).

B. Young (1985) PYGS 45 199-206. Major
witherite; barytocalcite ?rare; minor
alstonite

B. Young (1988)

FALLOWFIELD MINE, ACOMB [NY 931 673]

The veins at Fallowfield lie in the outer, relatively low temperature, zone of the orefield where the mineral assemblage is dominated by barium minerals. The commonest of these is baryte though the northern Pennine field is remarkable, and indeed unique in the world, for the abundance of barium carbonate minerals. Of these witherite is the commonest. This was an important gangue mineral in the Fallowfield Vein and the mine was last worked as a source of this mineral. Also present in the northern Pennines are the double carbonates of barium and calcium, alstonite and barytocalcite. Both were described last century as new minerals from specimens obtained from this area. Alstonite is by far the rarer dimorph and is recorded from only four localities in the field (Young, 1985). It appears to have been most abundant at Fallowfield where small specimens may still be collected.

1" 84

NY 791 491

FARNEY CLEUGH, West Allen, Northumb

KCD (1948) 189 A small E-W vein traced near the head of Farney Cleugh, $2\frac{1}{4}$ ml S of Ninebanks. A small quantity of witherrite with baryte is present on the dump.

B. Young (1985) PYGS 45 199-206. FARNEY CLEUGH
MINE, at 791 491, has major witherrite.

1" 84 NY 689 469

GILDERDALE, Kirkhaugh, Northumb.

KCD (1948) 143. Gilderdale Valley x'd by a NW fault
1 $\frac{1}{4}$ ml SW of the Alston-Brampton road.
Trials on the N'umb side have revealed
calcite; baryte; quartz; a little pyromorphite
1200' to SW another fault - short levels
driven NW reveal limonite with malachite
staining.

GOYT HILL QUARRY

Numb.

RSWB 77-112 From an old collection, via
D. Hardman. Pectolite, off-white radiating,
on calcite and quartz. [? thin sill??]

GREENLEY CLEUGH MINE, W. Allen, Northumb.

KCD (1948), 94.188. Pb.
shows 2.1% SrSO_4 .

Analysis of baryte.

Two small veins, trending ENE, traced near Greenley Cleugh, 1 ml S of Ninebanks, on the E bank of the West Allen. The N. vein 3' wide of limestone breccia cemented by ankinite & coarse calcite. S vein traced by short level unsuccessful. Shafts close to the river show fairly abundant coarse baryte.

B. Young (1985) PYGS 45 199-206. GREENLEYCUEUGH
SOUTH VEIN, at 787 508; minor witherite

1" 77 NY 856 688
865 687

GREYSIDE MINE, Newbrough, Northumb

See STONECROFT MINE also

B. Young (1985) PYGS 45 199-206. At 865 687;
Minor witherite; rare barytocalcite, a
few crystals recently, on dumps of
Maughan's Shaft, 8646 6868, assoc. w.
harmotome (Young & Bridges, 1984)

B. Young & T. F. Bridges (1984) ~~Harmon~~ Trans. Nat.
Hist. Soc. Northumbria, 52, 24-6. "Harmotome
from N'umb".

1" 77 NY 8345 6770

GRINDONHILL MINE, Haydon Bridge, Northumb

OS 6" Northumb 90 Shows "Grindonhill Mine"
at 8345 6770 with associated "Old lead
workings" at 837-8 678-9 and "Old shaft (Pb)"
at 834 675. Lies halfway between
Langley Barony and Settringstones mines [9v]

1" T1 NY 971 699

GROTTINGTON (=PONT HEAD) MINE, Cocklaw, N^lthumb.

KCD(1948), 328 $\frac{1}{3}$ ml W of Grottingham, on
extension of FALLOWFIELD V. Vein
splitting up here. Lead ore obtained.
Little sign of workings remain

1" 77

NZ 02 88

HARTINGTONNorthumb.

S. Smith, SRMRGB, xxv (1923), 15, 16: According to J. Henderson (ca. 1852), a vein of lead ore bearing ca N 67° E Magnetic was cut early 19th Cent, on Hartington Farm. One in "whin", matrix calcite. Tried by shafts.

1" 77

NY 84 x 670

HAYDON FELL VEIN, Haydon (Bridge) Northumb.

KCD (1948) 326 A level at head of Capons-
cleugh Burn driven E to reach the vein.
Pink baryte veinlets on dump.

HEARTY CLEUGH MINE, West Allen, ^{Northumb}~~Cumb~~.

See also HESLEYWELL HUSH

KCD (1948) 189 (Bq, Wth., Pb) Main level driven
early 19th Cent. at ca 1180' OD, 500' to SW
to reach main vein. Gangue on
dump mostly coarse calcite with
ankerite, and a small amount of witherite,
with secondary baryte. Lead mined.

Vein also worked on E side of Wellhope Burn
at HESLEYWELL HUSH where the dump from
a short level has witherite, with some
sphalerite. OS 1" 77. "Hesleywell" near 77 & 50₂

B. Young (1985) PYGS 45 199-206. HEARTYCLEUGH
MINE, at 771 491: Minor witherrite; major
barytocalcite.

1" 70 (SE ⁴⁰ pointer)

HEATHERY HILL

Northumb

S. Smith, SRMRGB xxv (1923) 15 "The Geol of...
Otterburn..." MGS (1887) 124. Strings of
calcite with some galena in fault
in ~~Ridless~~ Burn, on Heathery Hill

1" 77

NY 777 493

HESLEYWELL HUSH, West Allen, Northumb

KCD (1948) 189 Nearly Clough vein^[qv] worked on
E side of Wellhope Burn at HESLEYWELL
HUSH, where the dump from a short
level has witherite, with some sphalerite

OS 1" 77 "HESLEYWELL" near NY 778 502

B. Young (1985) PYGS 45 199-206. Witherite,
major; minor barytocalcite.

1" 77

NY 80 91

HIGH GREEN,Northumb.

