DERBS.

TDF & WASS, PDMI (1964). Native lead listed by Stokes (1881) (Trans Chestif'd Inst of Min Civ Mech Eng 8 67-166) almost certainly artifact. Native arsenic: Most unlikely but As may have been present in assays, though Farey (1811), & Woodward & Mello (1881 p183) say "occas. present in lead ores".
Zinc oxide - highly unlikely & probably a mistaken identification of calamine [sic] by Mawe (1802).

W. Phillips (1823) Vivianite, in crystals of the same form & colour [as those from Wh. Kind, St Agnes, Cornwall !!!!!], in the decomp. shale
See ODIN MINE

K.L. Pering, Geoch. Cosm. Acta 1973 37 401-417 [MA 73-3777]
"Bitumens ass w lead, zinc e fluorite ore mins in North Derbsh. Engl'd".

Ixer, RA e Townley R. Mercian Geol (1979) 7, 51-63 "The sulphide mineralogy e paragenesis of the South Pennine orefield, England". 17 S^{2-} mineralogy v. uniform; coinstent paragenesis: bravoite, Ni-rich e Ni-poor pyrite, and marcasite, chalcopy, galena, e sphalerite. [MA 79-2172]

RSWOB Min Rec (1983) 14 15-24 "Min's of the Derb'sOrefield"

Aitkenhead, N., Chisholm J.I. e Stevenson I.P. (1985) "Geol. of the country around Buxton, Leek and Bakewell". Mem Br. Geol Surv. (Sheet 111), HMSO. Londn

DERBS (II)

Dunham KC (1983) "Ore genesis in the English Pennines: a fluoritic subtype." In Proc. 2nd Internat. Conf on Mississ. Valley type lead-zinc deposits (Kisvarsanyi, G et al, editors) Rolla, Missouri, Univ Missouri Press. 86-112.

Mostaghel, M.A. (1985) Mercian Geol 10, 27-38 Mineralisn.

Rogers P.J. (1977) Trans Inst Min. Met. Sect B 86 128-32. Fluid inclusions - brines local basins

Atkinson P, Moore J. McM, & Evans A M (1982) Bull BRGM Sect II No.2, 149-56. Fluid incl.

Mostaghel MA & Ford TD (1986) Merc. Geol 10 209-24 Brines ex Chesh - Irish Sea basin

BW
Robinson elneson PE (1979) Trans Inst Min Met, Sec B 88 B 107-17. Ore formation fluids

Ford TD (1976) In Handbook of stratabound and stratiform ore deposits, 5 (K.H. Wolff, ed). Elsevier, 161-95. Ores ex N. Sea brines (early theory).

Ineson PR & Ford TD (1982) Mercial geol 8 285-303. Ores ex brines from local basins

MRO = Mines Record Office

JM = John Mort, Barmaster

DCC = Derbyshire Caving Club

DERBS (III)

SRMRGB = Special Reports on the Mineral Resources of Great Britain

GSSoP = Geological Survey Summary of Progress

Dunham, K.C. (1952) = "Fluorspar", HMSO

Farey (1811) = Farey, J. "A general View of the Agriculture & Minerals of Derbyshire Vol I."

J. Mawe (1802) "The mineralogy of Derbyshire, with a description of the most interesting mines in the north of England"

Mem G S N Derbs = Memoirs of the Geological Survey - N. Derbyshire. Green AH & Strahan A. (1887)

Bull PDMHS = Bulletin of the Peak District Mines Historical Society.

C. Pontefous (1950) = "Caves and Caverns of Peakland" The "Come-to-Derbyshire" Assocn.

Ford, Sargeant & Smith UKJMM (1993) 13 16-55. "Minerals of the Peak District of Derbyshire"

XXXIV SW (1924)

Griffe Grange, Wirksworth, and SW corner of Cromford.

Actinolite

Adventine M (?)

Dorbs

Allophane

Derbs

Odin M

Alum [? alumogene] Derbs

Melldose M

Shaw Engine M (?)

Analcime

Derbas

Calton Hill
(Toadstones)

Anatase

Derks

Ible

Anglesite

Bage M

Black Ox Sh. (?)

Brassington

Cromford

Done Q

Eyam

Glory M

Harp Edge (?)

Derbs

Masson Mine

Matlock

Middleton ? Wirksworth

Nether Water M

Pontaway M, Winster

Rent Tor

Royal M

Rutland Cavern

Angles

Snelston M

Upper Golconda M

Wakebridge Ms

Wapping M

Winkswortth

Bonsall Moor

Arbor Low M

High Rake, Gt. Longstone

Deep Rake, Gt Longstone

Ball Eye Q.

White Rake, Tideswell

Fall Hill Me Q

Milltown Q

Whitwell Q

Milldam M

Orchard M, Wirksw (?)

Moss Rake Bradwell

Cavendish Mill

Andy drake

Derbs

Aston-upon-Trent
Sudbury

Ankerite

Derks

Bullestree M

Apatite

Dorbs

Odin M ("U-collophane")
Blue John M ("U-coll")
Windy Knoll Q ("U-coll")
Treak Cliff Cav ("U-coll")
Treak Cliff ("U-coll")
Perryfoot ("U-coll")
Winnats Pass ("U-coll")
Pilsbury ("U-coll")
Speedwell M, Castleton, NEAR ("U-coll")

Aragonite

Derbs

Cumberland Cavern
Goodluck M
Dovestone Leys M
Oakcliff M
Foxholes Caves
Wapping M

Arsenic, native

Derbs

Derbs (error)

Arsenopyrite

Derbs

Exam
Fall Hill MeQ

Asbestos
(See Actinolite)

Dents.

Ashoverite

$Zn(OH)_2$ tet

Milltown Q

Derbs

Augite
(Toadstones)

Darks

Aurichalcite

Ball Eye Q
Cobbler M (?)
Harp Edge
Lath House M (?)
Masson Cav
Millclose M
Riker M
Rutland Cav

Derbs

Upper Golconda M
Watersaw Rake
King Sh (?)
Royal M
Devonshire mine.
Mouldridge M.
Dene Q
Snelston M
Bow Rake

Azurite

Bowlpit M
Goodluck M
Hopton
Matlock
Middleton, ?Wirksworth
Oakcliff M.
Rider Point (??)
Rutland Cav
Snelston M

Darks

Wensley
Ball Eye
Middleton Flats M's
Crich

Barium aluminium trisulphide hydroxide hydrate (mon.) Derbs.

Harewood cupola [in slag]
Cromford cupola [in slag] (?)
Bradwell Mill [in slag] (?)

BaO

Barium thiosulfate fluoride (Triclinic) Derbs

See also Yorks

Cromford cupola [in slag]
Harewood cupola [in slag]

Barium thiosulfate hydrate (orth). Derbs
$BaS_2O_3 \cdot H_2O$ See also YORKS

Harewood cupola [in slag]
Cromford cupola [in slag]

Baryte (I) Derbs

NB General distrib; gangue zoning

Alport M
Arbor Low
Bage M; V
Ball Eye M
Ball Eye Q
Bee Nest M
Birchwoodpark Q
Bow Rake
Black Engine M
Boggard M
Bondog Hole M
Broadshaw E M
Broadshaw W M
Broadhouse M
Brownedge
Buxton
Cavendish Mill dump

Ba

Cackle Mackle M

Calton Hill Q

Cawk V

Coal Hills Q

Coast Rake M

Cobbler M

Cricl

Cromford

Cromfordmoor M

Deep Rake (Gt. Longstone)

Dove Q

Dimminsdale Ms

Dinah's Rake

Dirtlow Rake (Castleton)

Dirty Rake

East Silence M

Eyam.

George M

Gleke M

Glory M

Goodluck M

Great Rake M (Brassington)

Barytes (II)

Greymare M
Grin End M
Hard Rake M, Ashford
Harp Edge
Harty Becca M
Hazard M (Peak Forest)
Hey Spot Sh
High Rake, gt Longstone
Hollandtwine M

Derbs

Hubberdale M
Hucklow Edge Rake
Job M.
Ladies V
Lath House M
Leys M, Bonsall
Long Rake, Youlgreave, etc
Dovestone Leys M
Gang V
Magpie M

Ba

Magshaw M
Maiden Rake
Malster's Venture M
Masson Mine
Masson ①
Mawstone M
Meers M, Cromford
Middleton, Youlgreave
Middleton Engine M
Midway
Millclose M
Mouldridge M
Milldam M
Milltown ①
Moorhigh M
Moss Rake
Nether Water M
New Grove M
Newhaven
New Hedge M
Odin M
Old End M

Barytic (III) Derbs

Old Grove M.
Orchard M, Wirksworth
Overton M
Pack & Meal M
Panthidge M
Pindale M
Pontaway M, Winster
Pontway M, Peak Forest
Priest Cliff
Putty Hill M
Ranter M
Raper Prospect
Ratchwood M
Raventor M, Wirksworth
Raventor V, Wirksworth
"Redland" (Error for Redland, Som.)
Red Rake M, Calver
Rent Tor

Ba

Riker M
Royal M
Rutland Cav
Sallet Hole M
Shuttle Rake
Silvereye M
Slack Scrin, gt Longston
Slakers M
Snelston M
Stans Wood Ms
Freak Cliff
Upper Golconda M
Upper Odin M
Venture M
Wakebridge Ms
Wapping M
Westerhead
West Silence M
White Coe M
Bow Rake

Baryte (IV)

White Rake, Tideswell
White Rake, Wardlow
Winster
Wirksworth
Wrangling Rake
Victory M
Tush V.
Gregory M
Ladywash M

Derbs

Yokecliffe M
Yokecliffe Rake M's
Phillips Q
Raven's Tor
Bonsall Moor
Ticknall
Perseverance M
Carsington
Flaxpiece Rake
Blue John M

Ba Darlton Q
Chapmaiden M
Cliff Stile Rake, St. Middleton
Crofter M
Cross Low V.
Dustypit M
Earl Rake
Golconda M
Lomberdale M.
Long Rake, Bradwell
Old Moor M
Wallclose V

Middleton mine
Wheels Rake
Placket M
Watersaw Rake
Kirk Dale M
King Sh.
Whitwell
Hindlow Lime Wks
Fall Hill MeQ
Boulpit M
Speedwell M, Castleton
Sacheveral Farm
Pike Lane Opencut, Winster

Bismuth mins, unspec. Derbs

Tideswell Dale ("Bi found on anal. of some clay")

Bituminous minerals etc

Derbs

NB Coalfields; Castleton

Ball Eye Q (Pitch)

Blue John M

Brook Head M (Petroleum)

Bullstree M (Pitch)

Castleton

Dene Q

Dimmins dale Ms (bitumen) asphalt

Drake M (Petroleum)

Gang M (Petroleum)

Gregory M (Petroleum, bitumen)

Little Pasture M (Petroleum)

Masson Q

Matlock (Stalact elaterite)

Midway (Thucolite)

Millclose M (coal) bitumen

Odin M (Elaterite; bitumen asphaltum; petroleum)

bitumen

Rutland Cavern (coal)
Stoke Sough ("Rock oil")
Freak Cliff
Westedge M (petroleum)
Windy Knoll Q
Hopton
Ladywash M
Magdough Sough ("Rock oil")
Stony Middleton ("Rockoil")
Fall Hill M. & Q ("thucolite", elaterite)
Milltown Q ("h' carbons")
Snelston

Bormke

Derks

Reber M

Brawdike

Millclose M.
Oxclose Pipe (all over Derbs, esp Matlock area – Ickner)

Brockankite

Derbs

Ball Eye Q
Rutland Cavern (?)
Snelston M

Cadmium sulphide(s) Derbs

yellow coatings,

Middlecote M
Nether Wader M
Arbor Low M
Fall Hill M (incl hawleyite)
Millftown ?
Millam M.

Calcite (I) Derbs

NB general distrib; gangue zoning

Bage M
Ball Eye M
Ball Eye Q
Birchwoodpark Q
Bird M
Black Ox Sh.
Bone Mill Q
Bonsall Ms
Brook-Head M
Brownedge
Calton Hill Q
Castleton
Coal Hills Q
Coast Rake M
Cobbler M
Cromfordmoor M
Dalefield M ("calx")

Ca
Deep Rake (gr Longstone)
Dene Q
Devonshire M
Dimminsdale Ms
Dirtlow Rake (Castleton)
Edge Rake M
Elton Cross Sh
Eyam
Fall Hill M
Fryden Dale
Gleke M
Glory M
Goodluck M
Gospel M
Great Rake M (Brassington)
Gregory M
Greymare M
Hand Dale
Hard Rake M (Ashford)
Harp Edge
Harry Becca M

Calcite (II)

High Loft M.
High Tor grotto
Killocks M
Hogsland Sh
Hopton
Hucklow Edge Rake
Jingler Sh
Jug Holes

Derbs

Ladies V.
Ladywash M
Lath House M
Little Pasture M
Long Rake, Youlgreave etc
Ludwell M
Dovestone Leys M
Magpie M
Mags Law M

Ca

Masson Caw
Masson Mine
Masson Q
Middleton ? Workswoorth
Millclose M
Milldam M
Millers Dale Limeworks
Milltown Q
Moletrap M
Monsaldale Spar M (?)
Moorhigh M
Moss Lake
Nether Water M
Odin M
Overton M
Oxclose Pipe
Pack of Meal M
Partridge M
Portaway M Monster
Priest Cliff

Calcite (III)

Derbs

Putty Hill M
Red Rake M, Calver
Riber M
Royal M
Rutland Cav
Sallet Hole M
Silvereye M
Slack M, Wensley

Snelston M
Stairs Wood Ms
Station Q, Hartington
Stoney Lee(Ley) M
Tansley borehole
Ticknall
(Toadstones)
Treak Cliff
Upper Golconda M

Ca

Upper Odin M
Venture M
Wakebridge Ms
Wapping M
Watercave M
Waterswallows Q
Westedge M
Westerhead
White Coe M
Boothlee M
White Rake, Wardlow
Whitelow Ms, Bonsall
Windy Knoll Q
Winster
Yokecliffe M
Baileycroft Q
Yokecliffe Rake Ms
Phillips' Q
Raven's Tor
Virgin Ms
Ibld

Calcite (IV)

Dolbs

Crossdale Head M.
Earl Rake
High Rake, Gt Longst ("spar")
Hollandstone M
Lomberdale Ms
Arbor Low M
Moss Rake, Bradwell
Shuttle Rake
Placket Mine

Watersaw Rake
Kirk Dale M
King Sk
Hindlow Lime Wks
Speedwell M, Castleton
Pig O'Lead Inn
Middleton Flats Ms
Sacheveral Farm
Pike Lane Opencut, Wingfield
Mouldridge M

Ca IV

Bow Rake
Crich Q
Blue Circle Q, Bradwell
Darlton Q.
Orchard M, Worksworth
Cavendish Mill dump

Celestine

Dorks

"Redland" (Error for Redland, Som.)

Cerussite, "White lead ore" (I)

Derbs

Alport M
Bald Mare M
Ball Eye Q
Black Ox Sh.
Brassington
Cabin M
Calver
Chapel Dale M

Bonsall Moor
Cromford
Cromford L
Cumeed Moor M
Deep Rake (Gt Longstone)
Dene Q
Dirtlow Rake (Castleton)
Dog Rake
Glory M
Harp Edge

Cairns

Hartington
Hey Spot Sh
Hubberdale M
Long Tor
Masson Cav
Masson Mine
Matlock
Meers M, Brassington
Millclose M
Moorhigh M
Mossey Meer M
Nether Water M
New haven
New haven M.
Pack of Meal M
Placket M
Portaway M Winster
Providence M
Ranker M
Ravenstor M

Cerussite, "White lead ore" (II) Derbs.

Rent Tor
Royal M
Rutland Cav
Sallet Hole M
Snelston M
Wakebridge Ms
Walldose M
Wapping M

Brownedge
Watercave M
Wester Hollow Ms
White M, Brassington
White Rake, Tideswell
~~White Rake, Wardlow (?)~~
Winster
Wirksworth
Gregory Mine
~~Sacheveral~~ Farm

Green-Inner M
Arbor Low M
High Rake, Gt Longstone
Ladywash M
Odin M
Fall Hill Mine Q
Milltown Q
Pike Lane Opencut, Winster
Mouldridge M
Milldam M

Bow Rake
Whitwell Q
Darlton Q
Orchard M, Wirksw(?)
Moss Rake, Bradwell
Middleton M
Cavendish Mill dump

Chalcedonic silica

Darks

Bakewell ("Onyx", Chert)
Deep Rake (gt Longstone) (Chert)
Fiery Dragon M (Chert)
Gleke M
Nether Hay M (Chert)
Pontaway M, Winster (Chert, Onyx)
Starts Wood Ms (Chert)
Millclose M (Chert)
Stone Pit M ("bloodstone")
Stubbins M (Chert)
(Toadstones)
Westerhead (Chert)
Nicker grove (Chert)
Davis M (Chert)
Long Rake (Chert)
Nether-hay M. (Chert)

Placket mine (chert)
Watersaw Rake (chert)

Chalcocarb

Derbs

Snelston M

Golconda M

Chalcophyllite Derbys

Matlock (?)

Chalcopyrite

Derbs

Ball Eye M
Ball Eye Q
Birchwoodpark Q
Black Ox Sh
Bullastree M
Calton Hill Q
Cobbler M
Dene Q
Dimminsdale Ms

Elton
Harp Edge
Lath House M
Masson Cav
Masson Mine
Millclose M
Moorhigh M,
Red Rake M, Calver
Riber M

Copy

Royal M

Rutland Cav

Sallet Hole M

Snelston M

Tansley borehole

Upper Golconda M

Wester Lead

Golconda M

Placket M.

Watersaw Rake.

Fall Hill MeQ

Bage M

Chlorite, unspecified Derbs

See also delessite

Calton Hill Ø

Ible

Riker M

Millclose M (?) ("diabantite")

Chrysocolla

Derbs

Calton Hill Q

Dene Q (?)

Snelston M.

Cinnabar

Derbs

Ashover

Dimminsdale Ms

Magpie M

Matson Cav

(Red Mineral Mine — "Red Iron Ore? pretended Cinibar")

Royal M

Rutland Cavern

Clay minerals, etc

Derbs

Bald Mare M ("china clay")
Blakemoor Pit
Brassington (7Å halloysite)
Clay Pit Dale M ("china clay")
Friden Pit
Green Linnet M ("china clay")
Moorhigh M (?illite)
Stubbins M ("steatite")
Suckstone M ("steatite", china clay)

Upper Field M (china cl.)

Cobalt minerals, unspecified Derbs

Waterhall Cavern (? error)

Copper minerals (unspecified)

Derbs

Allow Winn (?)
Birchwood Park ("Cu pitch") also Snelston
Bonsall
Cumberland Cavern
Ludwell M
Dovestone Leys M
Nether Water M ("traces")
Nursery M, Hopton
Portaway M Winster ("trace")
Sallet Hole M
Ladywash M ("traces sec. Cu mins")
Great Rocks Dale
Rushup Edge
Bull Pit M, Matlock
Placket M ("Cu pitch")
Ball Eye M ("Cu pitch")

Copper, Native. Derbs.

Ryker M
Bonsall M's (Via Gellia)
Snelston M.

Cotunnite

Derks

Cromford (?)

Covelline

Dorbs

Wakebridge M (?)

Cuprite

Derbs

Hopton ("Brown oxide of copper")
Middleton, ?Wirksworth ("Brown oxide of Cu")
Waterswaw Rake
Bonsall M's (Via gellia)
Ball Eye Q
Snelston M

Delessite

Parkes

See also chlorites

Calton Hill Q

Descloizite

Derbs

Whitwell Q

Deville Derbs

Wakebridge M

"Diabantite" Derbs

Millclose M (?)

Dolomite

Derbs

NB Rock distrib

Bullestree M.
Castleton
Dimminsdale Ms
Harp Edge
Midway
Whitwell
Fall Hill McQ.
Snelston M

Dundasite

Derbs

Millclose M.
Ball Eye Q.

Enargite

Derbs

Gregory M. Ashover

Ettringite

Deibs

Milltown Q

Felspars, unspecified

Derbs

1 ble
(Toadstones)

Fluorite (I) Derbs.

NB General distrib; gangue zonny

Ash Grass M
Bacchus Pipe
Back Dale M, (Hassop)
Backdale Sh (Winster)
Bage M; V
Ball Eye M
Ball Eye Q
Beams e Bacon M
Beck Sh.
Birchwoodpark Q
Bird M
Black Engine M
Black Hole M; V.
Blackland Rake
Black Ox Sh
Black Sough V.

F

Bluejohn M
Bonsall Ms
Bradshaw E M.
Bradshaw W M
Bradwell
Brook Head M
Brownedge
Bullestree M
Castleton
Catlow Rake
Cavedor Q.
Chewen's Sh.
Church Rake
Cliffside M
Coal Hills Q
Coalpit Rake
Coast Rake M
Cobbler M
Crich
Crich Cliff M
Crichman Sh
Cromford

Fluorite (II)

Derbs

Cross Low V
Dale M (Matlock)
Deep Rake, Gt Longstone
Deep Rake, Foolow (?)
Dene Q
Devonshire M
Dimple M
Dirtlow Rake, Castleton
Dirty Rake
Dustypit M
East Silence M
Eyam
Fall Hill M
Fluor Spar Cavern
gang M
gleke M
glory M
Goodluck M

F

Gospel M
Great Rake, Matlock etc
Gregory M
Greymare M
Harp Edge
Harrybecca M
Highcliffe M
High Lofft M
High Rake, Gt Longstone
High Tor
Hillocks M
Hogsland Sh
Hope M
Hopping Pipe
Hucklow Edge Rake
Intake Dale M
Jingler Sh
Jug Hole
Key Cross V.
Kingard V
Knowles adit
Ladywash M

Fluorite (III)

Derbs.

Lathkhouse M
Littlebrook Head M
Little Pasture M
Long Rake, Youlgreave etc
Long Tor
Maiden Rake
Mam Tor Swallet
Masson Cav
Masson Mine
Masson Q
Matlock
Middlefield Rake
Middleton Engine M
Millclose M
Milldam M
Millers Dale Limeworks
Millers Pipe
Milltown Q

F

Moletrap M
Moorfurlong M
Nether Water M
New Grove M
New Hedge M.
Noon Nick V.
North cliff M, Wirksworth
North Cliff Sough M., Calver
Odin M
Oldash M
Old Edge V.
Old End M
Old Grove M
Old Tor M
Old Twelve Meers M
Orchard M, Wirksworth
Overton M
Oxclose Pipe
Pack of Meal M
Pearsons Venture, Crich
Picture End M

Fluorite (IV)

Derbs

Pindale M
Plaistow Field M
Pontaway M, Winster
Raper Prospect
Ratchwood M
Red Rake M, Calver
Riker M
Royal M
Rutland Caw
Sallet Hole M
Seven Rakes V
Shuttle Rake
Silvereye M
Slaters M
Slit M
Smalldale
Small Dale Head M

F

Shelston M
Spencer M
Starrs Wood Ms
Station Q, Matlock
Stones Venture
Stubbins M
Tanner's Venture M
Freak Cliff e Mine
Twelve Meets M
Upper Golconda M
Upper Odin M
Venture M
Virgin Ms
Wakebridge Ms
Wapping M
Watercave M
Water Hill Pipe, Castleton
Westedge M
West Silence M
White Coe M

Fluorite (V)

Derbs

Whitelow Ms, Bonsall
Windy Knoll Q
Victory M
Tush V
Phillips Q
Raven's Tor
Buxton (Countess Cliff)
Earl Rake
Lomberdale Ms

Wall Case V
Placket M
Watersaw Rake
Kirk Dale M
Arbor Low M
King Sh
White Rake, Tideswell
Speedwell M, Castleton
(including "unusual blue")
Bow Rake

F V

Middleton Flats M's
Rugo Hall V
Sacheveral Farm
Pike Lane Opencut, Winster
White Rake, Wardlaw/gt Longstone
Hazard M
Hollandtwine M, Dirtlow Rake
Cromfordmoor M
Blue Circle Q, Bradwell
Darlton Q
Cavendish Mill dump

Galena "Lead-ore" (I)

NB: General distrib.

Abbots-Hole
Adventure M
Alport M
Amos Cross
Ash Cross M
Bacchus Pipe
Bacon Close M
Bage M; V

Derbs

On cards only specifically named

Bagshawe Cav
Bald-Mare M
Ball Eye M (Ag)
Ball Eye Q
Barkers Field M
Barley Close Pipe
Barlow Flat M
Barrow V
Beans & Bacon M

Pb

Bee Nest M
Biads Barn M
Birchwoodpark Q
Bird M
Birds Head M
Blackburn Croft M
Black Engine M
Black Hole M
Black Or Sh
Black Shale Pits M
Blakelow M
Blobber M
Blyth Ms
Boggard M
Bondog-Hole M
Bonsall Ms
Booth Lee M
Booton V.
Botany Bay M.
Bradshaw E M
Bradshaw W M
Breierlow M

Galena, "Lead ore" (II) Derbs

Brightside M
Brimstone Dyke M
Broadlow Ms
Brook Head M
Broomheads Venture M
Brownedge
Brunt M
Bullestree M
Bull Rake
Burrows M
Cackle Mackle M
Callow M
Calve Stone M
Carrion Hole M
Carsington Hill M
Catlow Rake
Caulk M
Cawdor Q
Cawk V
Chance M (Cromford)

Pb

Chapel Dale M
Chapmaiden M
Chariot M
Church Rake
Clay Pit Dale M.
Clear-the-way M.
Cliffside M
Cliffstile M
Coal Hills Q
Coal Hole Rake
Coalpithole M
Coalpit Rake
Coast Rake M
Cockwell M
Conway M
Cop Ms
Cornel Rake
Course Hill M
Cow Close M (Over Haddon)
Cow Close Pipe (Elton)
Cowslop M

Galena, "Lead ore" (III) Derbs.

Cracking Whole Rake
Crash Purse M
Crich Cliff M
Crichman Sh
Croft M
Cromford
Cromford Level
Cromfordmoor M
Crooked Rake
Crossdale Head M
Cross Low V
Cross Flat-Work
Cross Rake
Cumberland Cavern
Cursed Moor M
Daily Bread M (Chelmorton)
Dale M (Over Haddon)
Dalefield M

Pb

Dale-Top M
Davis M
Deep Rake (Gt. Longst e Calver)
Deep Rake (Foolow)
Dene Q
Dimminsdale M3
Dimple mine
Dimple Rake
Dinah's Rake
Dirtlow Rake (Castleton)
Dirty Rake
Doglow M
Dog Rake
Dorestone Leys M
Dragoneye V
Drake M
Dream M
Dunrake M
Dunshole M
Earl of Mar M
Earl Rake

Galena, "Lead ore" (IV) Derbs

East Silence M
Edge Rake M
Edge Side Rake
Elton Lead mines
Eyam (incl. Sb)
Eyam Edge M
Fall Hill M ≤ ①
Field Rake
Field Side M
Fiery Dragon M
Fore Side Rake
Fox Hole M
gang M
gentlewoman's Pipe
glade Rake
gleke M
glory M
golconda M

P6

Goodluck M
Goodluck (Burdett's) M
Gorsey Dale M
Gospel M
Great Rake (Matlock etc)
Great Rake M (Brassington)
Green-Linnet M
Greenrake Plantation
Greensword Rake
Greenway Field M
Gregory M (incl. Sb)
Greymare M
Grove Rake
Hading Vein M
Hagues Groove
Hand Dale
Hang Worm M
Hard Rake (Crich)
Hard Rake M (Ashford)
Harp Edge
Harrybecca M

Galena, "Lead Ore" (V) Derbs

Have-at-all M
Hazard M, (Carsington)
Hazlehurst M
Hedge Rake
Highcliffe M
High Field M
High Loft M
High Low
High Rake, Gt Longstone
High Rake, Little Hucklow
High Tor Rake
Hillocks M
Hill Rake, Hazlebadge
Hills Rake, Little Hucklow
Hilltop M, Gt. Hucklow
Hilltop M, Wirksworth

Pb

Hodgkinson's Hotel
Hogsland Sh
Holley Hole M
Horsestead Ms
Hubberdale M
Hucklow Edge M
Jackson's M
Jacks Piece M
Job M
Jowl Groove
Jug Holes
King Sh.
Lady Gate M
Ladywash M
Larkhouses M
Lath House M
Leadmines Rake
Leas V, Wirksworth
Lea Wood M
Lea Wood V
Lees M, Taddington
Leys M, Bonsall

Galena, "Lead ore" (VI)

Derbs

Lick Penny V
Littlebrook Head M
Little Pasture M
Long Dale Head M
Long Rake, Youlgreave etc
Longstone Edge Venture
Lucky Ploughman M
Ludwell M

Magpie M
Magshaw M
Mahden Rake
Malsters Venture M
Mandale M
Masson Caw
Masson Mine
Masson Q
Matlock
Middleton M.

Pb

Mawstone M
May Sough
Meers M, Brassington
Meers M, Cromford
Merebrook M
Merebrooksough M
Middle Ditch M
Middlefield Rake
Middleton, Wirksworth
Middleton Engine M
Midway
Millclose M
Milldam M
Millers Pipe
Mole Trap M
Moorhigh M
Moorwood M
Moseley groove
Mossey Meer M
Moss Rake
Mouldridge M

Galena, "Lead one" (VII) Derbs.

Mountpleasant M
Mule Spinner M
Mullet Hill M
Mycross M
Nancy M
Nay Green M
Nether Hay M
Nether Water M
New Engine M
New Grove M
Newhaven M
New Hedge M
New Rake
Newton Grange
Nickalum M
Nick Sough
Nile M

Pb

Nogar Hole M
Nogg M
Noon Nick V.
North Cliff M, Wirksworth
Nunlowend M
Nursery M, Hopton
Nursery End M, Carsington
Oakcliff M,
Odin M
Oldash M
Old End M
Oldgells M
Old Grove M
Old Isaac's Venture M
Old Tor M
Orchard M, Wirksworth
Orchard Pipe, Winster
Overton M
Oxclose Pipe
Oxlow Rake
Pack of Meal M

Galena, "Lead ore" (VIII) Derbs

Peak Pipe
Pearsons Venture, Crich
Pens Rake
Perseverance M, Carsington
Picture End M
Placket M
Plashy Cliff M
Pontaway M, Winster
Ponter's M
Pontokello M
Portway M, Peak Forest
Primrose M
Prince Charles M
Prospect M
Providence M
Putty Hill M
Raddle Pits M

P6

Ranter M
Rantertacker's M
Raper Prospect
Ratchwood M
Rath Rake M
Ravenstor M, Wbswth
Raven Tor M, Grich
Raventor V, Wirksworth
Red Rake, Sheldon or Ashford
Red Rake M, Calver
Redseats M
Riker M
Robinstye Rake
Robin Wash M
Rowbottom M
Royal M
Royal Oak M, Cromford
Rukland Cav
Sallet Hole M
Salters Way M

Galena, "Lead ore" (IX) Derbs

Samuel M
Sand Hole Pipe
Seedlow M
Seven Rakes √
Shaw Engine M
Shuttle Rake
Side M
Side Way M
Silvereye M
Silver Hillock M
Slack M, Wensley
Slackrake M
Slack Scrin, Gt Longstone
Slakers M
Slitherstone M
Slit M
Small Dale Head M

Pb

Smiling Fancy M
Smithfield M
Snake M
Snelston M
Solms M
South Side M
Spar Rake M
Speed M
Speedwell M, Carsington
Speedwell M, Castleton
Spencer M
Starts Wood Ms
Station Q, Matlock
Stitchen M
Stone Pit M
Stones Venture
Stoney Lee (Ley) M
Stubbins M
Success M
Suckstone M

Galena, "Lead Ore" (X) Derbs

Tanner's Venture M
Thistley M
Thornhill Slack M
Thorpe
Ticknall
Tideslow Rake
Tinley M
Town Head M
Townsend M
Trafalgar M
Turnip Close M
Twelve Meers M
Twentylands M
Upper Field M
Upper Golconda M
Upper Odin M

Pb

Venture M, Cromford
Virgin Ms
Wakebridge Ms
Wallclose M
Wam M
Wapping M
Wards Scrin
Warm Bath M
Watercave M
Water Groove Pipe
Waterhole M, Hassop
Watering Pools M
Weather Rake
Well Close M
Wells Rake
Welshman M
Westedge M
Westerhead
West Silence M
Wheels Rake

Galena, "Lead ore" (XI) Derbs

Whippit M
White Coe M
White M, Brassington
White Rake, Tideswell
White Rake, Wardlow
Whitelow Ms, Bonsall
Windmill M
Windy Knoll Q

Yake Stoop M
Yeild M, Middleton
Yokecliffe M
Yokecliffe Rake M's
Hazard Emg. Sh (St. Midd)
Raven's Tor
Phillips Q
Axe Edge
Horwich End

PD

Townhead M, Sheldon
Hey Spot Sh.
Lomberdale Ms
Arbor Low M
Red Seats V
Watersaw Rake
Kirk Dale M
Fernilee
Dusty pit M
Whitwell
Hindlow Lime Wks

Jacob's Dream M
Meltown Q
Middleton Flats Ms
Rugs Hall V.
Whitwell Q
Sacheverel Farm
Bow Rake
Darlton Q
Cavendish Mill dump

Grearksutite Derbs

Ball Eye Q.

gismondine – Ba Derbs

Cromford (on slag)

glauconite, Derbs

Odm M

Goethite (See also "Limonite") Derbs

Calton Hill Q
Goodluck M
Harp Edge
Masson Mine
Masson Q
Milldam M
Snelston M
Watercave M (?)
Arbor Low M
Hindlow Lime Wks
Odin M
Fall Hill M & Q
Speedwell M, Castleton
Ball Eye quarry
Hazard M (Ψ after marcasite) Castleton
Bonsall Moor

Goeth

Wapping M (ψ after marcasite)

Gold

Derbs

Bakewell
Ible
Lathkilldale
Millers Dale

graphite

Millclose M

Derbs

Greenockite
(See also Cadmium Sulphides)

Derbs

Millclose M (?)
Nether Water M (?)
Arbor Low M (?)
Fall Hill mine (?)
Milltown 9 (?)
Cavendish Mill dump (?)

Gypsum

Derbs

Aston-upon-Trent
Bullbstree M
Chellaston Hill
Cumberland Cavern
Matlock
Odin M
Riker M
Rutland Cavern
Speedwell M, Matlock Bath
Venture M
Sudbury
Black Hole mine
Fall Hill M & Q
Bage M.
Milltown Q
White Rake, Tideswell
Wapping M (incl "Ram's Horn")

Gyps.

Snelston M

Crich

High Rake, gt Longstone

Cavendish Mill dump

Haematite

Alsopmoor Plantation
Calton Hill Q.
Hand Dale
Ludwell M
Gang V.
Meesham
Moorhigh M
Newhaven M

Derbs

Pindale M
Priest Cliff
Red-Mineral M
("Red iron one")
Rutland Cav
Smalldale
Station Q, Hartington
Stone Pit M
Swanwick

Brownedge
Arbor Low M
Long Rake
Ball Eye Q

Hawleyite

Derbs

See also Cadmium Sulphide

Foall Hill M. eQ

Hemimorphite

Derbs

Ball Eye Q
Dimmingdale M's
High Loft M (?)
Matlock
Millclose M
Nether Waker M
Royal M
Rutland Cav

Upper Golconda M
Wapping M
Waltercave M
Lomberdale M's
High Rake, Gr Longstone
King Sh.
Milltown Q
Bage M
Ball Eye M's

Hemi

Sacheverel Farm
Pike Lane Oparcut, Winster
Mouldridge M.
Milldam M.
Bow Rake

Hydrocerussite Derbs

Millhouse Q

Cromford cupola (?)

Whitwell Q

Hydrozincate

Ball Eye M
Cobbler M
Harp Edge
Millclose M
Nether Waker M
Royal M (?)
Tall Hill MeQ
Bage M

Derbs

Milltown Q
Cromfordmoor M.
Milldam M
High Rake, gt. Longstone

Iron minerals, unspecified. Derbs

Elton Common
Fryden Dale
Dovestone Leys M ("iron oxide")
Raventor V, Wakesworth
Winster
Over Haddon

Jarosite

Derks

Placket M (?)

Kaolinite

Derbs

Fernlee

Lanarkite Derbs

Whitwell Q

Langite Derbs.

Snelston M.

Lead, native

Derbs

Derbs (error)

Leadhillite

Derbs

Matlock (?)
Whitwell Q
Rutland Cavern

Lead oxide, hydrated (3PbO. H_2O) Derbs

Milltown Q

"Limonite," ochre etc (See also Goethite)

Derbs

Bowdall Moor
Ash Cross M
Bald Mare M
Beell Eye Q
Booth Lee M
Brownedge
Coal Hills Q
Deep Rake, Gt Longstone, ("ochreous clay")
Dene Q
Blacket M

Bowlpit M
Dream M
Greymare M
Harp Edge
High Tor
High Tor Rake
Hills Rake, Little Hucklow
Ladywash M
Lathkill House M
Hartington

Limonite etc.

High Rake, Gt Longstone

Long Dale Head M

Masson Cav

Millclose M

Ochre M, Hopton

Raddle Pits M

Ranter M

Ravenstor M, Wirksworth

Royal Oak M, Cromford

Smalldale

Umber M, Middleton

Snelston M

Long Rake

Wallclose V.

Watercave M

Water Hall Pipe, Castleton

Whitelow Ms, Bonsall

Gregory M

Baileycroft Q

Raven's Tor

Fall Hill M (& me ochres)

Fox-hole M

Arbor Low M

King St.

Linarite

Derbs

Masson Cav
Rutland Cav
Snelston M

Litharge

Dorbs

Milltown Q

Harewood cupola

Cromford cupola (?)

Malachite

Darks

Ball Eye M
Ball Eye Q
Birchwood park Q
Calton Hill Q
Done Q
Elton (?)
Goodluck M (?)
Harp Edge
Hopton
Jug Holes
Lath House M (?)
Matlock
Middleton, ?Wirksworth
Millclose M (?)
Nursery M, Hopton
Oxclose Pipe
Bowlpit M

Mal

Rutland Caw
Snelston M
Upper Golconda M (?)
Wensley
Gregory M.
Placket M
Watersaw Rake.
Hindlow Lime Wks
Jacob's Dream M

Odin M (Traces, stains)
Bonsall M's (via Gellia)
Bage M
Middleton Flats M's
Crich

Marcasite

Derbs

Gregory mine ("silvery pyrite")(?)
Millclose M
Oxclose Pipe
Riker M
Arbor Low M
Ladywash M.
Odin M.
Fall Hill M e Q
Speedwell M, Castleton (?)("Fe-sulphides")

Hazard M, Castleton (ψ'd largely to goethite)

Wapping M (ψ → goeth)
Cavendish Mill dump (?)

Massicot

Milltown Q (?)