S. Smith, SRMRGB xxv (1923) 15 :- "The Geol of ...
Otterburn..." MGS (1887):- Trials in small
lead-ore veins near High Green:- by
the side of the High Green Basalt Dyke in
the Tarret Burn, on the head of Smithy
Cleugh, and at Hollinhead.

1"77

NY 992624

HIGHLEVEL QUARRY, Corbridge, Northumb.

1" 64

~ NU 13 42

HOLY ISLAND, Northumb

S. Smith, SRMRGB XXV (1923) 13. According to
Winch, Trans. Geol. Soc., Ser. 1, Vol IV, p 81 (1814)
strings of lead ore on E side of
Holy Island.

N.J. Winch. "Observs. on the Geol of N'umb & Dur."
Tr. Geol Soc. (1817) IV 2-101. Small
quantities galena in trials for
coal, on E side of Holy Is.

1" 76

NY 6 9 ?

HOLY WELL

Northumb

S. Smith, SRMRGB XXV (1923) 15:- "The geol. of
Plaske Hs..." (1889), 25: Lead-ore near
Holy Well, $\frac{1}{4}$ ml ENE of Otterstone Lee
(Rev. J. Hodgson, "Memoir of the Rev. J. Hodgson" 146)

1" 77 NY 8 6

HOWDENSIDE MINE, Haydon Bridge, Northumb.

See also MORRALEE M.

KCD (1948) 320 Returns included with
Morralle and Waterhouse mines.

NY 919663

HOWFORD BRICK & TILE WORKS, Acomb, Northumb.

1" 71

NU 25 17

HOWICK

Northumb.

S. Smith, SRMRGB xxv (1923) 14. J. Tate, Proc
Berwick Nat. Club III, (1852), 100 - galena in big
fault exposed on Howick coast

1" 70

NT 897 340

HOWTELL, Kilham, Northumberland

See also The CHEVIOT etc.

Ron Brown, Gems (1973) 5 [2] 2-4. Terminal
glacial deposits in Wooller area are
5-6 ml NW of Wooller, & centred on Howtell.
gravel quarries, with agate, both
ex Cheviot & Scottish & the red & black
veined jasper from the Montrose district.

1" 77

NY 773 514?

KEIRSLEYWELL [ROW] MINE,NorthumbKCD (1948) 94, 187.

An old mine.

Baryte has 3.6% SrSO_4
Kiersleywell Level driven
from ca 1816. Extensive explorations but
not much lead yielded. Coarse baryte on
dumpsOSI Keirsleywell Row is at 772 516B-Young (1985) PYGS 45 199-206. Major
witherite; rare barytocalcite

KIRKWHELPINGTON, Northumb.
cf WELPHINGTON (?=)

S. Smith, SRMRGB, xxv (1923) 16-17. Trials
for lead ore, early 19th Cent, at the
side of the Wansbeck nr. Kirkw., where
strings of ore in limestone immed.
above the Whin Sill. G. Henderson

"An Account of the Strata of Northumb & Dur. as
proved by Borings & Sinkings" (1885) 3 321

LANGLEENorthumb.

S. Smith, SRMRGB XXV (1923) 14. "The Geol of
the Cheviot Hills", MGS (1888), 33:- In the
burn $\frac{1}{4}$ ml SSW of Langlee- vein of
galena & blende in calcite- & quartz-
breccias, with strings of compact
malachite $\frac{1}{10}$ - $\frac{1}{2}$ " thick.

LANGLEEFORD, Earle, Northumb.

See also The CHEVIOT, etc.

Lon Brown, Gems (1973) 5 [2] 2-4. In Harthorpe
valley, a number of interesting burns worth
exploring, near Langleeford, with agate,
jasper, pale amethyst, & from DIAMOND
BURN [Not on 1" 71] large clear quartz xls.

NJ Winch, Tr. Geol Soc. (1817) IV 2-101. Red
ochre, with nodules haematite in
small vein above LANGLEY-FORD,
used by local shepherds for marking sheep.

1" 77 NY 825 660
LANGLEY BARONY MINE Haydon Bdge, ^{Northumb} ~~Northumb~~

KCD (1948), 320. Pb. On N side of Honeycreek
Burn. Worked 1873-1893. Much baryte;
galena; sphalerite; witherite; pyrite;
ankerite.

OS 6" Northumb 90 Joicey Shaft, 8315 6660
Nattrass's Level, 829 66,
Leadbitter Pit, nr 826 660

B Young (1985) PYGS 45 199-206. 826 661: witherite,
minor.

T. Bridges & B. Young (1998) J Russ S. Gypsum
XLS → 15 mm in cavs in 2Y barite
on dumps of LEADBITTER Sh (NY 8260
6610)

1" 77 NY 94 59

LEE, Hexham, Northumb.

TMH (1868), 65. Yoredale rocks. Galena.

OS 1" map shows a "Lee" - (house) nr Hexham, at 942 593

LITTLEHOUGHTON, Northumb.

S. Smith, SRMRGB xxv (1923) 14: Wallis, "The
Nat. Hist. & Antiquities of Numb etc" (1769) I, 21
Small vein of lead ore in the middle
of the villa of Little Houghton, one in
coarse spar [? calcite], talc [?] and
ordinary marcasite.