Dorbs

Matlockite

Derbs

Arkwright M.
Bage M
Cromford
Cromford L
Matlock
Rutland Cavern (error)
Wallcloze M

Matthewdleite Derbs

(Secret loc!) (CJ Stanley et al)

Whitwell Q

Melanterite

Derbs

Odin M

Microcline

Dorks

Calton Hill Qy

Millerite

Derbs

Tansley borehole.
Fall Hill Q., Ashover
Hockley Q, Ashover (? error)

Minerite, "Brown linnets or lead ore" Dorks

Elton
Horsebuttock
Moorhigh M
Wheels' Rake

Minium

Derbs

White Rake, Tideswell

Natrolite

Derbs.

Calton Hill Q

Olivine

Derks

Calton Hill Q
Ible
Riker M
(Toadstones)
Waterswallows Q
Brownedge

Opal Derbs.

Harry Becca M.

Orthoclase

Derbs

Calton Hill Qy

Palygorskite

Dorks

Calton Hill Q (?) (NO. = saponite)

Ible (?)

Milltown Q (near paly.)

Phosgenite

Derbs

Bage M
Cromford
Cromford L
Merebrooksough M
Millclose M (? error)
Wallclose M

Phosphatic nodules

Ridgeway

Devs

Phosphohedyphane, Derbs
$Ca_2Pb_3(PO_4)_3Cl$ (cf "ab-pyrom")

Whitwell Q.
Bonsall Moor (?; "ab-pyro")
Masson Q (?; "ab-pyro")
Wappmy M (??; "?ab-pyro")
Youlgreave (?; "ab-pyro")

Pyromorphite, "Green Linnets or Lead ore" Derbs
ck phosphonedyphane

Alport M
Bonsall Moor ("Ab")
Brassington
Brownedge
Green Linnet M
Hartington
Hey Spot Sh
Horsebuttock
Lath House M (??)
Masson Mine
Masson Q ("Ab")
Matlock
Meers M, Brassington
Millclose M
Mossey Moor M
Red Rake M, Calver
Suckstone M
Upper Field M

Pyrom.

Wapping M (Ab?)

White Rake, Tideswell

Wirksworth

Youlgreave ("Ab")

Waketsaw Rake C ("Normal")

Ball Eye ()

Tideslow Rake, Winster

Moss Rake, Bradwell

Sacheveral Farm

Pike Lane opencut, Winster

Hazard M, Castleton

Milldam M (FTIR→AS-free)

High Rake, gr Longstone

Pyrite

Blyth Ms
Burrows M
Calton Hill Q
Dimple M
Dunshole M
Fall Hill M eQ
Gang M
Glebe M

Derks

Gregory M
Hogsland Sh
Lath House M
Dovestone Leys M
Millclose M
Moorhigh M
Oxclose Pipe
Ranter M
Ravenstor M, Wksworth

Pyrite

Riker M
South Side M
Swanwick
Ticknall
Freak Cliff
Wells Rake
Winster
Arbor Low M
Wheels Rake

Odin M.
Milltown Q
Ball Eye Q
Speedwell M, Castleton(?)
("Fe-sulphides")
Snelston M.
Lathkill Dale
Crich
Orchard M, Wksworth
Cavendish Mill dump(?)

Pyrolusite (see also Wad) Derbs.

Odin M ("MnO_2 dendrites")

Fall Hill MeQ (?)

Pyrrhotite

Derbs

Tansley borehole

Quartz

Allens Lime Q
Bakewell
Ball Eye Q
Brassington
Buxton
Calton Hill Q (incl. amethyst)
Diamond Hill, Burbage
Fall Hill M & Q
Flake M

Derbs

Grin End M
Harp Edge
High Lopr M
Masson Mine
Masson Q
Matlock
Pontaway M, Winster
Priest Cliff (incl. amethyst)
Rutland Cav

Qtz

Slack M, Wensley (Toadstones)

Treak Cliff

Waterswallows Q

Winster

Bonsall Moor

Ible

Milltown Q

White Rake, Tideswell (var. amethyst)

Snelston M.

Crich Q

Cavendish Mill dump

Rosaste

Ball Eye Q
Goodluck M (?)
Harp Edge
Masson Cav
Red Rake M, Calver
Rutland Cav
Shelston M
Upper Golconda M (?)

Derks

Gregory M (?)
Wakersaw Rake
King sh (?)
Devonshire M.
Wakebridge Ms (?)

Rutile

Darks

Calton Hill Q (error)

Saponite

Denks

Calton Hill Q

Serpentine

Derks

Riker M

Siderite

Derbs

Cumberland Cavern
Dimminsdale Ms
Rutland Cavern (?)
Portaway M (?)
Ladywash M

Sidpietersite

Derbs

$Pb_4(S_2O_3)O_2(OH)_2$

Milltown Q

Silver, native. Derbas

Ible

Smithsonite, "Calamine" (I) Derbs

Ball Eye M
Ball Eye Q
Barlow Flat M ("calamine")
Black Ox Sh
Carsington Hill M ("calamine")
Castleton
Cawk V ("calamine")
Cobbler M
Cornel Rake ("calamine")
Cross Rake ("cal")
Cumberland Cavern
Dene Q
Dovestone Lep M ("cal.")
Eyam
Fox Hole M ("cal.")
Greenway Field M ("cal.")
Hard Rake M (Ashford) ("cal.")

Smithsonite

Harp Edge
High Loft M (?)
Lath House M
Leys M, Bonsall
Long Rake, Youlgreave etc ("cal.")
Magpie M
Matlock
Meers M, Cromford ("cal.")
Middle Ditch M ("cal.")
Millclose M ("calamine" & AR, 1912)
Milldam M
Moorhigh M
Mouldridge M ("cal.")
Nether Waker M
Nunlowend M ("cal.")
Nursery End M, Carsington ("cal.")
Oakcliff M,
Odin M
Prince Charles M ("cal.")
Putty Hill M ("cal.")

Smithsonite, "Calamine" (II) Derbs

Redseats M ("cal.")
Ricker M
Royal M
Rutland Cav
Seven Rakes V
Upper Golconda M
Wapping M
Watercave M
Whitelow Ms, Bonsall (incl. "cal.")
Yeild M, Middleton ("cal.")
Yokecliffe Rake Ms ("cal.")
Gregory M
Burfoot M's ("Dry-bone cal.")
Bagshawe Cav ("cal")
Kitle End V.

$ZnCO_3$

Lomberdale M's (?)
Arbor Low M.
Shuttle Rake ("cal")
Placket. M
High Rake, gt Longstone
Oxdale Pipe
King Sh
Ladywash M
Fall Hill MeQ
Milltown Q
Bowlpit M

Rugs Hall Vein
Sacheverel Farm
High Low ("cal")
Blow Rake
Mill Close mine
Cavendish Mill dump

Sphalerite (I)

Bagel M; V
Bale Eye Q
Blakelow M
Blyth Ms
Bullastree M
Carrion Hole M
Cromford
Dimminsdale Ms
Fall Hill M & Q

Derbs

Gang M
Gloke M (trace)
Golconda M (?)
Hard Rake M, Ashford
Hogeland Sh
Ladywash M
Lath House M
Ludwell M
Dovestone Lep M

Zn

Mason Mine
Millclose M
Moleshop M
Moorhigh M
Nether Water M
New Engine M
Ninlowend M
Odin M
Ranker M
Ratchwood M
Sneloton M
Ravenstor M, Wirksworth
Raventor V, Wirksworth
Red Rake M, Calver
Riber M
Rutland Cav
Seven Rakes V
Tansley borehole
Upper Odin M
Venture M
Westedge M

Sphalerite (II)

Derbs

Gregory M
Ladywash M
Bacon Close M
Coast Rake M
Fall Hill M
Arbor Low M
Red Seats V
Wallclose V

Placket M
Milltown Q
Speedwell M, Castleton
Whitwell Q
Wakebridge M
Milldam M
Cromford moor M.
Orchard M, Wirksworth
Cavendish Mill dump

Sulphur, native. Derbs.

Bage M.
Bole Hill
Bradwell
Castleton
Crómford
Dene Q
George M
Lath House M
Millclose M
Nether Water M
Odin M
Virgin Ms
Windy Knoll Q
Wirksworth
Tideswell (?)
Ball Eye Q

S

Riker M
Milltown Q
Glory M, Ctich
Milldam M (?)
Ctich Q
Whitwell Q

Sweetite

$Zn(OH)_2$ tetr.

Millstown Q

Derbs

Tenonte

Derks

Watersaw Rake
Snelston M.

Tetrahedrite

Millclose 11

Derbs

Tyrolite

Derbs

Matlock (? error)

Uranium minerals, etc.

Dorks

Buxton (in waters)
Castleton
Golconda M (??) ("Ra in blende" ??)
Matlock ("in Mill Grit shales")
Midway ("thucolite")
Ridgeway ("in phosphatic Marine Band")
Fall Hill M & Q ("thucolite")

Vanadinite

Derbs

Whitwell Q

Viviamte

Derbs

Chellaston (Mill)
Derbs.
Matlock (? error)
Odin M

Wad, "Manganese"

Bone Mill Q
Booth Lee M
Brocoredge
Cackle Mackle M
Calton Hill Q
Carsington Hill M ("Mn")
Long-Dale-Head M
Ochre M, Hopton
Pontoway M, Winster

Derbs.

Rutland Cavern (?).
Snelston M
Well Close M
Buxton
Alport
Elton
Hartington
Hey Spot Sh.
Whitelow Rake, Winster

Wad

Yokecliffe Rake

Odin M (MnO_2 dendrites)

White Rake, Tideswell

Weddellite, Derbs.

Milltown Q

Witherite

Derks

Dovestone Leys M
Wakebridge Ms

Wulfenite

Odin mine (?)
Snelston
Ball Eye quarry
Speedwell M, Castleton
Ball Eye M's
Sacheveral Farm
Glory M., Crich [Crich Q]
Pike Lane Opencut

Derbs

Ladywash M
Crich Q
Milldam M.
Darlton Q
Cavendish Mill dump

Wulfingite — Derbs

$(Zn(OH)_2$ orthorhombic)

Millerton Q

Warzite

Derbs

PDM 1 (??)

Millclose M (According to PDM 1)

Also error for ruby blende (PDM 1)

Fall Hill M & Q

Zeolites, unspecified Derbys.

Calton Hill Q (?)
Elton (?)

Zinc hydroxides

Dorbs

sweetite $Zn(OH)_2$ tetr;

also $Zn(OH)_2$ orth (= wulfingite);
δ-$Zn(OH)_2$ - acicular

$Zn(OH)_2$ thin tabular x/s

Zincite

Dorbs

Dorbs ("zinc oxide" — error)

Milltown Q (ZnO cores in sweetite)

Zinc, native.

Derbys

Bonsall (error)

Unnamed species — Derbs

γ-$Zn(OH)_2$ (acicular) — Millsite Q
$Zn(OH)_2$ (thin tabular) — ++ — Ashoverite?
$3PbO.H_2O$ — ++
Red tabular xls, major Pb — ++
Yellow unknown — ++
Yellow hexag. unk. — ++
orange acicular flaky unk — ++

1" III SK 26 2264

ABBOTS-HOLE or WHITE VEIN (Alport) Derbs

Youlgreave or Harthill pH

Farey (1811): In "1st Limestone": Lead ore.

Mem GS N Derbs (1887) 143. Abbot Holes Vein (NW) crosses close to the junction of the Lathkil & Bradford [221 644] & falls nearly into the range of the SUTTON VEIN (to W)

1" III SK 2 5

ADVENTURE MINE, Cromford, Derbs.

Farey (1811): 9m "1st Limestone"; lead, "recent asbestus?"

TDF & WASS, PDMI (1964). Actinolite is probably the "asbestus" noted by Farey (1811) – Adventure Mine probably = Arkwright Mine probably = Cromford Sough [qv]

1" III SK 204775 – 204773

AIR GATE (Black Hole) Eyam, Derbs

Black Hole Map, MRO, shows "Line of Air Gate in the shaft from Miners' Engine to Black Hole Mine". ("Miners Engine" Shaft = Old Twelve Meers Mine).

1" III Tail SK 25 29365695

ALABASTER SOUGH, Cromford, Derbs.

Farey (1811): On W side of Cromford Town where water which falls from its mouth in the "1st. Limestone" turns a Corn Mill.
(Farey mentions "Cromford Sough" separately — "SSW of the Town; to Gang & other Mines)

NB. OS 6" map shows "Alabaster Lane" on W side of Cromford, at 29x569. Ala' & Ala'Ol Veins are near here.
— "Ala' baster"??

1" III SK 2875 5710 — 2905 5698

ALA' VEIN, Cromford, Derbs.

[= "Owlet"??] See also ALABASTER SOUGH.

JM's 25" map labels "Ala'" on WNW–ESE vein at above loc, 1¼ to "Ala' Ol' Vein," and crossing Slingtor Owlet Hole.

SK 288 571 – 291 570

ALA' OL' VEIN, Cromford, Derbs

[= "Owlet Hole" ??] See also ALABASTER SOUGH

JM's 25" map labels "Ala' Ol'" a WNW-ESE vein at above loc., 1¼ to "Ala' Vein", and crossing Slingtor Owlet Hole.

1" III SK 35 62

ALLENS LIME QUARRY, Ashover, Derbs.

Farey (1811) p 442-3: Cavities lined with quartz x-ls of a light waxen colour at Allens and Fall-Hill Lime Quarries at Milltown in Ashover.

1" III SK 35 ca 304 516

ALPORT MINE, Ashleyhay (nr. Wirksworth), Derbs.

Farey (1811): Alport, at Spout, nr. Asley-hay in Wirksworth, in "1st grit". Lead.

NB. OS 6" map shows Alport Quarry, on W side of Alport Hill (N.T.) just N of Spout, at SK35 304516.

6" GS map. Alport Hill, Ashleyhay, shows "Lead scrin in grit"

TFord, Brit Comm (1963) Pb ores in grit, with pyromorphite

TDF & WASS, PDMI (1964) New locs. Barite - "good xls" in veins in the Millstone grit at Ashley Hay; Pyromorphite in a vein in the Mill. Gr. at A.H. Cerussite at Ashley Hay.

RSWB, JRK, 2/65, IV, 163. At SK 305 515, smallish quarry in grit has barytc xls. in joints, xls of silverband habit, large for Derbs, 1in. being common.

RSN(2000)36, 26. Visit ALPORT HEIGHTS grit Q'y. Now NT site; no collecting. Barytc Across the road side of old Pb mine — pyrom from here in Devonshire Coll.

1"111 SK 22 64

ALPORT, Derbs. (Not a parish)

See also HARTHILL, YOULGREAVE, etc.

Mem GSN Derbs (1887) 159. Farey (1811) 407: Wad- Alport

1" III SK 22₃ 64₉

ALPORT SOUGH, Youlgreave, Derbs

?=WHEELS RAKE SOUGH

Mem GS N Derbs (1887) 142 From the Lathkill where crossed by Sough Vein (Wheel's Rake) [ie near 22₃ 64₉] to Cathole Vein by 1718.

1"111 SK ~~15~~ 161565

ALSOP MOOR LIME WORKS, Eaton & Alsop, Derbs.

ALSOPMOOR PLANTATION, 1" III 165573 (SK [illegible])
late LARK PASTURE PLANTATION, Alsop, Derbs.

SRMRGB IX "Fe..." (1919) p 25: "In 1903, haematite trial at Lark Pasture Plantation (now called Alsopmoor Plantation) 3 miles SE of Hartington.

1" III SK 358645

ALTON QUARRY, Ashover, Derbs.

1" III SK 358645

ALTON PARISH QUARRY, Ashover, Derbs.

Ambervale quarry, (Slack, W of) Ashover, 1" III SK 333629

Derbyshire.

6-in.map XXIX SE (1923):

1" III SK 2₃ 6₄

AMOS - CROSS Stanton, Derbs.

See WHEEL'S RAKE

Farey (1811): Amos-cross, in Stanton in the Peak, in shale a "1st Limestone". Lead.

Mem GS N Derbs (1887) 143 S of Wheels Rake. [ie near 23.64. ?]

ARBELLOW, Middleton & Smerrill, nr Youlgreave, Derbs.

See ARBOR LOW.

1" III SK(16) 160635

ARBOR LOW, Middleton & Smerrill, Derbs.

Hill, crowned by ancient earthworks.

Is this the "Arbellow nr. Youlgreave" classic loc. for stalactitic barytes? eg see Adam. (1845). Yes!

W. Adam: "Brief Remarks on Geol of Derbs" (1846) Stalactitic baryte discovered in 1832 at Arbellow, Middleton, Youlgreave

GSI "Old Series map of (1852) is ARBEL LOW on this map

1" III Nr SK 17o 639
172 640

ARBOR LOW MINE, Middleton-by-Y. Derbs

RSOB (5/70) 5 167. Spar mine, being worked by Middleton Mining Co. from a shaft. Dumps:- much calcite, massive, columnar, dog-teeth, also pink, slightly Mn-ous - (0·01% Mn - atomic absorp. spec.), Zn free (mercurithiocy. test). In the pink calcite, spots yellow sphalerite altering to smithsonite, also spots galena, alt'g to micro-x/s cerussite & anglesite; traces ?greenockite

dusting the sphalerite. The pink Ca veins a peculiar rock with calcite, plant remains, e bunches pyrite e ~~pyrrhotite~~ marcasite x/s, the latter in non-magnetic rhombs. On dumps also pea-like nodules haematite → goeth → "limon". also galena, strings e dissem. in calcite

RSWB 30/11/72 Marcasite ◇ on calcite. Colourless fluorite cubes

1" III SK 2 5

ARKWRIGHT MINE, Cromford

Willersley? Near or on "Maletrap Lode"? or Cromford Level or Sough?

Matlockite (3) → (Bannister MM 23 587) & see below

? Smith (2/61). According to J Mort barmaster, is probably the level behind barker's shop opposite "New" Arkwright Mill.

~~Bannister~~ QSWBeGR, MM 33, 443 (1963) BM 54263 specimen of matlockite quoted by Bannister not from "Rutland Mine" but from "Arkwright Mine, Cromford"

TDFe WASS PDMI (1964) Matlockite [quoting Bannister ~~repeating the error~~]. "Arkwright J Mine" probably

= "Adventure Mine," prob. = Cromford Sough. [q.v.]

1" III SK 289 560s

ASH-CROSS MINE, Cromford, Derbs.

Farey (1811): Ash-cross, in Cromford, in shale & "1st Limestone". Lead ore in shale; ochre; fibrous spar [?]; large cubes of fluor spar; and "curious Crystals" [?]; Corrosive Water [?]

1" III SK(17) 192 759

ASHFORD SHAFT, Gt. Longstone, Derbs.

See also WATER GROVE SOUGH, WATER GROOVE PIPE (Foolow)

MRO Map : On Water Grove Sough

ASHLEY HAY, nr Wirksworth, Derbs.

See ALPORT MINE

1" III SK 194 762

ASHMORE FLATTS, Eyam, Derbs.

See WATER GROVE SOUGH, & PIPE (both Foolow).

? Ore bearing area between OLD FOUNDER & CLOSE HEAD SHAFTS, on Water Grove Sough.

1" III SK(36) 3563

ASHOVER, Derbs.

Geol Surv Summ. of Progress (1906) p7. Fluorite mines reopened: Gregory; Overton; Blackland Rake.

Dunham 105 (1952) Details of area.