1" 77

NY

77

51

773

523

LONGCLEUGH MINE, Ninebanks, Northumb
 NOT = LONGCLEUGH MINE, Northhead, Camb
 Alston

KCD (1948), 188, 186. Pb, witherite. Level
 @ 900' OD from 3500' WSW of Ninebanks Church
 from S bank of White Walls Burn. Cut
 Middle V at 200' then on vein for 1800' WSW
 to cut other veins. galena, in
witherite, contaminated with baryte &
calcite.

B. Young (1985) PYGS 45 199-206. Major witherite;
 minor barytocalcite.

NU 2414

LONG HOUGHTON, Alnwick, Northumb.

TMH (1868), 65: Carb. Lim. Haematite.

1" 77

NY 933 624

LOUGHBROW QUARRY, Hexham, Northumb.

1" 64.

NU 01 39

LOWICK, Northumb

S. Smith SRMRGB xxv (1923) 13.

Mem G-S (1900), p. 116 quotes
pieces, found N of the
of the road leading from
to Lowick.

"The Geol of Belford..."
galena - fine large
Coal Burn and W
Hetton Coal Houses

Cullercoats: NZ 3571

MARDEN OLD QUARRY, Cullercoats, N'umb.
See also CULLERCOATS

KCD (1948), 331. Now filled up. A
band of baryte ca 2' thick, dipping
N with the bedding, was noted
by Dr. Smythe.

NZ 41 64

MARSDEN,

Northumb

N.J. Winch, Tr. Geol. Soc. (1817) 2-101.

Calcareous spar, white to brownish
acute 3-sided pyramids from
cavities in buff marly limestone
from cliffs near SOUTH SHIELDS and
MARSDEN

1" 77, 78

MATFEN QUARRY, Matfen, Northumb.
See also MOOTLAW Q'y(=?)

Matfen NZ 03 71. (No quarry vis. on 1" OS map.)

14th October 1989 Matfen and Silvertop Quarries, Northumberland. Another fine if cold day attracted a large party for Matfen Quarry. Continuing our meets leader saga, Brian was unable to lead this meet but did provide the handout. I am grateful to Alan Pringle for helping out at Matfen and Norman Thompson at Silvertop.

The manager let us drive into the quarry and we then worked our way doing the quarter mile or so of the main face admiring the folding and fault features as we went. The quarry works the Great Limestone. Mineralisation is dominated by calcite and hard black bitumens but very nice crusts of goethite after marcasite, and weathered marcasite, were found. The overburden on the Great Limestone is highly fossiliferous and this attracted a great deal of attention.

1" 77 NY 985624

MILLSTONE QUARRY, Corbridge, Northumb.

1" 77, 78

NZ 010 768

MOOTLAW QUARRY, Matfen, Northumb

See also MATFEN QUARRY (?=).

RSN (1904) 24 16

Having rid ourselves of as much cinnabar dust as possible in order to make lunch a safe proposition the party headed eastwards into Northumberland, to Mootlaw Quarry at Matfen [NZ 010 768]. Mootlaw Quarry works the Great Limestone for roadstone. Over the past few years some fine small-scale folding of the limestone has been revealed and calcite-bitumen mineralisation is in places very abundant. As so often seems to be the case our visit coincided with comparatively poor exposures of these features. However, for those with a taste for such things the shales immediately overlying the limestone yielded a rich variety of beautifully preserved brachiopods, bivalves and rare goniatites.

N'umb

Brian Young

1"84277

NY 7705 4995

MOHOPEHEAD MINE, West Allen, Northumb.

KCD (1948) 189 (Pb) In Scabby Cleugh; worked
Sun Vein. Main level at 1086'OD runs
725' WNW (The 1st 225' through Boulder clay).
Then NW (with a sump to Keirsleywell Level (1040'))
at the junction, to Sun Vein 350' from
sump, e North Vein at 800'.

Lead ore; gangue included witherite
with sec'y baryte e some calcite.

B. Young (1985) PYGS 45 199-206. Major
witherite; major baryte calcite.

MONTAGU MAIN COLL'y

N'umb.

N.J. Winch, Tr. Geol Soc. (1817) IV 2-101

galena with pyrite ✓ in nodules of
clay-ironstone embedded in the
shale, at 40 fms.

1" 77 NY 803 637

MORRALEE MINE, Haydon Bridge, Northumb

See also HOWDENSIDE M

"Pb, Ca, Ba, Fe."

KCD (1948) 320,319 Returns included with
Howdenside & Waterhouse mines

Adit from Morralee wood, 1000' E of the Allen
- a X cut driven S from the N side of the wood.
Another adit 1100' ENE driven through
~~the~~ a dyke to the vein. Small dumps,
with calcite; baryte; limonite;
galena.

1"84

NY 7, 46

NENTS BERRY MINE, Allendale & West Allen,
See NENTS BERRY M, Alston, CUMB. Northumb.

Worked from Cumberland

NY 94 60 ?

NEWBIGGIN COLL.,

Numb.

KCD (1948) 331.

(Low in Ag)

galena (J. A. Smythe, 1923?)

NZ 24 64

NEWCASTLE-ON-TYNE, Northumb.

TMH (1868), 65. In coal-measures: Middletonite; coal; (!)
wavellite; sal-ammoniac.
In Whinstone Quarries. Hyalite

GEL (1858). wavellite on sandstone nr. Newcastle
sal-ammoniac epsomite

T Bridges & B Young (1998) JRS. Sal-ammoniac
(GEL, 1858), near burnt coal seams near
N-on-T.. Epsomite in coal mines near
N-on-T.

1" 77

NY 783 522

NINEBANKS LEVELNorthumb

= BLACKPOOL BRIDGE LEVEL

KCD (1948) 187-188.

Levels start @ 880' OD

S of Ninebanks parsonage. Runs E 350'
then SSE 750' to a fault & 200' to
another fault - both unproductive. 200'
further, a third fault cut & proved
by driving 550' ENE. May have
continued $\frac{1}{2}$ ml to Greenleyclough North
V. but unconfirmed. Only traces of

1" 77

NY 918 6795

NORTH TYNE COLLIERY, Acomb, Northumb.

vein stuff on dump- baryte, calcite. No
production recorded

B. Young (1985) PYGS 45 199-206 "BLACKPOOL
BRIDGE LEVEL", at NY 783 522. Minor
witherite; major barytocalcite.

1" 76 NY 6 9?

OAKENSHAW BURN

Northum

S. Smith, SRMRGB xxv (1923) 15: "The Geol. of Alasht
..." (1889) 25: Lead ore, in Oakenshaw Burn
ca 300 yds above the house; also
blende, as scattered xls up to $\frac{1}{4}$ " in
calcite strings in O. Burn.

1" 77

NY 774 53₂

OUSTON VEIN, Ouston, Northumb.

RCD(1948) 186. Level 750' NW of Ouston,

½ ml W of Ninebanks, to small ENE vein.

Shale dump, with a little baryte & galena

1" 77

NY 950 522

PENNYPIE VEIN, Blanchland? Northumb.

KCD (1948) 266 Small baryte vein tried
1500' N of Pennypie House, $1\frac{1}{2}$ ml NW
of Blanchland. Main shaft said
to have been sunk as a lead
prospect.

1" 84

NY 7905 467

PETER'S PIT, Allendale & West Allen, Northumb.

OS 6" Map shows "Old Level" at Peters Pit at above
map ref.

1"77

NY 992 6975

PIKEHILL QUARRY, Little Whittington, Northumb.

1" 76

NY 66 90 ?

PLASHETTS BURN

Northumb.

Plashefts Stn NY 6690

S. Smith, SRMRGB, XXV, (1923), 15: "The Geol.
of Plashefts..." MGS (1889). Blende in
small xs in a fault-breccia in
Plashefts Burn.

1" 77

NZ 0260

PIT WOOD, Riding Mill, Broomhaugh & Riding, N'umb

T Bridges & B. Young (1998) JRS. Smythe (1927;
Vasculum, 13, 20-27) descr. occurr. of black
Mn oxide ochre abund. depos. from a spring.
Prob. pyrolusite (?)

PONT HEAD MINE, Cocklaw, Northumb

See GROTTON MINE

1" 84

NY 789 479

PROUD'S QUARRY, Allendale & West Allen, Northumb.

1" 77

NY 96 79

QUARRYHOUSE MINE, Bavington, Northumb
See also THOCKRINGTON

S. Smith, SRMRGB, XXV (1923) 17. Lead
mine near Thockrington, described by
G.A. Lebour (1873) [No ref. G. Henderson?] & in a
letter by T. Stakoe to G. Henderson in 1852.
[See Kirkwhelpington card]. NNE-SSW vein, of
lead ore in calcite.

OS 1" 77. "Quarry House" at 962 799

RAVENS CRAG,Northumb.

S. Smith, SRMRGB XXV (1923) 14:- "The Geol
 of the Cheviot Hills", MGS (1888), 33:- In
 Raven's Crag, a craggy glen on the
 S Side of Allertop Burn, a little over
 $\frac{1}{2}$ ml above its foot, a ^{1-4"} vein of ~~galena~~
~~or blende~~ calcite breccia, spotted with
 small xls. galena and pyrite. Also
 a similar vein $\frac{1}{2}$ ml to the NNE.

1" 77

NZ 00 92

REDPATH MINE, Hollinghill, Northumb.

S. Smith, SRMRGB, xxv (1923) 16: On
Fallowlee's Burn, in Rothbury Forest,
S of Simonside. Ca N-S vein, exposed
worked on E side of Jock's Nowe a
triangular limestone outcrop ca 150 y
long. Galena. Some associated
strings nearby. (W. Topley "Guide to Rothb
(1885), 51; G. Henderson, ca 1852). Mine

1" 77

NZ 00 92

PATH MINE, Hollinghill, Northumb.

ith, SRMRGB, xxv (1923) 16: On
owles Burn, in Rothbury Forest,
Simonside. ca N-S vein, exposed
ked on E side of Jock's Nowe a
gular limestone outcrop ca 150 yds
Galena. Some associated
Nearby. (W. Topley "Guide to Rothbury"
51; G. Henderson, ca 1852). Mine is

1" 77

NZ 00 92

REDPATH MINE, Hollinghill, Northumb.

S. Smith, SRMRGB, xxv (1923) 16: On
Fallow Lees Burn, in Rothbury Forest,
S of Simonside. Ca N-S vein, exposed
& worked on E side of Jock's Nowe a
triangular limestone outcrop ca 150 yds
long. Galena. Some associated
strings nearby. (W. Topley "Guide to Rothbury"
(1885), 51; G. Henderson, ca 1852). Mine is

old, being mentioned by J. Wallis, in
(1769) "The Nat. Hist. & Antiquities of Numb, etc" 121

1" 77? NY 944 503

REEDING MINE Blanchland, Northumb.

KCD (1948), 267. Pb Levels & shafts on
Standalone & Fellgrove Vs (ca 200' apart).
In Reeding Burn! Quartz; chalcedony;
purple fluorite

Backworth: NZ 2972

RISING SUN COLLIERY, Backworth, Northumb

Randall & Jones Min Soc notice 143 (1966)

Sideronatrite, with baryte, gypsum,
botryoidal marcasite, & pyrite, in
cavities.