MILLTOWN QUARRY. Good xls fluorite (AWGK) } See sep card

RSWB 15/5/60 See Field report Fluorite; baerite; calcite }

1 3600'

SPENCER'S RAKE. Good xls fluorite (AWGK) See Sep card

GREGORY MINE Mem Geol Surv. N. Derbs (1887). "Antimoniated ore of Pb" with } See Sep card

RSWB 15/5/60 veins See Field of petroleum. report. Fluorite; calcite; galena.

Mem GSN Derbs (1887) 152. Workings all above toadstone which is at least 70 yds thick. Rock-oil in lead ore (Pilkington 1789, p177)

Farey's List (1811) Cockwell; Fall-hill; Town-head; Westedge; Overton, in Ashover; Blackstone; Brimstone-Dyke; Gregory; Overton; Townsend.

GM. Millerite NiS fine golden needles spanning cavity in white Calcite vein in Lower Carbonif. mudstone with blende, chalcopyrite & pyrrhotite from Geol Survey borehole, Tansley nr Ashover, Derbs.

SRMRGB XV "AseSb" (1920). Antimonial galena at Gregory Mine, Ashover.

G.S. Sweeting; Proc. Geol. Assoc., vol 57, p117 (1946) describes the geology of the inlier in detail.

AWGR Ass Comm (1963) Cinnabar (Coll in 1942)

1" III SK 20? 73

ASH NURSERY MINE, gt Longstone, Derbys.

Mem GSN Derbys (1887) 139. On Ox Pasture Vein

Rieuwerts Bull PDMHS (1960) 1 [3] 3. W of Hard Shaft

1" III SK(36)348639

ASHOVER PARISH QUARRY, Ashover, Derbs

1" III SK (36) 311644

ASHOVER QUARRIES, Ashover, Derbs

1" III SK(36) 315642

ASHOVER UPPEREND QUARRY, Ashover, Derbs.

ASHTON'S MINE, Hope, Derbs.

See PINDALE MINE

ASHTON'S PIPE, Eyam, Derbs.

1" III SK (27) ca. 217767

See also GLEBE MINE, CLIFFSTILE MINE, PAUL PIPE, MOORWOOD SOUGH.

Dunham (1952), p. 85: Map, p. 84: Descrip. "A barren leader"

J.H.R. Bull PDMHS 1 [3] 10 (1960): Cliffstile Mine: Two 1st pipes, PAUL PIPE & ASHTON'S PIPE, run a few feet apart up to GLEBE SHAFT. MOORWOOD SOUGH runs along sole of Ashton's Pipe from a shaft behind a cottage in Middleton Dale, to forefield beyond GLEBE.

N. Kirkham Bull PDMHS 3 [6] (1968), Map p. 339 shows "approx range Ashton Pipe" from Rock Cottage [SK 226 756] to Cliffstile mine [SK 224 759]

1" III SK(07) 083 726

ASHWOOD DALE WORKS, Fairfield, Derbs.

OS 6" map: Lime works

1" 121 SK 41 29

ASTON-upon-TRENT, Derbs

TMH (1868), 55. Anhydrite; gypsum, in Keuper Marls

A.T. Metcalfe. Tr. Fed. Inst. Mining Eng. 12 (1896), p 107. "Gypsum deposits of Notts & Derbs."

1" III SK(24) 223 495

ATLOW WINN, Atlow, Derbs.

Farey (1811) p 352: Copper Ores: .... the celebrated Woodwardian coll. at Cambridge .... The other specimens mentioned as from "near Ashbourne" came perhaps, from the hill called Atlow Win, which I have already mentioned on p 230 as probably containing metallic ores.

p 230: Atlow Win or Maghill-Bowse, in the (rich) Shale Limestone, which not improbably contains rich minerals in its central parts.

(RSWB: Atlow Winn is in part of the Bradbourne inlier. The copper minerals referred to more probably came from Snelston nr Ashbourne)

1" III SK 216 759

AUTON CROFTS SOUGH, Eyam, Derbs.

N. Kirkham, Bull PDMHS 3 [6], 329 (1968) Auton or Acton Crofts Sough probably in the SE corner of the Delph, near above ref.

AWTON CROFTS SOUGH, Eyam, Derbs

See AULTON CROFTS SOUGH.

1"111 SK 0369 - 0370

AXE EDGE, Hartington Upp Q'r, Derbs

E. Lacey Tr. M/C G. Soc (1862) 3 135 Galena

2-3" fault-vein cutting a coal seam

BACCHUS MINE, Crich, Derbs.

See BACCHUS PIPE

BACCHUS PIPE, Crich, Derbs.

1" III

SK(35) 34 55

Farey (1811): Bacchus-pipe, nr. the Cliff, Crich, in "1st Limestone". Lead. Hades W very fast.

GSS & P (1906) p7. BACCHUS MINE, fluorite mine, reopened

Mem GSN Derbs (1887) 155 On W side of the hill; 20 fm of toadstone, at 75 fms.

BACK DALE MINE, Hassop, Derbs. 1" III SK(27) 232 734

See also CALVER SOUGH, Calver.

Dunham (1952), p.96: Dumps largely exhausted

GSS of P (1906) p7. Fluorite mine, reopened at "Eyam"

Rieuwerts Bull PDMHS (1969) 1 [3], 3: In 1775, Calver Sough extended from Wren Park Mine to dram Busks M, Bockdale M, Froggatt grove, & Brightside M.

Mem GS N Derbs (1887) 139 On a S branch of Deep Rake, reached by x-cut of ca 100 yds @ 40 fm from base of shaft. Fluorite

1" III SK (26) ca 235 606

BACKDALE SHAFT, Winster, Derbs

See also LOUSEY LEVEL.

DCC 2½" map shows "Backdale Shaft" at above loc., on or near "Lousey Level"

RSWB & TG; 16/5/62. Vol II, p. 56. Fluorite dumps being worked.

Mem GSN Derbs (1887) 145 BUCKDALE SH. on PORTAWAY V. [qv] near the bend in the road, worked below Lousey Level.

1" III SK 18 67 78 73?

BACK O' THE EDGE MINE, ?Grindlow, Derbs.

Mem GS N Derbs (1887) 137. On a vein branching NW from near Old Grove Shaft., e worked at head of Bretton Clough, e in May Sough.

1" III SK 2 6

BACON CLOSE MINE, Youlgreave, Derbs.

See also HILLCARR SOUGH

Farey (1811): Bacon-close, nr. Yolgrave, in "1st Limestone". Much lead; an hydraulic-pressure engine. p. 329. Drained by HILLCARR SOUGH.
[NB = Beacon Cross Mines, Harthill??] — SK 21763 8

Mem G.S.N.Derbs (1887) 143. BACON or BACON-CLOSE VEIN worked out to 16 fms below H. Sough; one still left below. Some blende.

BACON RAKE, Matlock Bath, Derbs.

See GREAT RAKE, Matlock.

1" III SK 29155500

BAGE MINE, Bolehill, Wirksworth, Derbs (I)

~~W~~ BASE vein (Geol Surv)

On WALLCLOSE Vein. & bage See also "CROMFORD".

BM: VG Phosgenite. "Wallclose Mine"

Gregg & Lettsom (1858). Sulphur small, perfect, highly modified xls in galena at Bole Hill.

Many years ago a few fine spec's phosgenite (Cromfordite) met in an air shaft to a level @ Bage Mine in midd. of Bole Hill Vill. Later, deeper level driven, & Wright examined drained shaft in 1851 & found a few good spec's. Wright had examined every mine in neighbourhood & found none except here & thinks no more spec's, since mine abandoned. Some up to 2½"!

Anglesite; matlockite - see "CROMFORD"

MM 23 587 Matlockite as ~~[illegible]~~ w. phosgenite etc. prob. from here. See "MATLOCK". Quoted by TDF & WASS PDMI (1964).

Bannister (1934)

PTO

Farey (1811): Lead; cawk; a hot spring in "1st Limestone".

RSWB 19.4.59. Loc 204 See field report. Blende; galena; cockscomb barite; colourless fluorite; calcite with small (5mm) scalenohedra in vughs.

AWGK, MM 31 500 Only Derbs. Loc for phosgenite.

L. Lecornu Ann des Mines (vii) 15, 5 (1887). Bage Mine workings typical for Derbs. Opened in First Limestone & schists; elevated so that water no trouble. Veins thin, 3-4 cm @ 108 m, so galleries narrow. Workings v. irreg. following any ore, in any direction. Principal E-W lode and N-S cross-course. Ventil. natural. 8 men in one gallery make it advance 1½ m/week, ie 170 tons dressed ore p.a., which is quite rich.

AWGK, Old spec. Matlockite.

BAGE MINE, Wirksworth, Derbs (II)

Mem GSN Derbs (1887) 149-150. Shaft 50 fms deep (17 short of Meerbrook Sough). Worked Wall Close V (SE) & the associated Bage, Walker's, & Flint V's. No toadstone. galena; baryte; a little blende; v. little fluorite, some white one [cerussite]. Towards N, Wall Close V crosses Gang V & has yielded ochre N of this point. Working in 1879.

RSoB Min Rec (1983) [1] 15-24 Phosgenite on galena with fluorite, baryte, sphalerite cerussite, anglesite & occas. matlockite

G. Batey "Bage Mine", Min Realm (1983) 2 [4] 31-36
Descrip. & survey; plan of undergr. workings explored, at 190, 238 & 303 ft levels. Sections gypsum, recent growth; a baryte vein with galena near outer edges; no phosgenite etc found.

J. Jones "Mineralogy of Bage mine" Bull PDMHS (1982) (Dec) 8 [4] 260-1
Sphalerite, galena; baryte; calcite; fluorite; hemimorphite; post-mine selenite and pale green hydrozincite; minor chalcopyrite, emaldchite spots; 1 small phosg. found in a Kibble, high up in N end of Bage V. Thin section; with anglesite

BAGE MINE, Wirksworth, Derbs (III)

paragenesis etc. The likely areas for the occurrence of phos. e mat. are discussed, a "full account of which is has been prepared" [Bridges e Smith J. Russell Soc

Rieuwerts, J.H. (1982) "A technolog'l hist'y of the drainage of the Derbs. lead mines" PhD Thesis, Univ of Leics.

Bridges e Smith (1983) J. Russell Soc. 1(2) 7-15 Phosgenite

RSGB (1983) Min Rec 14 (1) 15-24

Jlke Wilson Priv Comm. Had several samples of the shales outcropping near Gang Mine analyped for suitabicity for cement aggregate! Reported to be unsuitable because of high salt content. This may be relevant to formation and location of phosgenite & matlockite!

Burr, P.S. (1992) Min. Rec. 23, 377-386. "Notes on the history of phosgenite & matlockite from Matlock, England"

Burr, P.S. (1994) Min Rec 25, 39-41, "Further notes on the history of phosg. & matl. from Matlock, England"

BAGE MINE, Wirksworth, Derbs. (IV)

Russell Soc Newsletter 20 (1990).

19th November 1989 Bage Mine, Bolehill, Derbys. The mine lies on the eastern margin of the Lower Carboniferous Limestone under the edge of the Millstone Grit shales. The limestone varies from a white crinoidal to a hard buff-coloured limestone with discontinuous bands of black chert. Fissures in the limestone and ancient solution chambers are ofter infilled by the overlying basal shales of the Millstone Grit Formation.

Access to the underground workings is via Hard End Shaft which was the main engine shaft for the mine and is situated in the middle of the small village of Bolehill, near Cromford, and today is the headquarters of the Wirksworth Mines Research Group, our hosts for the day. Hard End Shaft is 303ft deep with two main levels off, one at 190ft, and shaft bottom (Cromford South Level) at 303ft. Another extensive level at 238ft is accessible via a 60ft climbing shaft from the 190ft level. There are 12,000ft of passages accessible at the present time (Nov. 1989). There are five major veins; Butler Vein, Burton Vein and Branson Vein coursing approximately north-south and Bage Vein coursing northwest-southeast. Wallclose Vein courses east-west and intersects the other four veins; there are numerous minor east-west veins and scrins which have been worked mainly on the 238 and 300ft levels.

The meeting commenced at 12.30 pm when our party was winched down the shaft to the 190 ft level. Leaving the shaft station we headed out to the east with a 6in Ba/Pb vein in the roof; in a short distance a 14ft rise up the backfilled stope gives access to the continuing passage at a higher level. In a short distance the passage turns to the north to arrive at a four way junction with one level turning back to the south to the head of the 60ft climbing shaft to the 238ft level, the passage going north-west is on Bage Vein.

After a short diversion to see the climbing shaft we

carried on northwards on Butler Vein. Here the roof and higher parts of the walls are following an old phreatic water course, the lower half of the level having been enlarged by the 18th century miner to accommodate his tramway. This solution channel has been mineralised by massive grey soft baryte, over 8ft wide in places, carrying galena. Sphalerite was once a constituent of the mineralisation, but this has now completely altered to hemimorphite. Several stops were made along the level to collect specimens.

Eventually we reached the area where Butler Vein is intersected by Wallclose Vein. A short climb up at the intersection took us into what 'appeared to be' a natural rock formation where red and yellow stalactites festooned the walls and on the floor were several pools containing black cave pearls (these are unusual, cave pearls are normally white). The photographers in the party spent some time here, others went to look at the old air shaft which connects with the 300ft level. We then retraced our steps to the main shaft, the floor of the shaft station was removed so that we could be lowered down to the bottom level. Once again we set off to the east, eventually turning to the south-east along a level which *seemed* to go on for miles Eventually a branch passage going south was followed for a short distance; here a 12in zinc vein was seen in the roof. The vein material consisted of sphalerite cementing limestone and calcite breccia with late baryte mineralisation infilling the remaining spaces. After collecting specimens we continued along the south-east branch passage, eventually coming to a halt on reaching a flooded shaft in the floor, but not having the necessary expertise to cross this obstacle safely we about-turned and made our rather weary way back to the main shaft to be winched up to the surface.

A very enjoyable but tiring 'field' meeting, we would like to go again! We were just getting our 'eye in' and I'm sure the next lump of baryte and galena would have been full of matlockite and phosgenite! Many thanks to John Jones and Albert Warsop for showing us 'their mine' and to the members of the Wirksworth Mines Research Group who made us very welcome, and a special thanks to Eddie the winch driver for a very smooth ride.

1" III SK 290554 – 293545?

BAGE VEIN, Wirksworth, Derbs

(= BAGE VEIN?) See BAGE MINE also

GS 6" map: NNW-SSE vein, carrying barium, lead, a little zinc, a very little fluorite.

Mem GS N Derbs (1887) 149 11[c] to Gulf Fault. Joins with Wall Close V.

1" III SK 20 74-5

BAGGALLY GROVE, Stony Middleton, Derbs

See also MAIN RAKE, etc.

N. Kirkham, Bull PDMHS 3 [6] 329 (1968) On Middleton Moor

1" III SK(18) 171_5 808_5

BAGSHAWE CAVERN, Bradwell, Derbs.

~~See also MULE-SPINNER MINE~~

C. Portens (1950), pp 57-67.

FAWinder (1938) p. 38. Plan, pp 46-7. Photo facing p. 42.

Farey (1811) Mule-spinner Mine, Bradwell in "3rd Lime". Lead, Bagshaw's Cavern in it, beautiful stalactites, etc.

Mem GS N Derbs (1887) 132 Close to E end of Moss Rake. Said to have yielded calamine [? smithsonite]

1" III SK(25) 285544

Baileycroft quarry, Wirksworth, Derbs.

6-in. map XXXIV SW 1924): the southernmost of Middlepeak quarries; disused,

RSWB, TBG, JRK. 1/64. IV, 56. Cavities, near entrance, lined with corroded limonitic dog-tooth calcite

1" III SK 28 54

BAILEY CROFT VEIN, Wirksworth, Derbs

See also BLACKMAN CROFT V.

Mem GS N Derbs (1887) 151 NW vein, worked under Wirksworth

1" III SK 21 68

BAKEWELL, Derbs.

Farey (1811) p 442-3 Quartz xls, imbedded in 1st Toadstone NW of Bakewell

p 279 or 443? Onxyes, NW of Bakewell

Rev. J. Magens Mello's list of minerals (Woodward, Midland Nat)

Gold. Traces said to have been found @ junction with toadstone, in Bakewell & in Millers Dale

(See also Mello, "Handbook to the Geol. of Derbs", 1875)

Lecornu (1879) Ann. des Mines Ser 7, 15 pp 5-53. Gold in toadstone

Mem GS N Derbs (1887) 166 Chert, quarried underground near Bakewell.

1" III SK(25) 2 5

BALD-MARE MINE, Brassington, Derbs.

Farey (1811): In "3rd Toadstone"; lead; white ore [cerussite]; ore in toadstone; ochre; china clay; gravel [!].

1" 111 SK (25) ~~288574~~

BALL EYE MINES Bonsall, Derbs. 285-6, 575 (I)

See also BALL EYE SOUGH, HOUGHTON'S PIPE, BALL EYE QUARRY, GOLDEN GAP, BRIARS HOLE, OLD BALLY'S VEIN, RUGS HALL VEIN, COBBLER M. & VEIN,

Also large quarry, & cave. See sep card.
See "British Caving"

Greg & Lettsom (1858). Wad.

According to P. Smith, Priv. Comm 3/61 this is COBBLER MINE (See sep card).

RSWB 4/10/59 Loc 214 weathered dumps at 288, 575. Giant calcite rhombs & scalenohedra. ~~[illegible]~~ Fluorite, some colourless; mostly purple — Cubes up to 1 cm, assoc. with barite and smithsonite in translucent colourless globules. (GR has the ?smithsonite!). Giant botry. smithsonite weathering to hydrozincite (IR)

Mem Geol Surv N Derbs (1887) 125, 149 Blackish dull galena ~~[illegible]~~ with high proportion of sulphur is argentiferous. 20 oz Ag / 22½ cwt. "Balls Eye M". Pipe outcrops 100 yds above Bonsal brook but slopes down to a level with the brook.

N. Kirkham Bull PDMHS 3 [3]

Farey (1811): In limestone. Much leaad; some silver; purple fluorite; bones?

P. Smith specimen (3/61): Calcite rhomb with chalcopyrite xls short, also acicular habit, included along a growth plane & altering to malachite xls along cleavage planes — c.f. Cromford Horst. RSLOB 3/61.
P. Smith says: 'lots of entrances to mine (ca. 150!); biggest by the Hermitage at top of hill. Owner = Priestley
("Has been up Cromford Level; stopped by gates")

J.S. Neil "Brit Mins" (1907), p44: Wad.

1M's 25" map. In this area are Houghton's Pipe; Calver Sough [= Ball Eye Sough]; Briar's Hole; Golden Gap; Old Bally's Vein; Rugs Hall Vein; Else Pipe; Bryn's Pipe.

L Hurt Bull PDMHS (1970) 4 [4] 289–305. Survey, Plans, maps etc.
Calcite galena, purple fluorite, baryte

BALL EYE MINES, Bonsall, Derbs (II)

Russell Soc Newsletter 20 (1990)

Level 7, Ball Eye Mines, Via Gellia. After a steep climb up the scree we visited the most promising of the levels on the Terrace (far right-hand end). Whilst most of us did not go all that far into the passages, some smithsonite on calcite was extracted and some decomposing galena was collected from a pillar in the main chamber. Interestingly this latter material was subsequently shown to contain wulfenite. It appears in two forms; the larger (1mm) as cream-yellow bipyramidal crystals and the smaller (0.2mm) as lustrous yellow bipyramids. Some hemimorphite has also been tentatively identified in association with the wulfenite. Although not previously reported from the mine, the presence of wulfenite is not that surprising given that it was reported some time ago from the adjacent Ball Eye Quarry (Bridges , T.F. *J.Russell Soc.*, 1983 Vol.1 No.2, p.48).