ROCK HALLNorthumb.

S. Smith, SRMRGB XXV (1923) 13-14. Rev. R.W.

Bosanguet, Proc. Berwicks Naturalists' Club VI, (1869),
p69 quotes a report by W. Westgarth (1767) on
a vein of lead ore, v. poor in Ag, in
a small colliery between Rock Hall
and Rock Moor House

11" 84

Allendale
and

NY 796 446

Northumb.

ROUGH AND READY SHAFT, West Allen, ~~Durham~~.

See also COALCLEUGH PITS, MINE (West Allen)

RYEHOPE

N' umb.

See CULLERCOATS.

1" 78

NZ 353 755

ST. MARY'S or BAIT ISLAND, Whitley Bay, N'umb.

Ron Brown, Gems (1973) _{mm} 5 [2] 2-4. On beach,
deep green apatite - from old shipwreck
of a Canadian cargo!

1" 84

NY 8515 487

ST. PETERS MINE, Allendale; Northumb.

See also BLACKETT L.

KCD (1948). 70, 203. Pb. V. Discov'd in BLACKETT LEV3950' S of Sipton Sh. - The S'most vein
discov'd by the level, whose forehead
lies only 300' further S.

Map. p. 204. A shaft sunk beside road

1000' SSE of Spartylea. Veins oneshoots,

and extensive flats. Coarse galena;small amounts sphalerite & pyrite; gangueof green and purple fluorite; quartz;ankerite; siderite; calcite.

1"84 Carr Shield 803 477 NY 79 46
803 469

SCRAITHOLE MINE, west Allen Northumb
See also WELLHOPEHEAD SHAFTS; GUDHAMGILL M. (Cumb).

KCD (1948), 193. Ba, Pb. Vein a NE
continuation of Brownley hill - Wellhopehead
Vein. At Carr Shield. A little
galena, Baryte, sphalerite
194 A X-cut from Scraithole Low Level
worked Gudhamgill Vein, also worked
from Bloomsberry Horse Level - which
discovered extensive flats with galena
e sphalerite

OS 2½" NY 74 "Scaith Hole", at 797 468, with
"Level" nearby, at 799, 468.

B Cooper 12/73 Reopening for baryte. Applying
for Mine Manager post! Eric Richardson
involved

B. Cooper, Priv Comm. 3/74. Nice sphalerite
xls main mineral for collectors.
Calcite, small scalenohedra on drusy
quartz. Witherite. (xls v. occas., also silky - R50B)

A. Read, Priv Comm 10/74. Strontianite ("gives flame
test") white encrustation on witherite.

B. Young (1985) PYGS 45 199-206. Minor witherite;
major baryfocalcite.

T. Bridges & B. Young (1978) JRS. Hydrozincite, good crusts

^{1"} ⁷⁷ ^{NY} ^{843 683 -850 687}
SETTLINGSTONES MINE Hexham, Northumb. (I)
See also ~~STONECROFT M; GREYSIDE M.~~ ^{Newbrough?}

SRMRGB "Bar." (1916), p. 7. 3 miles W of Fourstones Str; 6 1/2 miles NW of Hexham: witherite; galena; baryte.

TMH (1868), 65. In Trap, etc. (Pb) Calcite; copalinite; galena

Rayners Cat (1960) Baryte

KCD Priv Comm (11/61) Strontianite

Greg & Lettsom (1858) Copalinite-like resin on calcite.

Dunham N. Penn I (1948), 322 ff Galena, baryte, ankerite, witherite;
~~Resin~~

barytocalcite; strontianite; harmotome.

Ron Brown, Gems 1973 5 [1], 2-5. Pyrite in "cuttable quality"

KCD N-F (1959), 136. Working for witherite. Some baryte.
R.S. Collins MRCC, MD 2 (1972) "Bamins" [NA 73-2516] Closed 1969 on exhaustion of rich ore-shoot of almost pure witherite

RSW et al. II, 115-b (17/8/62) Working. Good baryte xls;
witherite; galena; sphalerite; calcite; pyrite;
dump growth gypsum.

p96- Alstonite

KCD (1948) 322 Sections, p 323. On Settlingstones
Vein with a crosscourse. NE of X-course,
galena in baryte & ankerite; SW of X-course
a 400' barren interval, then witherite with
v. little sulphides, & a little baryte;
barytocalcite strontianite & harmotome.
In vein, near 70 fm level occur niccolite & ullmanite (A.R., 1927)

SETTLINGSTONES M., Hexam, Northumb (II)

B. Young (1985) PYGS 45 199-206. Major
witherite; rare baryto calcite; alstonite
reported - not confirmed.

T Bridges & B Young (1998). Amorph CdS, bright
yellow coatings. Baryte (witherite-indic habit)

1" 77

NY 87 72

SHARPLEY, Simonburn, Northumb.

S. Smith, SRMRGB, XXV (1923) 17: Famit
indications of mining near Sharpley.
Wallis "The Nat. Hist & Antiq's of Northumb, etc"
(1769) 1, 121, 122 mentions mine near
Sharpley - good Fluore but not enough; also
a boring for lead ore at Overton nr.
Simonburn. [Overton not on OS 1" 77]

1" 71

NU 19 08

SHIL BOTTLE,

Northumb.

S. Smith, SRMRGB XXV (1923) 14: The Rev. W.

Nall found associated galena and
sphalerite, with quartz, calcite, in
coal from the Shilbottle Seam in
Shilbottle Colliery.

SHILDON MINE, Blanchland, Northumb.