Ball Eye Mine, Bonsall. Members are advised that there is no longer any access to Ball Eye Mine. This is due to the extension of surface mining for fluorspar in the Ball Eye quarry and the proposal for underground working in the future.

The proposed workings will not directly affect Ball Eye Mine, other than that it will be used as a source of water for the processing plant at Dunsley Mill. The water will be extracted from the Founterabbey Sough.

RSN (1994) 24

Rothwell & Mason (1992), UKJMM 11 30-40

[F. Ince, pers comm 1990]: Wulfenite, waxy-brown x/s > 0.3 mm, with complex growth patterns, and elong. prismatic x/s [ident. microprobe]. Also yellow → orange-tinged bipyram. 0.2 → 0.3 mm in an abandoned adit.

BALL EYE QUARRY, Borsall, Derbs. SK (25) (I) 288 572

JM's 25" map shows "Black Hell Pipe" cutting NS through middle of Quarry

RSWOB, TBG. 10/63 IV 23-26; 56. Working 1st. quarry. calcite; chalcopyrite; malachite; ?rosasite; aurichalcite; baryte; a little fluorite, mostly colourless, some purple, with pitch associated; galena; cerussite; sphalerite; mostly altered to smithsonite; hemimorphite less common; limonite.

GR, GS, R.P. 2/65. Brochantite (IR); with fluorite; quartz with calcite; rosasite (IR)

RSWB, TBG, JRK. 1/64 IV 56: Mineralised rift exposed in SW corner with large calcite x/s, "dog-teeth"; baryte, "cawk"; galena; smithsonite, "drybone"; some cuprichalcite.

RSWB 30/11/72 Azurite with malachite and limonite in & on fluorite & goethite

RSWB 1/4/73 Anglesite, nat sulphur ◁▷ & sphalerite x/s in galena. Fluorite - yellow is purple edges Haematite. Quartz

JIWilson 3/77. Pyromorphite, small yellowish-green x/s.

BALL EYE QUARRY, Bonsall, Derbs (II)

T.F. Bridges (1983) J. Russell Soc. 1 (2) 48-51
"An occurrence of wulfenite, anglesite & native sulphur in the opencast above Ball Eye quarry, Cromford, Derbyshire". Well-developed xls of all 3 from a small flat of galena in an aband. fluorite working. Prob. from low pH condts, produced by ox'n of pyrite in a contemporaneous lava. [The wulf ident XRD]
Also Gearksutite, grotty white, with anglesite. See BMSN (2004) 68 p15

JIW, (1995). Boulders of solid massive goethite with baryte ("cawk", and also small colourless

platy secondary crystals), with malachite (good x/s!) in cavities, also patches cuprite surrounded by the malachite (1996) more good malachite in limonite gossan with small colourless crystals of secondary baryte & fluorite & chalcopyrite altering to "pitchy copper ore" [See RSWB 96-30, 31]

RSWB & JIW (25/2/99) Usual species + micaceous baryte (FTIR) on pillow lava, "onion-skins". In galena with baryte & fluorite, good thick-prismatic often pointed cerussite x/s & on one piece a little snow-white fibrous dundasite with the cerussite (FTIR 3/01)

T. Bridges D. Green (2005) J Russ Soc. 8 [2] 75-77 Gearksutite details

1" III SK(25) 285-6 576-5

BALL EYE SOUGH, Bonsall, Derbs.

See also BALL EYE MINE

Farey (1811) p328: Calver or Ball-eye Sough, SSE of Bonsal, in 2nd Toad; 3rd Lime, e 3rd Toadstone.

Mr Mort's (Barmaster's) 25" map shows "Calver Sough" at Ball Eye from HOUGHTONS PIPE at 285576, to ca 286575

N. Kirkham Bull PDMHS 3 [3]

L Hurt Bull PDMHS (1970) 4 [4] 289-305.

1" III SK (27) 223 758

BAMFORTH HOLE, Eyam, Derbs.

(= GIANT'S CAVE) See also CARLSWARK CAVE; NUT SCRIN WONDER SCRIN.

N Kirkham, Bull BMHS 3 [6] 329 (1968) = Giant Cave, the large opening above & separate from Carlswark Cave (qv)

1" III SK(26) 297611

Bank quarry, Matlock (Bank,) Derbyshire.

6-in. map XXIX SE (1923): disused.

SK 18 161$_2$ 806$_0$

BANK TOP MINE, Bradwell, Derbs.

DCC 2½" map labels "Bank Top" a mine or shaft at above loc, on Moss Rake.

1" III SK (35)

BARKERS FIELD MINE, Crich, Derbs.

Farey (1811): In "1st Limestone". Lead; crosses several veins.

1" III SK 2 6

BARLEY CLOSE PIPE, Wensley, Derbs.

Farey (1811): In "1st Limestone". Lead.

1" III SK(18) 1665 8120

BARLEY MINE, Bradwell, Derbs.

DCC 2½" map above loc. labels "Barley" a mine or shaft at

1" III SK(25)

BARLOW-FLAT MINE, Wirksworth, Derbs.

Farey (1811): NW of Wirksworth, in "3rd Limestone". Lead; calamine.

1"III SK(25) 295557

BARRELEDGE QUARRY, Cromford, Derbs.

Near Black Rocks. (Millstone grit).

1" III SK (25)

BARROW VEIN, Cromford, Derbs.

Farey (1811): In "1st Limestone". Lead: wayboards; hades very curiously; crosses GANG VEIN.

BARTON HILL QUARRY, 1" III Birchover, Derbs. SK (26) 241623

"BASE VEIN", Wirksworth, Derbs.

See "BAGE VEIN"

1"1" SK(16) 193$_5$ 658

BATEMAN'S SHAFT, Youlgreave, Derbs.

See also LATHKILLDALE VEIN; LATHKILLDALE SOUGH

Rieuwerts "Lyre" (1960) 3, 29: Access to Lathkilldale Sough.
Large shaft at Bateman's House.

1"111 SK 2928 5642 – 2930 5572

BATES SOUGH, Cromford, Derbs.

GS 6" (NS, 1961) map: 11[2] to Cromford Sough. From Dunrake Vein, S of Bedehouses, Cromford, to Gang Mine area.

BATH SOUGH, Matlock Bath, Derbs.

See Fountain Bath Sough.

1" III SK(26) 21,638

BEACON CROSS MINES, Harthill, Derbs.

GS Old Series 1" map (1852). At ca above map ref.

[NB = Bacon Close Mine, Youlgreave ???]

1"111 SK(27) 222 733

BEACON QUARRY, Gt. Longstone, Derbs.

BEANS & BACON MINE, 1" III Bonsall, Derbs SK(25) 255592

See also BONSALL MOOR; BLAKELOW MINE

Dunham (1952) p 104. Worked 1920-25. Fluorite.

OS 6" map: Fluorspar & Lead.

1" III SK(25) 288 588

BECK SHAFT, Matlock, Derbs.

Dunham (1952) p. 97-101 99: Map ; fluorite. 135' deep.

1" III SK(25) ~~SK9~~ 239545

BEE NEST MINE, Brassington, Derbs

OS 6" map: Lead + barytes

BEELEY MOOR, Beeley, Derbs

See HAREWOOD CUPOLA

1"111 SK 273532-282535

BELL'S SCRIN, Wirksworth, Derbs.

GS 6" map: ENE-WSW vein near Dream Mine

1" III SK 2 7

BENISON GROVE, Stony Middleton, Derbs

See also MAIN RAKE, etc; THORN TREE GROVE

N. Kirkham, Bull BDMHS 3 [6] 329 (1968) On Thorn Tree grove.

1" III SK(18) 166819$_5$ — 171819

BENNETTS SCRIN, Bradwell, Derbs.

DCC 2½" map labels "Bennetts Scrin" an ca. E-W vein at above loc, joining North side Bennetts Scrin at 166819$_5$, and Long Rake at 171819, where Long Rake is called Nunleyend Vein

1" III SK(36) 316613

Bentleybrook quarries, Bentley Bridge, (NE of) Matlock, Derbyshire.

6-in.map XXIX SE (1923):

1" 111 SK(25)

BIADS-BARN MINE, Wirksworth, Derbs.

Farey (1811): "n shale, shale-limestone, e" 1st Limestone". Lead.

1" III SK(07) 074770

BIBBINGTON WORKS, Chapel-en-le-Frith, Derbs.

6" map: Lime works, by railway, S of Dove Holes.

Large dumps visible from train.

BIG SHAFT, Wirksworth, Derbs.

See GREAT or BIG SHAFT

1" III SK(26) 243624

BIRCHOVER QUARRY, Birchover, Derbs.

1" 120 SK(14) 154 412

BIRCHWOODPARK STONE QUARRIES, Snelston, Derbs.

OS 6" map: Has "Old Trial Shafts" assoc. with it.
See also SNELSTON MINE.

Farey's List (1811): Birchwood Park, in Roston, in Limestone (in the Red) Lead; fluorite; green spar [?].

RSWB, 8/5/60; See Field Report, pp. 68-70. Loc 226. Limestone matrix, with numerous almost vertical veins, mostly trending SSE-NNW. Veins mostly calcite; or pink baryte, often friable, good cockscomb baryte in vughs. Calcite, var. dog tooth spar, orange stained, zoned. Fluorite, colourless cubes; chalcopyrite; v.g. but small malachite crystals. Quarry for roadstone, closed ca. 1957 as best stone below water table.

RSWB eTG 18/2/62 Vol I p 237-8 As above + copper pitch; champignon-like stalactitic calcite!

P.S. Jackman (1996) Bull PDMHS 13[1], 19-30. "The History, ... of Snelston mine.... Derbyshire"
Mineral list included with SNELSTON M. [q.v.]. Geology, history etc.

1"111 SK (35) 326552

BIRCHWOOD QUARRY, Wirksworth, Derbs.

1"111 SK(18) 157812

BIRD MINE, Bradwell, Derbs.

RSWB 1/5/60. Notes, p.64 Being worked over. Some shafts. Fluorite plentiful; calcite; some galena. 11E to Dirtlow Rake (calcitic) & only ca ½ mile away, but fluoritic.

DCC 2½" map. On Long Rake, (q.v.).

BIRDS HEAD MINE, Bakewell, Derbs.

1" III SK or 2, 6 or 7 (?)

Farey (1811): In "1st Limestone". Lead; the great Bakewell Fault crosses its N end.

1" III SK 2 5

BLACKBURN CROFT MINE, Wirksworth, Derbs.

J.S. Neil. "Brit. Mins." (1907): galena.

1" III SK(17) 197778

BLACK ENGINE MINE, Eyam, Derbs.

On Hucklow Edge Rake. (Dunham (1952) pp 93-94)

Dunham (1952), p.85: Map. p.95: Table. Fluorite; baryte; galena.

See also MOORWOOD MINE.

Mem GS N Derbs 137 mention.

1" III SK 2875 5740 - 288 572

BLACK HELL PIPE, Bonsall, Derbs.

JM's 25" map labels "Black Hell Pipe" a N-S vein at above loc., through Ball Eye Quarry.

1" III SK(17)

BLACK HILLOCK MINE, Tideswell, Derbs.

Farey (1811): Black-hillock, Tideswell Moor, in "3rd Limestone" & "3rd Toadstone". A trial.

Mem GS N Derbs (1887) 134. May be vent of toadstones, as toadstones not cut through after 100 fms.

BLACK HOLE MINE, Eyam, Derbs

SK(27) 204 773

Dunham (1952), p. 85: Map. pp 88-9: Description. Fluorite. An analysis shows Zn > Pb. On Black Hole Vein

Farey (1811): In shale e "1st Limestone". Lead.

Black Hole Section, MRO (1861) Detailed section of shafts e galleries. Most Westerly shaft being sunk in 1861

Black Hole Map, MRO shows "Black Hole Mine" at intersection of Great Sun Vein (= Black Hole Vein, qv) and Redpearns Founder Pipe. Western day path being reopened in 1861. Also shows Air gate from "Miners Engine Shaft" (= Old Twelve Meers Mine) to Black Hole.

Matham's Black Hole Map, MRO (1769). Details of mine galleries and connections to Little Pasture Mine and beyond.

Mem GSN Derbs (1887) 137 On B.H. Vein.

H. Winstanley (1/74). Gypsum - 3in. thick vein - ~~platy-x-line-sheafy~~ compact, micaceous,

1" III SK(27) 21x775

BLACK HOLE VEIN Eyam, Derbs.

See also BLACK HOLE MINE, LITTLE PASTURE MINE, OLD PASTURE MINE. CROSS LOW V. LADYWASH V. Dunham (1952) p85: Map. p88: Descrip. Fluorite, etc

Black Hole Map, MRO labels the above vein the "Great Sun Vein"

Matham's Black Hole Map, MRO (1769) labels the vein "Sun Vein". Map shows details of workings on the vein and some of its offshoots. Mines shown: Black Hole Mine; Little Pasture Mine; Old Pasture Mine.

Mem GS N Derbs (1887) 137-8. Runs from a little S of W from Highcliffe to the great chasm known as Waterfall, where it intersects Cross Low V.

1" III SK 3 6

BLACKLAND RAKE, Ashover, Derbs.

Geol. Surv. Summ. of Prog (1906), p7. Fluorite mine, reopened

See also STARRS WOOD MINES

Mem GS N Derbs (1887) 153 Fluorite

1" III SK 2854

BLACKMAN CROFT VEIN, Wirksworth, Derbs

See also BAILEY CROFT V.

Mem GS N Derbs (1887) 151 NW vein, worked under Wirksworth

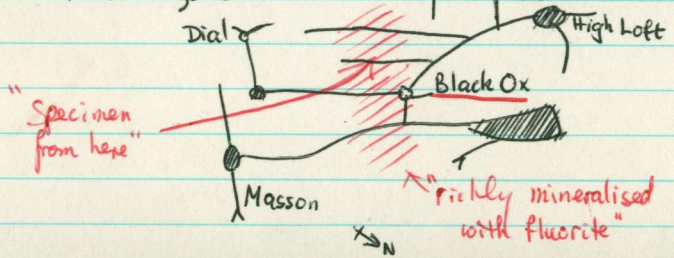
BLACK OX SHAFT, Matlock, Derbs.

1" III

SK(25) 290587

RSWB '60. Calcite plentiful. Part of Masson Cavern/High Loft Complex. See Dunham (1952) p. 44. 97-101. Map.

PSmith specimen (3/61) from near Black Ox shaft has galena, altering to ?anglesite & ?cerussite; smithsonite; fluorite, purple & colourless. Accdg to P. Smith this zone is richly fluorite-mineralised:



RSWB et al, II, 183 (4/11/62). Workings reached from Masson Cavern showcave via door. Good calcite, good colourless fluorite, clear cubes up to 2cm, some with included chalcopyrite.

1" 111

SK 26 55, 2656

BLACK RAKES, Middleton-by-Wirksworth, Derbs.

Large scale map ex Ike Wilson (10/94) shows a series of parallel NE-SW veins labelled "BLACK RAKES" from 265-6 559 → ~ 265 563

BLACK SHAFT Harthill Derbs

See HARTHILL

1" III SK 21 63

BLACK-SHALE-PITS MINE, (Youlgreave) Derbs.
Harthill pH

Farey, (1811): Black-shale-pits, Yolgrave, in "1st Limestone" & "1st Toadstone". Lead.

p. 329. Drained by HILLEARR SOUGH (q.v).

Mem GS N Derbs (1887) 143. PYENEST V, intersects [see HARTHILL] BLACK SHALE VEIN at CRASHPURSE SH. [qv] close to the reservoir. [SK21, 63,] B-Sh. V. runs W 10°N.

1"111 SK(26) 215652–239658

BLACK SOUGH VEIN Nether Haddon, Derbs.

See LONG RAKE (Youlgreave); RAPER PROSPECT.

DCC 2½" map: That part of Long Rake in Nether Haddon, from R. Lathkill to near R. Wye. The fluorite bearing portion

1" III SK(34) 349621 ?

BLACK-STONE SHAFT, Ashover, Derbs.

Farey (1811): In Overton, in Ashover, in "1st Lime"-s "Toad-stone" s "2nd limestone"
A trial.

Dunham (1952), p.105: May be shaft on BOOTH or HUNTS RAKE near E wall of Beck Lane, 1,100' ESE of Overton Hall, where large quantities of basalt can be seen. See also STARRS WOOD MINES.

1"111 SK(17) 133 7285

BLACKWELL DALE CAVE, Taddington, Derbs

1" III SK(27)

BLAGDEN MINE, Gt. Longstone, Derbs.

Riemvoerts; Bull PDMHS (1960) 1-[3], 3: Up Coombs Dale, above Sallet Hole, at Black Harry gate, could see position of Blagden Mine.

[Is this the old mine in Blakedon Hollow, opposite Black Harry House, at 201-2,742?]

BLAKELOW ENGINE MINE, Gt. Longstone, Derbs.

See LONGSTONE EDGE VENTURE

1" 111 SK(25) 25x59y.

BLAKELOW MINE, Bonsall, Derbs.

See also BEANS & BACON MINE; BONSALL MOOR.

Farey (1811): Near Bright-gate, Bonsal, in "2nd Limestone"? Lead; blende.

NB. Blakelow Hill, Bonsall Moor, is at 255594, (OS 6" map). ~~In~~ This area, GS 6" map gives "many lead veins & scrins, formerly worked"

1" III SK(16) 158629

BLAKE MOOR PITS, Hartington Middle Qr., Derbs.

OS 6" map: Clay pits.

BLITHE MINE, Alport, Youlgreave, Harthill. Derbs

See BLYTH MINES, Harthill

1" III SK 27 53 (?)

BLOBBER MINE, Wirksworth, Derbs.

Farey (1811): Lead.

Mem GS N Derbs (1887) 151. BLOBBER V., WNW, near Dream Mine.

1" 111 SK(27) 2_1 7_3

BLUE BELL MINE, Gt. Longstone, Derbs

Rieuwerts; Bull PDMHS (1960) 1 [3], 3: From High Rake [at 206732] along S. slope of Longstone Edge, passed Blue Bell Mine, Ash Nursery etc. to White Coe Mine. [∴ near 207-210, 730-1]

Mem GS N Derbs (1887) 139 On Ox Pasture Vein, which becomes TOR v. of Waterhole & White Coe M's, to E.

1" III SK 162 815

BLUE CIRCLE QUARRY, Bradwell, Derbs

RSN (2000) 37, 14. 11/6/00. Working. good fluorite, calcite

1" III SK(18) 132832.

BLUE JOHN MINE, Castleton, Derbs.

Dunham (1952), p. 110: Description. Fluorite, var Blue-John.

J. Sweet, MM 22, 257, (1930): Fluorite - "loc 2"

C. Porteous (1950), pp 41-46.

F.A. Winder (1938), pp 21 ff. Plan on p. 25. Photos facing pp 23, 28.

CJ Woodward "Mid. Nat" 4 (1881). Ref to Halls "Min. Dir" (1868). Asphaltum

TMH (1868), 55. Asphaltum

Peacock & Taylor (1966) Bull 25. Uranif-collophane [apatite]

Mem GS N Derby (1887) 161-2. Section p 162. Description
Fluorite.... nodular baryte; bitumen.

MacKenzie & Green (1971) MM 38 459-470 Blue John
RSWB, Flowers, Hazzeldine & Russell (1973) MM 39 401-411
Blue John
Holgate (1973) MM 39 363-366 Blue John

1" III SK(26) 221639

BLYTH MINES, Harthill, Derbs

OS 6" map: Lead mines

Farey's List (1811). Stanton-in-the-Peak: Blythe, in "1st Limestone". Lead; pyrites (or Brazil). [!].