KCD (1948), 4, 90, 267. Pb

Very old -

mentioned in a grant of 1475 - "Shyldeyn".
Contains good examples of chalcedony.

On Shildon Burn, extending up the valley NW of Blanchland. Adit starts

1700' NNW of Blanchland church on the left bank of the stream. On dumps, much

chalcedony, also purple fluorite and a little quartz; sphalerite & galena.

T. Bridges & B. Young (1998) JRS Nat sulphur,
thin powdery crusts. (NY 962 508)

1" 84

NY 845 4985

SIPTON MINE, Allendale, Northumb.

See also SIPTONHEAD LEVEL; BLACKETT L.

KCD (1948), 84, 108, 201. Pl. V. cut in BLACKETT L. 130' N of Sipton Sh. Here in two parts, N, chiefly l. gouge; & S, of sandy fluonite, with sandstone & shale gouge. X-cut from shaft reached other V's, with galena; fluonite; quartz; calcite; pyrite.

At Esp's V, the thick "Black Bed" shale has small, perfect cubic metacrysts of galena.

1" 77

NY 849 660

SILLYBURN VEIN, Haydon, Northumb.

KCD (1948), 326. Ca $\frac{1}{4}$ ml S of Carrstone Q [qv],
two levels from the field NW of Blunder
Heath. Baryte & ankerite on the dump
of the upper level. Small flat
reported (Smith, 1923, p 34)

1" 84

NZ 055 495

SILVERTONGUE MINE,Northumb.

KCD (1948), 274 Pb. Adit from W bank
of the Derwent, in the incised meander,
1600' SSE of Crooked Oak farm. Other workings
S of the meander [i.e. in Durham Co.] Quartz
aragonite; baryte; galena; limonite.
Ag-ratio 30 oz. ton Pb⁻¹

1" 71

NZ

0

9 ?

SIMONSIDENorthumb.

S. Smith, SRMRGB, xxv (1923) 15-16: Lead

ore on N slope of Simonside (SW of Rothbury [NU 0601]), above Whitton Dene.

Worked by a drift into hillside - large dumps. One v. poor in Ag. Galena

pieces to be found in several shallow holes in the hill (Topley. v. infra)

See W. Topley "Guide to Rothbury" (1885) 51. - "Never yielded much ore"

1"77, 84 NY 84, 50

SIPTONHEAD LEVEL, Allendale, Northumb.

See also

SIPTON MINE

KCD (1948) 203. Pb. Driven from W end of
Sipton Clough E of Sipton M. Much
water. A little galena.

1" 77

NY 978 623

SNOKOE QUARRY, Dilston, Northumb.

SOUTH SHIELDSNorthumb.N.J. Winch, Tr. geol. Soc. (1817) 2-101.

Calcareous spar, white to brownish
acute 3-sided pyramids from
cavities in buff marly limestone
from cliffs near SOUTH SHIELDS
e MARSDEN

1" 77

NY 984 694

STAGSHAW BANK COLLIERY, Portgate, Northumb.

STAPLES Is., Farne Is., Northumb

S. Smith, SRMRGB XXV (1923) 13. "The Geol of Belford
..." M.G.S. (1900) p. 16: Small vein of galena
at S end of Staples Is., in the Whin
Sill.

1" 77 NY 91-2 51

STEEL CRAGS VEIN Blanchland? Northumb

KCD (1948) 265-6 1500' ESE of Harwood Shield

NY
9151 ↙ Farm the Devil's Water changes course
from ESE to NE for ca 1 ml following
an anticline, a small fault on
the axis of which carries fluorite
and quartz.
About 1 ml ENE in Black Burn, above

its confluence with Devil's Water, a line
of shafts on a NE vein, with a
little fluorite.

1" 77

NY 854 692
854 688

STONECROFT MINE, Kewbrough, Northumb.
See also GREYSIDE M; SETTLINGSTONES M;

KCD (1948), 55, 88, 91. Pb. Stonecraft-
Greyside mines, on N side of Settlingstones
Burn Stonecraft Sh's, 1400' ENE of
Settlingstones Mill. Greyside Sh. ^{on main vein} is 1730' ENE
of Stonecraft Sh's; Greyside Air Sh. on Sun Vein, is
2225' E of Stonecraft Sh's.

Baryte, intim. mixed with ^{pale brown} sphalerite (not
separable by gravity methods); ankerite,
witherite; quartz; oxidised lead and zinc
minerals; good specimens of hematite on
dumps accord to Sir A. Russell.

OS 6" Northumb 90, 81. "Stonecroft M" at 855 689;
"Greypide mine" at 860 689; "Old Pb workings"
at 863_s 686_s; "Old Level (Pb)" at 871₀ 680_s

B. Young (1985) PYGS 45 199-206. AT 854 688
Minor witherrite

B. Young (1987) PYGS 46 275-8 AT 855 689. Traces
Yellow amorphous CdS on sphalerite
containing up to 3973 ppm Cd

T Bridges & B. Young (1998) JRS amorph CdS;
smithsonite ("dry-bone")

1"77 NY 834 605 - 868 608

STUBLICK MOOR, Hexham, Northumb.

OS 2½" map shows a long line of old shafts & workings from NY 834605 to 868608 with a mine at 834605. These are probably on the Stublick faults referred to in KCD (1948) "N. Pennines" Vol I pp 56, 62, 63.

OS 6" Northumb. 99. Coal workings

1"84

NY

826 467

SWINHOPE MINE, Allendale Common, Northumb.

See also SWINHOPEHEAD MINE, Allendale, Numb.

KCD N-F (1959), 136
minerals.

Working.
galena;

No fluore or barium
blende!