BUT ALSO: BLITHE, Alport, Youlgrave, in "1st Limestone"; much lead; Black jack [blende].

NB. ~~Blythe~~ Blyth Mines & OS 6" map are nearer to ~~Alport~~ than to Stanton (not much, though!!!!)

Mem GS N Derbs (1857) 144 BLYTHE PIPE crosses Wheels Rake in [Ivy Bar] Brook.

1" III SK(36)

BLYTHE GROVE SHAFT, Ashover, Derbs.

See also CROOKED ACRE MINE; GREGORY MINE.

Gregory Mine Section, MRO (1801), shows "Blythe Grove Shaft" to (Cockwell) Sough in area of Crooked Acre Mine.

1"111 SK(26)

BLYTHE MINE, Stanton, Derbs.

Farey's List (1811): Blythe, Stanton in the Peak, in "1st Limestone"; lead; pyrites (or Brazil) [!]

NB Farey also gives: BLITHE, Alport, Youlgrave, in "1st Limestone"; much lead; Black Jack. [blende]

See sep. card: BLYTH MINES, Harthill, Derbs

1" III SK 2 5

BOGGARD or DON-PHILIP MINE, Wirksworth, Derbs.

Farey (1811): In "3rd & 4th Limestones". Lead in large cubes; cawk [baryte]. The great Limestone Fault crosses its E end.

1" III

SK 29 55

BOLE HILL, Wirksworth, Derbs

See also BAGE MINE.

TDF & WASS, PDMI (1964). Sulphur (G&L, 1858).

BOLUSTREE MINE, Matlock, Derbs.

See BULLESTREE MINE.

1" 111 SK (25) 266 559

BONDOG-HOLE or DOG-HOLES MINE, Wirksworth, Derbs

Farey (1811): Middleton by Wirksworth, in "3rd & 4th Limestones". Lead; ore in toadstone; cawk [baryte]; Very wide m "3rd Limestone"; a wayboard m "4th Limestone"; a cavern; stalactites; hades; squinted; a fault? deep, large hillocks of refuse vein-stuff.

Map (large scale, ex Ike Wilson 10/94)
BON-DOGHOLE MINE at 2662 5592
on E-W BON DOGHOLE VEIN

BOND'S VEIN, Wirksworth, Derbs.

1" III

SK(25)

Farey (1811): NW of Wirksworth, in "3rd Limestone"; gravel. [!!!?!]

1"111 SK(25) 257547

Bone Mill quarry, Griffe Grange, Hopton, Derbyshire.

6-in. map XXXIV SW(1924).

SRMRGB "Mn..."(1915,1916)p55: Golconda Mining Co. 6"34 SW, Lat 53° 5' 15", Long 1° 37'. Wad & Calcite dug at surface. Poor in quality & quantity.

1" III SK 28 58

BONSALL, Derbs.

Farey (1811) p 352 mentions lumps of copper ore in vegetable soil at Bonsal. Mr Pilkington's "View of Derbs" Vol I p 186; "Probably alluvial boulders not from Derbs".

Native zinc

Pilkington (1789; p 191) "in a cavity at Bonsall" - denied by Mawe (1802 p 98). If present, probably ~~produ~~ artifact. — TDF & WASS, PDMI (1964)
Also mentioned in Mem GS N Derbs (1887) 126.

Mem GS N Derbs (1887) 159 Acc. to Pilkington pieces of copper ore over 1 ft across have been found at Bonsal.

BONSALL LEYS MINE, Bonsall, Derbs.

See LEYS MINE

1"111 ~ SK(25) 26x57y

BONSALL MINES, Bonsall, Derbs.

OS 6" map: Lead. GMus. has aerial photo on exhibit (1960)

RSWB, GR, & GS 5/60 See Field Report. Ultranumerous shafts & barren limestone dumps. Like the surface of the moon! galena; calcite; fluorite.

GS 6" map shows numerous Read veins in this area.

Bonsall Leys Map (1854) (See Plans File) shows another set of veins, 11° to the above, in the area labelled Great Rake; Parson's Rake; Red Rake; Flixen Rake; & Massey's Vein.

Map shows "Old Level" & "Proposed Level" from

Gells Wood, Via Gellia, to Great Rake "Old Level" just below roadstone from $272_2\ 570_4$, ~~half~~ half way up valley side (ca 600' OD) to Great Rake at $271_6\ 571_7$ "Proposed Level" from beside road at $271_7\ 569_8$ to intersection of Great Rake and Red Rake at $270_2\ 571_4$, and is at ca 500' OD.

RSWB 16/12/60. Field Notes, p133. "Proposed Level" visible just by road as large entrance. Straight for at least 100'. Can hear falling water.

Simon Harrison, Spec → RSWB, 2/83 (83-23) From Via Gellia, ¼ ml NW of Goodluck mine [ie near 268 567] Nat. copper, traces; with cuprite, malachite needles

BONSALL MOOR, Bonsall, Derbs 1" III SK (25 I) 59

Greg & Lettsom (1858). Pyromorphite, green & yellow xls.

W Adam Brief Remarks on Geol of Derbs (1846) Lead phosphate occurs sparingly green, yellow, brown; former sometimes found beautifully crystallised.

Farey; Lysons (1811) Bonsall: Hang-worm; Ball eye; Blakelow; Bonsal-Leys; Fiery-dragon; Gorsey Dale; Porters'; Salters'-way; Slack; Stubben; White-low.

RSWB GR & GS 5/60 See Field report:

See Sep. cards

WHITELOW MINES Loc 235 Smithsonite; fluorite; calcite; limonite.

BONSALL MINES. Ultranumerous shafts & barren limestone dumps: galena; calcite; fluorite

Dunham p.104 (1952) BERNS & BACON MINE worked 1920-1925 : Fluorite.
See sep card

RSWB JRK. 10/64 IV, 143-4 Near ~~SK 2259 592~~ SK 259 592
Fluorite, deep purple, lilac, colourless; Ab pyromorphite (IR)
grass-green, some radiating; calcite; quartz;
galena, with traces anglesite.
Near SK 263 589, dump-diggings, trenching.
Fluorite, calcite, baryte, galena, some
pyromorphite.

→ 4/71 same area. galena cubo-oct → 2cm, with white rime cerussite (IR). yellow fluorite w purple edges

RSWB (5/70) 5 168 Around SK 249-250/593-595 many old shafts, dumps, & openings. Much well-xlised but weathered calcite; fluorite granular purple → c'less cubes; baryte, pink platy coatings & white "caulk". Traces galena

BONSALL MOOR, Bonsall, Derbs. (II)

J. Ike Wilson (1995) spec → RSwB (95-15)
Cerussite, tabular greyish x/s to ~ 1mm thickly coating a layer of galena on gritty matrix, with clear colourless fluorite cubes to 4 mm, also on the galena (but earlier than the cerussite)

JIWilson Pers comm. spec → RSwB (1996) About 40 ft down in new pit at 261 586 massive lumps heavy smithsonite w xl. surfaces in vughs

in goethite/"limonite" gozzan. [See RSOB 96-32].
Pit at 260 590 has pyromorphite.

1" III SK(25) 282574

BONSALL WOOD BASALT QUARRY, Bonsall, Derbs.

In Via Gellia

? Ibstock

1" III SK 163 728

BOOTH-LEE MINE, Brushfield, Derbs.

Farey (1811): 2m "2nd Limestone". Lead; blackwad; yellow ochre. Booth-Lee M., Brushfield.

J.A. Robey, Bull PDMHS (1967) 3 246:

Large open pipe-veins overlooking Litton Mill, at 163 728 – almost certainly BOOTHLEE PIPE VEIN and FLAT. Inside could see large masses of calcite lining walls & roof.

Below could see run-in STERNDALE SOUGH [qv].

SK 36

BOOTH ~~or HUNTS~~ RAKE, Ashover, Derbs.

See also BLACKSTONE SHAFT; STARRS WOOD MINES

1" III SK 284 569$_5$ - 287 571$_5$

BOREWASH VEIN, Cromford, Derbs

JM's 25" map labels "Borewash" a NE-SW vein at above loc., crossing Slintor Wood Vein, at Slinter Mine (056" map of 1877)

BOSTON VEIN, Peak Forest, Derbs. 1" III SK 1 7 (?)

Farey (1811): In "3rd Limestone". Lead.

1" III SK 1 6

BOTANY-BAY MINE, Hartington Middle Quarter, Derbs.

Farey (1811): Botany-bay, High Needham, Hartington, in "4th Limestone", Lead.

High Needham - SK 1165

1" III SK(25) 271538

Boulderflats mine, Wirksworth, Derbs.

6-in. map XXXIV SW(1924): see Yokecliffe Rake mines.

1" III SK 213-7 735-6

BOW RAKE, Great Longstone, Derbs.

See also DEEP RAKE

John Cooper RSN(1998) 32, 15-16. At 213 735, an offshoot of the High/Deep Rake system. Little to be found: fluorite, baryte, some fine small octa. galena covered w. cerussite xls.

JC RSN(199)34, 8. Being blasted. Fluor, ba, calcite; small ceruss xls; a TN clear c'less hemimorphite; trace aurichalcite; smithsonite.

RSN(1999)35 13. DEEP/BOW RAKE large current opencast for fluorite. Hemi, smiths, baryte

RSN (2000) 36, 26, Visit. Baryte, fluorite, smithsonite.

Cavendish Mill to close. End of era – Derbs spar mining.

1" III SK(26) 238648 — 229655

BOWERS VEIN, Stanton (e Nether Haddon) Derbs

DCC 2½" map: NW-SE vein from Long Rake (Black Sough Vein) at 229655 to near Bowers Hall in Stanton, at 238648.

Mem GS N Derbys (1887) 143 Seen in old wkgs on N side of road. Runs E43°S.

1"III Wirksworth pH SK(25) 2775 570

BOWLPIT MINE, Middleton-by-Wks, Derbs.

See also JACOB'S DREAM M.

OS 6" map: Lead mine, by Via Gellia. Part of MIDDLETON FLATS M's

Anon. (?) Priv Comm (1963) Azurite. Shaft with climbing rails still there. Further down into wood is a level, by a rim. Dug out but now filled in again.

Roy Starkey, Priv. Comm. (2/84).
Malachite in gozzan.
Spec → RSWB (23/2/85) has malachite, minor azurite, galena, baryte, in limonite-gozzan

Russell Soe Newsletter 20 (1990)

A ladder was dropped down one shaft (Bowl Pit Mine) and most of the party descended the damp 35-40ft. to a series of short levels. Most of the accessible areas were visited. Not a lot was to be found apart from some reasonable crusts of azurite. There was no trace of the smithsonite that previous visitors remember so well.

BRADHOUSE MINE, Wirksworth, Derbs.

See BROADHOUSE MINE.

1"=1" SK(17) 196778

BRADSHAW EAST MINE, Eyam, Derbs

On Hucklow Edge Rake.

Dunham (1952), p.85: Map. p. 95: Table. pp 93-4: Fluorite; baryte; galena. Dump exhausted.

1" III SK(17) 195778

BRADSHAW WEST MINE, Foolow, Derbs.

On Hucklow Edge Rake.

Dunham (1952), p. 85: Map. p. 95: Table. pp. 93-4: Fluorite; baryte; galena Dump exhausted.

1" III SK 17 81

BRADWELL, Derbs.

Ged Surv. Summ. of Prog. (1906) p7. Fluorite mines reopened at Bradwell: Shuttle Rake (Intake Dale mine to the east); Moor Furlongs; Virgin; etc.

Farey's list (1811) Hell-Rake; Moss-Rake; Mulespinner; Picture-end; Raddle-pits; Small-dale-head; Tanner's Venture (at Hazlebadge); Virgin; Wet-rake.

TDBe WASS, PDMI (1964). Sulphur (Mawe, 1802).

RSWB et al (1993) Min e Pet, 47, 255-261
Small amounts of orange platy material, similar to Mon Ba Al tetrasulphide-

hydroxide hydrate but not posit. identf.,
from BRADWELL [SMELTING] MILL.

1" III SK(18) 172 806

BRADWELL DALE CAVE, Bradwell, Derbs.

BRADWELL MINES, Wirksworth, Derbs.

See BROADHOUSE MINES

1" III SK(16) 176684 – 178681

BRAKE VEIN, Ashford, Derbs.

GE Bacon's Chart shows "Brake Vein" as short NW–SE vein at above loc.

BRANDY BOTTLE MINE, ~~Wheston~~ Tideswell, Derbs.

See ROYAL OAK MINE

1" III

BRASSINGTON, Derbs. ~~SK 2354~~ SK 23 54

Brassington Moor – well cryst. Anglesite (Gregg & Letsom, 1858)

Cerussite, pyromorphite (Gregg & Letsom) in green & yellow xls.

Geol Surv Summ & Progress (1906) p7. Lead mine reopened: Conway

Mem Geol Surv. N. Derbs (1887). White Mine nr Brassington: Cerussite.
Brassington.– yellow & red ochre

Farey's List (1811) Bald-mare; Cursed-Moor; Green-linner; Mears; Providence; Suckstone; Upper-Field; White Mine.

SRMRGB xxvi "Pb/Zn" p44. Cerussite in consl quantities in outcrops.
p80 great deposits cerussite. see "Wester Hollow Mines".

Farey (1811) p 442-3: Quark xls, loose in corn soil, on 4th Lime, on Brassington Common

Dr Simpson M/c Univ. ('62) Claypit being worked near Brassington have white steatite-like mineral (a spec in RSWB coll) shown by T. Deans to be YA Halloysite.

1" III SK 24 54

BRECK VEINS, Carsington, Derbs.

R.N. Tune. Bull PDMHS (1967) 3 249-252. Map shows BRECK VEINS radiating NE from Breck Hollow [SK 246 543]

1" III SK 0 6

BREIERLOW (MINE), Hartington Middle Qr.?

J.S. Neil "Brit Mins" (1907), Hartington; Breierlow. galena.
SK06 090 679? 0885 6790(?)

1" III SK 28655745

BRIAR'S HOLE, Bonsall, Derbs.

JM's 25" map shows "Briars Hole" at above loc.
Part of Ball Eye Mine?

1" III SK(06)088689

BRIERLOW LIME WORKS, Hartington Upp. Qr., Derbs.

1" III SK(27) 230733

BRIGHTSIDE MINE & SOUGH, Hassop, Derbs.

See also CALVER SOUGH, Calver

Farey, (1811); 9m "1st Limestone". Lead, lades S very fast.

Dunham (1952), p. 96: Sough at Red Rake Mine (see under "Calver") is at about 415' OD. Probably drains, & connects to, main level below Red Rake Shaft. Dumps largely exhausted

Riewerts Bull PDMHS (1960) 1 [3], 3: Outfall of Calver Sough (qv), visible from Brightside Sough tail. In 1782 Brightside Mine was being drained by a new Sough prob. B. Sough. B. Sough tail almost completely silted up, but keystone & part of arch visible. After 1782 Calver New S extended to B. Mine. B. Sough may = Calver Mill Sough (qv).

B. Mine: Huge drawing sh., 50 faths deep. Workings deeper. B. Mine is termination of B Sough but prob. all ground between here & Waterhole Mine drained by it. A little way past B. Mine on LHS of path an arched level leads back towards Harrybecca & White Coe Mines. Called New Castle Road on old plans.

D.C.C. 2½" map shows a sough from Brightside Mine at 230763 through Backdale M; North Cliff Sough Mine; & Red Rake Mine, to opposite church at Calver, at 242 745.

Mem GS N Derbys (1867) 139 51 fm deep. Drained by Sough to Calver village. Worked on many 2-3 in scrins of galena

BRIMSTONE-DYKE MINE, Ashover, Derbs

SK (36) 34 62?

Farey (1811): Brimstone-Dyke, Overton, Ashover, in "1st Lime." Much lead; a loose shale gulph. [?!]

1" III SK(25) 269552

BROADHOUSE or Bradwell mines, Middleton by Wirksworth, Derbs.
PH

6-in. map XXXIV SW (1924): lead mine.

6" Geol Survey Map: On Gang Vein.

GS 6" (NS, 1961). "Bradhouse Mine" "Last worked for baryte"

Mem GS N Derbs (1887) 150 BRADHOUSE M. on Gang V.

1" III SK (27) 211776

BROADLOW MINES, Eyam, Derbs.

Dunham (1952), p. 85: Map. On Hucklow Edge Rake.

Farey (1811): Broad-low, Bretton, Eyam, in shale & "1st Lime", Lead.

J.H.R. Bull PDMHS! [3] 10 (1960). Toadstone on tips. Termination of STOKE SOUGH [Stoke] q.v.

Black Hole Map, MRO shows "Broadlow Mines" as two shafts at above loc. on "Broadlow Vein" (= Hucklow Edge Rake).

Little Pasture Plan, MRO (1815) shows "Broadlow

Mines" on "Hucklow Edge Old Vein" (= Hucklow Edge Rake)

Mem GSN Derbs (1887) 137. Mention; long abandoned.

BROADLOW VEIN, Eyam, Derbs.

See HUCKLOW EDGE RAKE

BROAD MEADOW ENGINE Sh., Harthill, Derbs.

See HARTHILL

1" III SK(27)

BROOK-HEAD MINE, Eyam, Derbs

[= Littlebrook Head Mine, at 2235 7665 ??] See also BROOKHEAD SOUGH, LITTLEBROOKHEAD MINE, BULLHOLE PIPE.

Farey (1811): In Shale & "1st Lime" Lead; slickensides; petroleum in lime geodes in shale.

JHR. Bull PDMHS 1 [3] 10 (1960): Went up Hollow Brook to site of Brookhead Mine, on BULLHOLE PIPE & drained by BROOKHEAD SOUGH. Excellent purple fluorite on tips.

1" III SK(27).

BROOKHEAD SOUGH, Eyam, Derbs.

See also BROOKHEAD MINE, LITTLEBROOKHEAD MINE, BULL HOLE PIPE

JHR Bull PDMHS 1 [3] 10(1960). Drains BROOKHEAD MINE.

[? SK 223-4 762-7]

1"111 SK (27) 22 76

BROOMHEAD'S VENTURE MINE, Eyam, Derbs.

Farey (1811): At Riley, Eyam, in Shale e "1st Lime"; lead.
NB Riley is ca. ½m E of Eyam

1" III SK 231 630

BROWN BANK SHAFT, Stanton, Derbs

Mem GS N Derbs (1887) 142. By brook, 400 yds N of Eagle Tor. To Hillcar Sough [qv]

1"111 SK 233 597.

BROWNEDGE Winster, Derbs (I)

On WHITELOW RAKE (QV), SACHEVERAL FARM PIKE LINE OPENCUT

SRMR&B (Mn) (1915, 1916) p 55. Lat 53°8' Long 1°39' (? ca 234595?)

Shallow shaft. Wad, irregular, in pipes, flats, & pockets with ochre & some barite.

Lawson Priv Comm 2/62 See Vol II p3. "Load Mine" nr Winster has good pyromorphite

RSWB & TG. 16/5/62. Vol II p.55 Is @ 233 597. A little pyromorphite; ?wad; galena; fluorite incl. yellow; calcite; baryte incl. brownish radiating blades - very fine & lustrous (chemically & physically checked - specimens of this in M/C Mus are or were labelled "cerussite")

RSWB e PT 4/71 Being turned over – not v. successful as too mixed – not enough solid fluorite to be economical. Fluorite, mainly small blue cubes and granular massive – deep blue; calcite (some banded with haematite inclusions); baryte, cawk and radiating; galena – traces cerussite; haematite; limonite; "olivine" nodules (green) in altered toadstone

John Jones, Riv Comm. 1/75. This part of the vein marked on an old plan as GRIFSEL GROVE

BROWNEDGE, Winster, Derbs. (II)

RSWB & JIWilson, 6/92 Examined recent opencast workings near road junction, at 237 599 Much finely granular powdery deep purple fluorite in vein exposures, & some small colourless, purple & yellow crystals. Baryte common - cockscomb, no "Brownedge-type" radiating baryte seen. A little galena, some pyromorphite, ~~coating~~ fine-grained, coating galena & rarely cerussite (IR). Calcite xls.

= PIKE LANE OPENCUT qv

1" III SK 25 59

BRUNT MINE, Bonsall, Derbs.

J.S. Neil "Brit. Mins" (1907) p44. Bonsall Moor - Brunt Mine: galena.

SK 27 20ɴ 761-2.

BRUSHFIELD RAKES, Eyam, Derbs

See also WATER GROVE SOUGH (Foolow).

Map No. m MRO. "~~Water~~ Field Grove Mine" section shows "Brushfield Rakes, an old lead vein, worked formerly" at above ref., on Water grove Sough [Foolow] [qv]. Shafts in this part of Sough: RED ENGINE SHAFT, at 197761s; HILL GATES SHAFT, at 197s761s; EARNSLOW SHAFT, at 201761s; SMITHY GATES SHAFT at 202s761s; NEW GATES SHAFT at 206760s above HANGING FLAT LEVEL (at 206760); WELL SHAFT, at 209759s; & RED SHAFT at 209s759. Section shows PORT MAHON between Smithy Gates & New Gates Shafts; where sough appears to enter ? ore? in toadstone.

1" III SK 2854_8 5767 – 2858 5750

BRYN'S PIPE, Bonsall, Derbs.

JM's 25" map labels "Bryns Pipe" a NNW-SSE vein at above loc., ca. 11e to, e W of, Else Pipe; its S end near or in Ball Eye Mine.

1"/11 SK(35) 304574

BULLESTREE MINE, Matlock, Derbs.

G.S. 6" map: On MOLETRAP RAKE (See "MOLETRAP LODE").

RSWB 4/10/59. See Field Report, p 33. Loc 212. Gypsum ylS in sandy clay; ankerite on dolomite, with mineral pitch in crevices, in mudstone; blende common; galena rare; some chalcopyrite, good but small crystals.

GSS of P (1906), p. 7: Fluorite mine, reopened.

OS 6" map of (1877) Called OLD BOLUSTREE MINE

BULL HOLE PIPE, Eyam, Derbs

1"111 SK 2 7

See also LITTLEBROOK HEAD MINE, BROOKHEAD MINE.

JHR. Bull PDMHS 1 [3] 10 (1960). BROOKHEAD MINE on Bull Hole Pipe.

Dunham (1952) p87. Described under LITTLEBROOK HEAD MINE

1" III SK(18) 107815

BULL PIT, Peak Forest, Derbs.

F.A. Winder, (1938), p. 68.

1" III SK 2 5 (?)

BULL PIT MINE, Matlock Derbs

Mem GSN Derbs (1887) 159. A little copper ore was found in the Bull Pit Mine, Matlock, in the toadstone, but not in paying quantity.
[? = Bullestree mine]

1" III SK (17)

BULL RAKE, Tideswell, Derbs.

Farey (1811): Near Tideslow Top, Tideswell, in "3rd Lime". Lead.
NB. This is near TIDESLOW RAKE (See sep. card).

1" III SK(17) 174 731

BULL TOR CAVE, Little Longstone, Derbs.

1" III SK 150-152 724

BULL TOR MINES, Taddington, Derbs

J.A. Robey, Bull PDMHS (1967) 3 246 Map shows BULL TOR MINES at 152-2,724, on DOVE RAKE

1" 111 SK(07) 030 701

BURBAGE COLLIERY, Hartington Upper Qr., Derbs.

BURDET'S MINE, Wirksworth, Derbs.

See GOODLUCK (BURDET'S) MINE

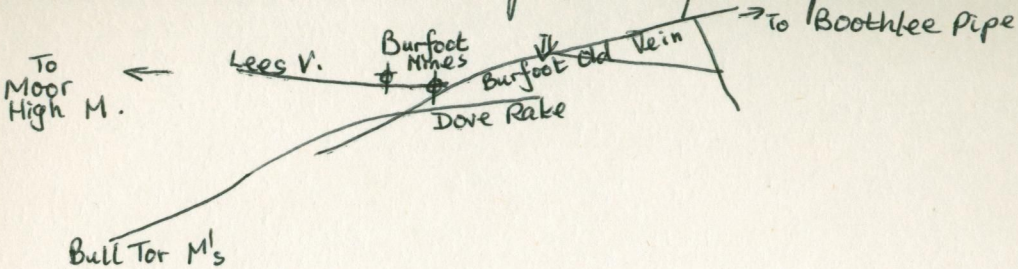
1"111 SK 156 727-
160 727

BURFOOT MINES, Taddington, Derbs.
e Brushfield

J.A. Robey, Bull PDMHS (1967) 3 246. Worked to at least 420ft depth (less than 100' above river level) on LEES VEIN, spasmod. throughout 18th cent. Some hillocks recently reworked, e "dry-bone" calamine [smithsonite] found. Mine at 156 727.

Map shows "Burfoot mines" at 156 727-160 72 near e at junction of Lees Vein with

Burfoot Old Vein. Adit shown nr 160 728
DOVE RAKE is m S part of complex.



1" III SK(07) 072 708

BURLOW WORKS, Burbage, Derbs.

OS 6" map: Lime works

1" III Aromd SK 205 755

BURNT HEATH MINES, Stony Middleton, Derbs

See also MAIN RAKE, etc., OLD COTTON GROVE; THORN TREE GROVE; VICTORY MINE, LEVEL.

N. Kirkham, Bull PDMHS 3 [6] 329(1968). Being worked by 1715, including Burnt Heath Grove, Thorn Tree Grove, & Old Cotton Grove — v. rich pipe veins. Drained by Victory Level

J.H. Rieuwerts Bull PDMHS 1 [3] 10(1960) VICTORY LEV., intended to pass under Burnt Heath, draining BURNT HEATH PIPE, to WATER GROVE

1" III SK(25) 276 564

Burrows mine, Middleton by
PH→ Wirksworth, Derbs.

6-in. map xxxiv SW (1924): lead, disused; N of Middleton

Farey's List (1811): In "3rd & 4th Limes". Much lead; pyrites; squinted.

1" III SK(27)

BUSKS MINE Calver, Derbs (or Hassop?)

See also CALVER / SOUGH.

Rieuwerts Bull PDMHS (1960) 1-[3],3: Calver Sough extended from Wren Park Mine, e in 1775 forefield in Busks title. In 1782 a valuation of Busks Mine said C.S. nearly to Deep Rake but all run in. Calver New Sough intended to drain Busks, e extended to Brightside?

BUXTON, Derbs.

1"111 SK(07) 06 73

R Garner, "Nat Hist of Staffs" (1844) pp 238 ff: "Ramose" barytes or brainstone, and calciferous, or stalactital, near Buxton (Derbs). Quartz: "Derbs diamonds" on the side of Grinlowe amongst fragments of cawk. The largest are under 1" long, perfect doubly-terminated.

Adam: Gem of the Peak (1845) p.301: Diamond Hill, Buxton: Quartz crystals, beautifully crystallised, in soil on low side to the westward. (See Sep. Card under "Burbage")

p. 331 Vg quartz xls, now in M/c Mus, ex dumps of Grin-end Mine (bauke mine) [see sep. card] Lots of "diamonds" in hollow between Grin Lowe Landman's Low.

RSWB 23/10/60 See Field Notes, p.127. Not a sniff!!

Farey (1811) p 442-3 Quartz vls near Buxton:

To S at Sherbrook (ie ca. 062 723) in 3rd Toadstone.

To SW at Counters Cliff and Grindon, loose in peaty soil on 4th Lime. ↓ = Countess Cliff, nr Diamond Hill, at 055710 ↳ probably = Grin Low, rather than Grindon, Staffs, at 0954

TDFEWASS, PDMI (1964). Presence of uranium in the spa waters noted by Peacock JD. Nature, (1961), 191, 1189 - St Anne's Well.

Forde Serj (1964) - Farey (1811), Stokes (1579) - Wad. Buxton Wells

BM. (A Russell Coll). Fluoride - "Counters Cliff, Derbs" [Countess Cliff].

BM. Fluorite; quartz - "Buxton"

1"111 SK(36)

BYE SHAFT, Ashover, Derbs

See also GREGORY MINE

Gregory Mine Section, MRO (1801) shows "Bye Shaft", adjacent to Forefield Shaft.

BYSWEEP VEIN, Matlock Bath, Derbs.

See GREAT RAKE, Matlock.

1"111 SK 17 60

CABIN MINE, Hartington Nether Qr.? Derbs.

A.H. Stokes "Econ. Geol. of Derbs" Cerussite found occasionally at Cabin Mine, Newhaven. Sometimes called "wheatstone"

On Stokes' Maps (1881) ~ SK 1760 near Newhaven junction.

1"111 SK 1/2 7

CACKLE MACKLE MINE, Gt. Longstone, Derbs.

Farey (1811): At Gt. Longsdon, in "1st Lime". Hard, Black Wad.

J.S. Neil "Brit Mins" (1904): Longston Moor: Cacklemackle: galena; baryte.

1" III SK. 2 6 — 279 595

CALF TAIL VEIN, Wensley, Derbs.

See also OLD CALF TAIL VEIN

JM's 25" map labels "Calf Tail" a N-S vein at above loc. Its S end is in Jug Holes, and it crosses Small Prophet Vein; Noon Nick Vein; & Hungerhill Pipe & joins Hunger Hill Vein at its N. end.

1" III SK (25) 286560

California mine, Cromford, Derbs.

6-in. map XXXIV SW (1924): lead, dis. Dean Hollow.

CALKE, Derbs

See ~~BRASSINGTON~~ DIMMINSDALE MINES (Leics)

SK25 266512

CALLOW QUARRY, Callow, Derbs.

1" III SK 2 6

CALOW MINE, Winster, Derbs.

Farey (1811): In "1st & 2nd Limes". Lead.

1" III SK 117 715

CALTON HILL QUARRY ~~Buxton~~ ~~Blackwell~~ Taddington Derbs (I)

GM. Amethyst on calcite from a breccia.
DA Wray "Peninines & adj areas" Analcime basalt
BM. Pelessite, black nodules in brown vesicular lava.
↓ ferruginous chlorite
P. Smith specs. good amethyst.

RSWB, 22/5/61, Notes, p179-180. Loc 250 Enormous toadstone quarry, in volcanic neck. Very muddy in wet weather. "Olivine" nodules. Vg calcite var dog-tooth spar, with baryte, often ferruginous. Beautiful quartz, vars rock crystal; smoky; amethyst; ferruginous aventurine; often in wood-shaped drusy vughs. Earthy ?haematite & ?wad. Qtz speckled with black nodules of ?pyrolusite? with Pink "zeolite"

(NO! = fibrous saponite v.infra)

goethite

M/c Mus. >Kutilated quartz ← ?palygorskite

RSWB, GR 29/7/61 (Vol I p189–191) As before + fibrous silicates; chlorite (good); ψ-cubic calcite; fibrous calcite (satin-sparry).

RSWB, TG. 29/4/62 Vol II, p.51. Wad proved; chalcopyrite.

RSWB, TG III, 101–2 (16/6/63) As above, also good chlorite x/s; good amethyst, goethite needles projecting from calcite & quartz, pyrite. Also III 105 (stoped block?) IV, 12, 129.

(4/67) 5 75 Lump of quartzite-like rock found near top of quarry, in NW part, with chalcopyrite alt'g to malachite & chrysocolla

IRS (1970) Pmk "zeolites" = baryte; orthoclase (?61); microcline! (lake gone!!)

CALTON HILL QUARRY, Taddington, Derbs. (II)

C.D. Curtis, Clay Minerals (1976), 11, [1], 85-89, 'Unmixed Ca^{2+}/Mg^{2+} saponite at Calton Hill, Derbyshire.

Coarsely fibrous veins, 1-5 cm wide, possibly ψ-after something else. Not microscopically fibrous.

A. Dyer, O.M. Wilson & B. Young (2001) J. Russ Soc I [2] 89

Natrolite, white to pale salmon-pink compact rad. fibr xline, completely filling ovoid vesicles >1cm in analcime-basalt. XRD, DTG

N. Bartlett, Russ Soc. N'letter (2000) 37, p. 3.

Olivine var "peridot", bright grass-green 1 mm gemmy crystal in olivine-basalt

A Dyer et al (2001) J. Russ Soc. 7 [2], 89

Natrolite filling vesicles, as white to salmon-pink compact rad. fibr. xline masses completely filling ovoid vesicles to 10 mm (XRD).

1"111 ~~SK 2475~~ SK 24 75

CALVER, Derbs

Farey's List, (1811): Calver-in-Bakewell: Dog-Rake; Peak-Pipe.

Mem. geol. Surv. N. Derbs (1887): Cerussite. p125

SRMRGB xxvi "Pb/Zn", 44( ): Cerussite in outcrops.

1" III SK 2 7

CALVER MILL SOUGH, Calver, Derbs.

See CALVER SOUGH.

Rieuwerts Bull PDMHS (1960) 1 [3] 3: May = Brightside Sough

CALVER NEW SOUGH, Calver, Derbs.

See CALVER SOUGH, Calver

CALVER OLD SOUGH, Calver, Derbs.

See CALVER SOUGH, Calver

CALVER SOUGH, Bonsall, Derbs.

See BALL EYE SOUGH.

CALVER SOUGH, Calver, Derbs

1"111 SK 24 74

Rieuwerts Bull PDMHS (1960) 1 [3], 3: Outfall visible ~~from~~ from Brightside Sough tail, e is in a private garden. In an old Reckoning Book (1744), C. Old S; C. New S; C. Mill S; which is which e where? C.S. prob. had branch under Calver Peak, indicated by line of 3 air shs. If main drainage level could be C. Old S e branch C New S, where is C Mill S? C.S. supposed to be driven to Wren Park Mine in Coombs Dale but in 1775 agreed to extend to drain Busks M, Backdale M, Froggatt Grove e Brightside M. In 1775 Forefield in Busks title, taul in Derwent. In 1782 a valuation of Busks M says level almost to Deep Rake but all run in. C. Old S is prob. C.S. e made to drain Calver Sough Engine M. e Peak Pipe. e poss. Wren Park M. Later a branch, C New S, to drain Busks, but extended to Brightside M C. Mill S may = Brightside S.

Mem GS N Derbs (1887) 138. To NW from the dam
of Calver Mill

1" III SK(27)

CALVER SOUGH ENGINE MINE, Calver, Derbs.

See also CALVER SOUGH

Riemwerth Bull PDMHS (1960) 1 [3], 3: "Calver Old Sough" is probably Calver Sough, made to drain C.S. Engine Mine etc. Extended 1775.

CALVE-STONE MINE, 1" III, Tideswell, Derbs. SK (17)

Farey (1811): Calve-stone, Tideswell Moor, in "3rd Lime". Lead; ore in toadstone.

1" III ca. SK(16) 130625

CARDER LOW, Hartington Middle Qr., Derbs

(See also LUDWELL MINE, Hartington Town Qr.)
See also HARTINGTON

Farey (1811): Corder Low, nr. Ludwell, Hartington, in "4th Lime". Hades 1 in 3.

1" III SK 222 758

CARLSWARK CAVE & PIPE, Eyam, Derbs

See also BAMFORTH HOLE, NUT SCRIN, WONDER SCRIN

N Kirkham, Bull PDMHS 3 [6] 329 (1968). From 1730 to early 19th Cent = CHARLESWORK. Some discussion, esp. on drainage. "C. sough" of doubtful existence. ["Bamforth Hole" probably = "Giants Cave", the large opening in the cliff above Carlswark Cave & separate from it.] William Wood in 1843 called Carlswark "Caels or Gaels Work". Story of skeleton of murder victim found in the cave ca 200 yrs ago. On map, p 339 CARLSWARK

PIPE shown, from SK ~~222~~ 222 757 to SK 218 759

CAROSK VEIN, Wensley, Derbs.

See OLD CALF TAIL VEIN.

1" III SK 2 5

CARRION-HOLE MINE, Cromford, Derbs.

Farey (1811): In "1st Lime": lead; Black Jack [blende]; hades S.

1" III SK(25) 24 54

CARSINGTON-HILL MINE, Carsington, Derbs.

Farey (1811): 3/4 m NW of Carsington, in "4th Lime". Lead; calamine; manganese.

CASTLETON, Derbs.

1" III SK 15 83

GR (1956). Dumps of obl Pb mine at 128 (S) 734 SW foot of Mam Tor not far from road. Dumps e shafts. Much fluor; baryte; galena; blende. Coll'd 1" pale purple fluorite cubes assoc. w. cockscomb baryte

Upper Odin Mine (GM)

Road excavations @ 147829, Castleton. Limestone with large yellow dog tooth calcite; purplish fluorite; dolomite rhombs.

GM. Earthy smithsonite

RSWB Field report, p.63 (5/60) Hydrocarbons, incl elaterite (best loc = Windy Knoll quarry); Blue John; fluorite; smithsonite (Odin Mine – see cards); calcite; galena.

See cards

Dunham, Fluorite, 109 (1952) 9√

Mawe. "Min. of Derbs (1802) Calamine to the E of Castleton at Red Seats in several rake veins.
Facing p45 Peculiar" diagram of Castleton area" !!!

TDFe WASS, PDMI (1964) Sulphur (Mawe, 1802). Uranium in bituminous limestones, (Ponsford (1955) Bull GS 10, 24), e in the Russet Well (Peacock, J D, Nature (1961) 191 1189)

W. Lieber (1994) Lapis 19, 13-22 "Der Blue John-Fluorite"

1"111 SK(26) 218 647

CATHOLE VEIN, Youlgreave, Derbs

DCC 2½" map: A short NE-SW vein crossing Lathkill R. just W of Alport

Mem GSN Derbs (1887) 143. Crosses R. Bradford near Rhienstor, 400yds above Alport Bridge.

CATLOW RAKE, Calver, Derbs. 1"/III SK(27) 234 740

Dunham (1952), p. 96. Reached from Red Rake Mine level 1,550' from entrance. Up to 18" wide but carries good flats along bedding planes of limestone walls, one 22' wide & 2½' high. Also reached from Red Rake main level (100' below adit); and from North Cliff Sough, at 540' S of Red Rake (and @ 550'OD) (& ca 150' above workings from Red Rake). Carries fluorspar; galena.

Rieuwerts Buss PDMHS (1960) 1 [3], 3. Red Rake adit (1851) driven up vein to intersection of Dog & Catlow Rakes. V rich, with flats.

CATSTONE VEIN, Bonsall, Derbs.

See ~~Great~~ GREAT RAKE, Matlock

1" III

SK (35)

CAULK MINE, Crich, Derbs.

Farey (1811): "m" 1st Limestone"; lead.

CAVENDISH MILL Stoney Middleton ~~Eyam~~ SK 177 781 Derbs.

P. Braithwaite, BMSN ('03) 64 26-7. Spec's donated to BMSColl, 2310 → 2364, from "Cavendish Mill dump" at 177 781:
Anglesite, baryte, calcite, cerussite, fluorite, galena, greenockite, gypsum, "marcasite/pyrite", sphalerite, Smithsonite, quartz, wulfenite.