RSWB et al. II, 120 (18/8/62), III, 54 (24/3/63), IV, 119-120 (24/5/64)

Working, Gate notice says "Owned by the owners of Settlingstones
recently Mines Ltd". Abundant excellent sphalerite x/s

galena x/s, ankerite, quartz, some calcite;

chalcopysite x/s in parallel growths on sphalerite.

? dolomite, (? alstonite NO-calcite)

By 24/3/63 looked abandoned.

KCD (1948) 205 Disused Pb/Zn mine, worked
Williams (= Swinhope) Kern. Main entrance is
Horse Level at 1262' OD from S bank of
Swinhope Burn, reaching Kern at 425' which
it follows SW (MAP, p 168). Small ^{min}flats
on both sides of the vein. In vein & flats,
abundant sphalerite, galena, pyrite,
quartz, siderite, limonite. Fluorite
rare or absent.

1"84

NY 833 473

SWINHOPEHEAD MINE, Allendale, Northumb.

^{min}NOT = Swinhopehead mine, Stanhope, Durham [qv]

See SWINHOPE MINE

KCD (1948) 242. ^{Pb.} ~~mineralised~~ fault ^{Lead ore} $\frac{3}{4}$ ml SW of ^{from} Swinhope bridge

OS 6" map has "Swinhopehead Mine" at above loc.

KCD (1948) 205 Whimsey shaft at Swinhopehead worked Swinhope mine before Horse Level driven.

M. Wolfe et al (2008) UKJMM 29, p 14. Photo
good yellow cubes (2 cm) fluorite

NY 96 79
Numb.

THOCKRINGTON

See also QUARRYHOUSE M,

N.J. Winch, "Obs's on the Geol. of Numb & Durh"
Trans. Geol Soc (1817) IV, 2-101.

Small mine lately worked [for galena]
at Thockrington 20me W of the sea
at Camboes [Cambois NZ 3183], & nearby
at WELPHINGTON [qv]

1" 77

NZ 01 65

THORNBROUGH MINE, Corbridge, Northumb.

S. Smith, SRMRGB xxv (1923) 19-21 Near

Thornbrough Kiln House [NZ 014 653].

NE-SW fault lode (occupied by a basic intrusion at Thornbrough [NZ 009 644] and near High Town farm [NY 979 629]. Worked from shafts and levels. A level driven ca $\frac{1}{4}$ ml NE from Th. Kiln. Ho. & a lower (? longer) one from the side of the stream. Only a small amount of lead ore has

been raised e.g. in 1801 (Mackenzie, "View of
the Co. of Numb." 2nd Ed. (1825), 2 346) and many
years before that. Worked again 1872-1885.

A trial for lead also at the top
of Aydon Dene ca 1 mi NNW of Thornbrough
[ie near NZ 00 66] - old shaft 50-100 yds from
the end of the lane which leaves the road
N of Aydon village. (see Mackenzie (1825) re
trial for Pb in 1742.)

N Z 36 69

TYNEMOUTH, Northumb.

See also CULLERCOATS.

N.J. Winch, Tr. geol Soc (1817) IV, 2-101. Galena,
small strings with calcareous
spar in limestone, below
Tynemouth Castle [N Z 37 69]

1"78

NZ 295 640

WALKER COLLIERY, Wallsend, Northumb'ld.

Dearman, WR & Jones JM (1967) Trans. Nat.
Hist. Soc. Northumb. 16 193-6

Millerite

1" 77

NY 812 647

WATERHOUSE MINE, Haydon Bridge, Northumb
of "WATERHOUSES COAL MINE, Dur." See also
WHINNETLEY M.; MORRALEE M., HOWDENSIDE M.

KCD (1948) 320 Pb, Ba. Level on S side of,
The road runs N to reach vein 150'
from portal. Workings extend 950' NE. On
dump: pink massive baryte; subordinate
withenite, ankerite, & galena. Closed 1881
Returns included with Morralee &
Howdenside mines

B Young (1965) PYGS 45 199-206. Withenite, minor.

1" 84

NY 7 4

WELLHOPE BURN West Ailen, N'umb.

See also WELLHOPE M. & L.

B. Young (1985) PYGS 45 199-206. Blocks of relatively pure barytocalcite to 10 cm across f. common in bed of W. Burn espec. near its junct. w. Deadman's Cleugh, NY 7780 4835; provenance puzzling. None upstream. Poss ex W. level, glac. erratics?

1" 84 NY 779 481
783 466
SHAFT & LEVEL

WELLHOPE MINE, West Allen, ~~Cumb.~~ Northumb.

(I)

W. LEVEL: 7796 4793

= WELLHOPE HEAD MINE

See also WELLHOPE HEAD SHAFTS; NENTS BERRY M (Cumb),
NENTS BERRY HAGGS HORSE L. (Cumb); HAGGS M (Cumb).
WELLHOPE BURN.

KCD (1948) 193 WELLHOPE TOP LEVEL @ 1607' OD at
head of valley, $3\frac{3}{4}$ ml S of Ninebanks
Church [ie NY 783 466], goes 1875' SE
to Scraithole Vein. On dumps: baryte,
witherite (partly altered to baryte), & a
little sphalerite. MAP p. 168.

WELLHOPE MIDDLE L. (1515-1520' OD) prob. a
rise from LOW Level. Some flab
min

p192 WELLHOPE SHAFT sunk in 1925 to Nents. Haggs. Horse L.

✓ ? col 778 480

~~WELLHOPE~~
~~LOW LEVEL~~ pp 190-3: WELLHOPE LOW L. on E
bank of Wellhope Burn 3ml S of Ninebanks
Church, runs at least 4500' SSE beneath
the burn & cut 1st & 2nd Sum V's & Treloar
V in the last cent, which carried mostly
withersite & sphalerite. Prob. abandoned
before reaching the rich Pb oneshoots to the
SE. May have been driven up to
the Scratchhole V for the vein section
shows a drift at the right level (which
may however have been worked by a sump
from Middle level) This drift led via a
series of sumps to a belt of small flats
~~the~~ To the WSW not worked from here, but
a zinc-stope reached from Brownley Hill Horse L.

WELLHOPE M. & LEVEL, W. Aiken Numb. (II)

B. Young (1985) PYGS 45 199-206. WELLHOPE HEAD MINE, at 784 466 has major witherite, rare barytocalcite. WELLHOPE LEVEL, at 7796 4793 has major witherite; ~~then~~ barytocalcite (?) possible - see W. BURN.

Wellhope Shaft and Wellhopehead Mine,
Nenthead, Cumbria - 15 October 1994

NB, Leader, Trevor Bridges RSN(195)26

These mines are situated about 1700ft high in the Nenthead area and are a long walk from the road. I was praying for good weather, but got a rather cold, misty and windy day with a bit of mizzle. It could have been a lot worse.

Brian and I had made a very brief visit to these mines some years ago and I found a few tiny crystals of harmotome - a rare mineral round here. I have wanted to go back ever since and hence organised this meet. An intrepid party of

nine struggled up the hillside on a good track. The track contains quite a bit of fluorite, which clearly came from somewhere else, since there is none on the dumps. When we finally reached Wellhope Shaft, we rummaged around the extensive dumps. There is plenty of baryte, witherite, ankerite, sphalerite (crystals) and quartz, with lesser amounts of aragonite, calcite and secondaries. For a long time we thought we had failed on the elusive harmotome, but fortunately Frank Bouweraerts found a block with a few crystals.

P.T.O.

RSN (195) 26 Nenthead
Lunch was eaten in an old engine house now converted to a shooting cabin - far better than sitting outside! We then moved off to Wellhopehead Mine which was a bit more sheltered. Here, there were huge quantities of witherite and some quite nice crystals turned up. There were also some interesting calcite crystals on secondary baryte.

By camp 2 T Bridges (1984) Trans Nat Hist Soc N'umb'a 52
24-6 "Harmotome from N'umb'".

Harmotome, WELLHOPE SH., NENTS B. HAGGS M
[portal in E Cumb q.v.]

WELLHOPEHEAD MINE, West Allen, Northumb.

See WELLHOPE MINE

1184

NY 785 458

WELLHOPEHEAD SHAFTS, Allendale & West Allen, Northumb.

See also SCRAITHOLE M; WELLHOPE MINE

KCD(1948), 193 (Ba, Pb, Zn) Wellhopehead(= Scraithole) V. is contin. of BROWNLEY HILL vein of Alston Moor Cumb [qv].

Wellhopehead & Coke Sh's [qv] sink on the vein, found coarse baryte, abundant on the dumps

NY 9 8 (?)

Numb.

WELPHINGTON

See also KIRKWHELPINGTON (?=)

N.J. Winch, Tr. geol Soc (1817) IV 2-101

Small mine lately worked [for galena]
at THOCKINGTON [q.v., NY 9679] and at
WELPHINGTON [? Kirkwhelpington, NY 9984]
in the same neighbourhood.

1" 84

Cent on NY 851 454

WEST END MINE, Allenheads, Northumb

RSWB (6/66) 538: Dumps - large area around
851 454, also husks. Purple fluorite,
some xls.; calcite; quartz; galena; traces
cerussite in limonite gozzan, with
fluorite

1" 77 NY 815 648

WHINNETLEY MINE, Haydon Bridge, Northumb

See also WATERHOUSE M.,

KCD (1948), 320. Pb. On same vein as
Waterhouse M., reached by level from
Honeycrook Burn 1000' NE of Lipwood House.
Level sinuous, goes NNW, to vein @ ca. 1200'.
Lead ore; pink baryte.

NZ 3572

WHITLEY

Numb.

of WHITLEY CASTLE

N.J. Winch, Tr. Geol Soc. (1817) IV 2-101

Galena, in a dyke at WILLINGTON
only e in main dyke at WHITLEY
[? Whitley Bay, NZ 3572]

1"83

NY 6948

WHITLEY CASTLE, Kirkhaugh, Northumb
of WHITLEY

OS 6" map shows old lead level at 691 484
e old coal level at 691 488, near
Whitley Castle, (nr. Alston)

Numb Willington NZ 31 67

WILLINGTON COLL'Y

?Numb

of Willington, Durh. NZ 1935

N.J. Winch "Obs. on the Geol. of Numb & Durh."
Tr. Geol. Soc. (1817) IV 2-101.

Galena, in a dyke at WILLINGTON
colliery & in main dyke at WHITLEY
[?Whitley Bay, NZ 3572]

1" 71

NT 9928

WOOLER, Northumb.

See also The CHEVIOT, etc.

Ron Brown, Gems (1973) 5 [2] 2-4 . Agates
in terminal glacial deposits 5-6 mi NW
of Wooller [see HOWTEL]. From WOOLER BURN,
close to Wooller, amethyst xls (pale). in
geodes & in detritous banks of the Burn.
[1" 71 shows WOOLER WATER, N-S through Wooller,
NT 9926 → 9929]

1" 70

NT 82 12

YEARNING HALL

Northumb.

S. Smith, SRMRGB xxv (1923) 15: "The Geol of
the Cheviot Hills", MGS (1888) 33:- A wide
vein, S of Yearning Hall has galena
in calcite.