1" III SK 2715 5708 – 2730 5702

CAVERN VEIN, Bonsall, Derbs

JM's 25" map labels "Cavern" a WNW–ESE vein at above loc., near or on the Old Level of the 1854 Bonsall Leys map (see Plans File).

OS 6" map shows "Cavern" here.

RSWB 16/9/1960 Notes, p133 Cavern or level visible by road, (The "Old level" is higher up the hillside) at 2735705 in a short cleft. Appears to be dry.

1"111 SK(26) 29x605

Cawdor quarry, (NW of) Matlock, Derbyshire.

DERBYSHIRE STONE Co. See also SEVEN RAKES MINE; STATION QUARRY

6-in. map XXIX SW (1923): bottom RH corner.

RJK, Priv Comm, 1960: Superb hemimorphite, rosasite etc on dumps of dressing plant. Material NOT from this quarry, but collected from many localities

RSWB 8/60 On dressing plant dumps, material of all kinds eg excellent cerussite. calcite; galena; fluorite. Near "Megdale" just below the dressing plant at junction of old (Station) & new quarries, two adits, presumably on Seven Rakes Vein, ~~were~~, are exposed.

Dunham "Fluorspar" (1952) p102: "Seven Rakes Mine", in the Eern or Station quarry worked for limestone. Old lead workings revealed. Fluorite; a little galena.

1" 111

SK(25)

CAWK VEIN, Cromford, Derbs.

Farey (1811): "1st Line." Lead; calamine; cawk; crooked; crosses GANG VEIN six times!.

1" III SK(18) 158 801

CHANCE MINE, Bradwell, Derbs.

GS Old Series 1" map (1852) shows "Chance Mine" at above map ref.
[on Earl Rake, qv]

1" III SK 2455 or 2554

CHANCE MINE, Hopton, Derbs.

See also UPPER GOLCONDA M.; GOLCONDA M.

Mem GS N. Derbs (1887) 152. CHANCE M. on a NW pipe 600 yds SE of GOLCONDA MINE [could be upper Golc. M.], ~~[illegible]~~

1" III SK(25) 286 563

Chance mine, Cromford, Derbs.

6-in.map XXXIVSW (1924): lead, dis. Dean Hollow

KSWB, 12/6/60. See Field Report, p 100: Above Dean Hollow, by Don Rake
Quick look: nothing found.

1" III SK(16)

CHAPEL-DALE MINE, Flagg, Derbs.

Farey (1811): In "3rd Lime". Lead; whiteore [= cerussite]; clay wayboards.

1" III SK(17) 148 785.

CHAPMAIDEN MINE, Tideswell, Derbs.

On MAIDEN RAKE?

Farey's List (1811). On Tideswell Moor. In "3rd Lime"; Lead; Toadstone.

Mem GS N Derbys (1887) 132 Baryte. Short vein ca W 5°S. Virgin mine is near.

1" III SK(25) 25255I

Chariot mine, Griffe Grange, Hopton Derbyshire.

6-in.map XXXIV SW 1924): Lead, disused.

CHARLESWORK, Eyam, Derbs

See CARLSWARK CAVE

1" III SK(18) 153_3 821_3

CHATSWORTH MINE, Carleton, Derbs.

DCC 2½" map labels a shaft or mine "Chatsworth" at above loc on a vein of the Dirtlow Rake complex.

1" III SK(17)151795 – 163799

CHEETHAM VEIN, Bradwell, Derbs.

DCC 2½" map shows "Cheetham Vein" at above loc. Mines or shafts upon it include Windy Knowle or Pereril; Walker Grove; Labs Venture; Inkerman; Daily Bread. Woodack Vein joins it at Windy Knowle.

1" III SK 282 600

CHEETOWNS VEIN, Wensley, Derbs

JM's 25" map labels "Cheetowns" a small N-S vein at above loc.

SK 41 32 SK 33 1" 120,121 6" Derby 55 SW

CHELLASTON, Derby, Derbs (I) SK(32) 38-39, 29-30

Also ELVASTON and (TETBURY — (? Tutbury, Staffs)

See also ASTON-upon-TRENT

Bottley specimens: Vivianite - Chellaston Hill

Rutley, 15th Ed., p87. Gypsum

Mawe, "Min. of Derbs" (1802) p83 Gypsum in cavities in argillaceous grit near Derby, as at ELVASTON, CHELLASTON, & TETBURY.
SK 41 32

Spec Rep Mm Res GB Gypsum & Anhydrite (1918):

p15 ALABASTER QUARRIES, CHELLASTON. ¼m E of Chellaston Church.
Alabaster; fibrous gypsum. 3830

p17 ASTON GLEBE (CALIFORNIA) MINE, Chellaston. ½ m ESE of Chellaston Church
Alabaster; gypsum, in Keuper Marl 3830

3830

p17 WOODLANDS BRICKPITS and OLD PLASTER MINE, Chellaston. A few hundred yards N of woodlands. S part of woodlands brickpits connects with Old Plaster Mine.

CJ Woodward "Mid. Nat". 4 (1881) Ref to Halls "Min. Dir." Chellaston Hill- alabaster; gypsum; satin spar; selenite.

TMH (1868), 55 ↑

RSWB 13/8/61 See Field Notes, p. 201-2. Alabaster; satin spar; small xls selenite.

AT. Metcalfe. Tr Fed Inst Mining Eng 12 (1896), p. 104. "Gypsum deposits of Notts & Derbs."

CHELLASTON, Derbs. (II)

ME Smith, (1994) "Vivianite from South Humberside and Yorkshire, England". J. Russell Soc. 5 [2] 119-120.

A small specimen of blue earthy vivianite on clay from Chellaston is in the Sheffield City Mus (1971, 644)

1" III SK 223 757

CHEWEN'S SHAFT, Eyam, Derbs.

G. Frost's copy of G. Maltby's plan of Victory Level (1872) shows a shaft near Victory Level, at ca. 223757, labelled "Mr S. Chewen, of 39, Lee Rd., Hayfield (via Stockport) is sinking a shaft (here) and hopes to strike the old workings. He mines for fluorspar. At present, shaft is 50' deep." This note may be dated 4.2.57 – when the plan was copied by G. Frost.

N Kirkham Bull PDMHS 3[6] 329 (1966). Sunk by Mr Sam Cheuwin in 1956 to 60ft. to old mans workings.

1m

III SK/06

Chrome Hill, Derbs.

*Rieuwerts, Bull.PDMHS,1966,3,34.

"Sough Level... near Croom Hill" (old document; no details).

*The Lyre 1960,3,60. Hydrology of upper Dove valley.

Chrome Hill Cave (small), on N side of hill, 074673, at 1150 ft OD. Visible from Dowel Farm.

Chrome Hill Rift, west of the above, at 072674, 1200 ft OD. A 60-ft rift and crawl.

Sinkhole above Swallow Dale, at 067677, 1175 ft altitude. Uninteresting; a stream emerges a few hundred ft below.

Swallow Tor Cave, at 065678, 1000 ft OD. Uninteresting.

Swallow Dale swallet, below Stoop Farm in the scarp at 063680, altitude 1150 ft.

Stoop Edge Hole, at 061685, at 1425 ft. Opened up 1957, 50 ft deep, uninteresting.

Pickers Pit, just west of Greensides Farm, 068685, 1225 ft OD. There are more sinks to the north.

Stony Low swallet, 069682.

? unfinished

no; probably finished, but can't remember.

CHURCH MINE, Crich, Derbs.

See CHURCH RAKE

1" III SK(35)

CHURCH RAKE, Crich, Derbs.

See also OLD END MINE

Farey (1811): In "1st Lime"; lead.

GeolSurv Summ Prog (1906) p7. CHURCH MINE, reopened for fluorsp

CLARK VEIN, Castleton, Derbs.

See KIRK or CLARK VEIN.

1"111 SK 1 6 (or 5)

CLAY-PIT-DALE MINE, Hartington Town Qr., Derbs

Farey(1811): Near Hartington; in "4th Lime"; lead; china clay; gravel [!]

1" III SK(18) 129804

CLEAR-THE-WAY MINE, Peak Forest, Derbs.

OS 6" map. At junction of OXLOW & DIRTLOW RAKES

See also CLEAR THE WAY MINE, Tideswell. (Possibly identical)
[Farey (1811): On Tideswell Moor in "3rd Line. & 3rd Toad." Lead).

1"111 SK (17)

CLEAR-THE-WAY MINE, Tideswell, Derbs.

Farey(1811): On Tideswell Moor; in "3rd Lime & 3rd Toadstone" Lead.

[May = Clear-the-Way Mine, Peak Forest, at 129804. (See sep. card)]

1" III SK(35) 34x55y.

CLIFF QUARRY, Crich, Derbs.

RSWB, GR, eGS 28/5/60. (Mentioned in Note, p 87.). Limestone quarry. Prominent feature of landscape.

1" III SK 13 83

CLIFF SIDE MINE, Castleton, Derbs.

Dunham (1952), p. 110. In Treak Cliff. Exact loc. lost.
Blue John was all dark blue. (Adam (1846))

Farey's List (1811) N. of Winnets Dale, in "4th Lime"; lead; coloured fluors.

1" III SK(27) 224 759.

CLIFFSTILE MINE, Eyam, Derbs.

See also CLIFFSTILE SOUGH.

On Moorwood Sough (see sep. card).

Farey (1811): In "1st Line"; lead.

J.H.R. Bull PDMHS 1 [3], 10 (1960): MOORWOOD SOUGH stopped at Cliffstile Mine many years (eg in 1823), later extended to GLEBE & towards HAYCLIFF M.

Cliffstile Mine has two 11" pipes, PAUL PIPE and ASHTON'S PIPE, which run a few feet apart up to GLEBE SHAFT. MOORWOOD SOUGH along sole of ASHTON'S PIPE. A branch of Moorwood S., called VICTORY LEVEL started from Cliffstile in the 1840's to go up DIRTY RAKE.

N. Kirkham Bull PDMHS. 3 [6] 329 (1968) Cliff Vale shaft was 286 ft deep to Moorwood Sough. Mine drained also by Frosts Sough

Mem GS N Derbys (1887) 138. Drained by Moorwood Sough

1" III SK 20? 7a?

CLIFF STILE RAKE, Stony Middleton Middleton Moor, Derbs

[NOT ≠ CLIFF STILE M, Eyam]

Mem GS N Derbs. (1887) 138 On Middleton Moor; runs ca W 20° S; long abandoned. Baryte.

1" 111 SK(27)

CLIFFSTILE SOUGH, Eyam, Derbs.

See also CLIFFSTILE MINE, MOORWOOD SOUGH, DALE GROVE SOUGH; FROSTS SOUGH.

J.H.R. Bull PDMHS 1 [3], 10 (1960): JHR has seen agreement for Cliffstile Sough, dated 1739. Possibly the original MOORWOOD SOUGH (q.v).

N Kirkham, Bull PDMHS 3 [6] 329 (1968) Mention.
Refers to: [redacted]

J H Riemwents, Bull PDMHS 3 [1] (1966) List of Derbs soughs

1" III SK(17) 1945 761 5

CLOSE HEAD SHAFT, Foolow, Derbs.

See also WATER GROVE SOUGH, WATER GROOVE PIPE.

MRO Map : On Water Grove Sough, near ASHMORE FLATTS

COAL HILLS QUARRY, 1" III, Wirksworth, Derbs SK(25) 284552

RSWB 12/6/60 Field Notes, p 99: Limestone, disused. In E wall, shaft (recently worked?) with fine grained dumps, with baryte; calcite; limonite; fluorite, mainly colourless; a little purple; a little galena. Dumps & shaft are at $285_3\ 553_0$ — possibly the Greymare Mine (see sep. card)

1" III Bath. SK (25)

COAL-HOLE RAKE & PIPE, Matlock, Derbs.

Farey (1811): On Masson, Matlock, in "2nd Lime"; lead; roof fallen.

[Probably = COAL-PIT RAKE qv. 287582 – 301589 to R. Derwent. Devonshire Cavern & the adit by the bridge over the Derwent are on this Rake.]

1" III SK(18) 100811 (Rake)

COALPITHOLE MINE, Peak Forest, Derbs

See also COALPITHOLE VEIN

Farey's List (1811). "Castleton: Coal-pit-hole" m. Perryfoot, in "4th Lime". Lead.

Marked on OS 6" map at SK 092813 & 096812

J. Reeves Bull PDMHS (1969) 4 119-136. Main drainage level for 3/4 mi along vein, emptying into an undergrd swallow, repaired in 1870's

1" III SK(18) 100 811 – ca 113807

COALPITHOLE VEIN, Peak Forest, Derbs

See also COALPITHOLE MINE

DCC 2½" map labels "Coalpit Hole Vein" a vein at above loc., the extension of this vein to the E of 113807 being labelled "Watts Groove Vein"

Mem GSN Derbs (1887) 131 No 1 shaft, in Perry Dale (SK ie in 1080) E part known as Watts groove or Grove.

1" III SK(25) ex. 287582 - 301589

COALPIT RAKE, Matlock Bath, Derbs.

See also DEVONSHIRE CAVERN; KEYCROSS VEIN; WRAGG MINE; GILDROY MINE; FOUNTAIN BATH SOUGH; DOVEDALE VEIN.

GS 6" map. Ca E-W Rake, carrying Pb, F, at above loc.

GSS of P, (1906), p7: Fluorite mine, reopened at Matlock

JM's 25" map labels "Coal Pit Rake" an ca. E-W vein, in two parts, from junction with Stubbin Low Vein at $282_5 5857$, crossing Catstone, to junction with Superfine Vein at $286_8 583_8$ then at ca above loc. A Section near 287582 is labelled "Cumberland Upper Title"

A S. branch which rejoins (ie. ⟶), ~~at ca~~ is labelled "Coalpits" at ca. 295585, and "gilder" at a crossing of veins at $2925 584_3$

COALPITS VEIN, Matlock Bath, Derbs.

See COALPIT RAKE

1"111 SK(26) 228611

COAST RAKE MINE, ~~Winster~~ Elton, Derbs.

Pb Mine. (OS 6" map). IS in ELTON parish

See also COAST or WHITEHOLMES RAKE, Elton;

Farey (1811): In Shale & 1st Lime"; lead; a fault; crosses many veins; wood [!!]; gravel [!].

RSWB & TG, 16/5/62. Vol II p. 55. Fluorite; baryte; vg calcite.

Mem GS N Derbys (1887) 144 Coast Rake near side of Coast Rake Mine, said to have blende; & galena, var. "steel ore". At intersection with PORTAWAY VEIN [qv]. = ELTON MINE.

1"111 SK(26) 203609 – 243617

COAST OR WHITEHOLMES RAKE, Elton (& Winster, & Birchover) Derbs

See also ELTON LEAD MINES; COAST RAKE MINE ("Winster"); YATESTOOP MINE; & SOUGH (Birchover).

DCC 2½" map: Vein from 212607 (Elton Lead Mines) to Yatestoop Mine at 243617. Coast Rake and Yatestoop Mines on this rake.

GS maps: 1" old Series map continues vein from ~~203609 W~~ from 212607 W to 203609.
6" New Series. Yatestoop Sough seems to follow line of vein continued towards ENE.

Mem GSN Derbs (1887) 144 Fault vein, 11° to Long Rake of Youlgreave & like it, forms N boundary of a mineralised area, cutting off

the veins to the S. Runs E 14° N from Gratton Dale, almost under Elton Church, to White Holme [237 614] from which sometimes called White Holme Rake.

Area drained by YATESTOOP SOUGH [qv] except W extremity which has a sough into Gratton Dale

Earlier drained by LOUSEY LEVEL [qv]

Near intersect. w. PORTAWAY V. [ie near SK 228 611, COAST RAKE MINE] said to have blende & galena var. "steel ore".

1" III SK 287576 – 288575

COBBLER CLOSE VEIN, Bonsall, Derbs

JM's 25" map labels "Cobbler Close" a NW-SE vein at above loc, by Cobbler Mine. This vein coincides with part of a fault shown on GS 6" map (the N fault of the horst).

1"111 SK(25) 288$_5$ 575

COBBLER MINE Bonsall, Derbs.

See also BALL EYE M/G, RUGS HALL V, COBBLER V

Near Ball Eye Quarry - see sep. card

P. Smith, Priv. Comm (3/61). Cobbler Mine is the loc at 288$_5$ 575.

RSWB 4/10/59 Loc 214. See Field Notes p34-5; 50. Weathered dumps. Giant calcite rhombs & scalenohedra; fluorite, some colourless, mostly purple – cubes up to 1cm assoc. with baryte & smithsonite, translucent colourless globules. giant botryoidal smithsonite weathering in layers to hydrozincite (checked by I/R) with traces included chalcopyrite altering to % traces of ? aurichalcite.

JM's 25" map. At this loc is intersection or near intersection of Cobbler Vein; Cobbler Close Vein; Cowper Pipe; Rug's Hall Vein.

1" III SK 287575 — 296575

COBBLER VEIN, Bonsall (& Matlock Bath) Derbs.

See also OLD BALLY'S VEIN; RUES HALL VEIN; COWPER PIPE.

JM's 25" map labels "Cobbler" an E-W vein at above loc., its W end in Cobbler Mine and at its E end continues as the "Moletrap Lode" (Matlock) of GS 6" map.

1"111 SK(15) 192573

COBBLERSNOOK QUARRY, Ballidon, Derbs.

1"111 SK(18) 102812s

COCKSFOOT MINE, Peak Forest, Derbs

DCC 2½" map shows three shafts on a short E-W vein just S of the Perryfoot – Castleton road at Perryfoot, labelled "Cocksfoot Mine".

1" III SK (36)

COCKWELL MINE, Ashover, Derbs. 35 61 ?

See also COCKWELL SOUGH.

Farey (1811): Cockwell, Mill-town, Ashover, in Shale e "1st Lime"; Lead.

1"111 SK(36) 35 61

COCKWELL SOUGH, Ashover, Derbs

See also COCKWELL MINE, GREGORY MINE, OVERTON MINE; CROOKED ACRE MINE.

Farey (1811) p328: SSE of Ashover, 1m long from the Amber to Milltown in 2nd grit, 1st coal, 1st grit, shale, 1st Lime & toadstone; continued to GREGORY & OVERTON MINES

Gregory Mine Section, MRO (1801) shows a Sough, presumably Cockwell Sough, from Woolley Moor to Cockwell Water Wheel Shaft (1660 yards) where 12 fms deep, then to Gear Shaft, via Perkin's Shaft, Haslam's Shaft, Blythe Grove Shaft, Short Furlong Shaft, Gregory's Shaft, an unnamed

shaft, Water and Gear Shaft – where branch to Overton Mines; Old Gear Shaft, Old Water Shaft, and Old Fire Engine Shaft.

Mem G SN Derbys (1887) 153 GREGORY OR COCKWELL SOUGH, from R. Amber a short distance above Woolley Bridge, nearly 1 mile below Cockwell [Woolley Bridge, SK 3695 6085], drained GREGORY VEIN's shallower parts. A branch for 800 yds N along E side of Fall Hill to drain MILLTOWN & FALL HILL M's, with intention of reaching TOWNHEAD V. Another N branch from Gregory Vein drains OVERTON M's.

Stokes' Map (1881) In SK 35 61

1" III SK(36)

COCKWELL WATER WHEEL SHAFT, Ashover, Derbs.

See also COCKWELL MINE; CROOKED ACRE MINE; GREGORY MINE.

Gregory Mine Section MRO (1801), shows "Cockwell Water Wheel Shaft" in area of Crooked Acre Mine. Depth to (Cockwell) Sough 12 fms, below this, 12 fms 3ft — lift by ~~wheel~~ wheel to Sough, 12 fms 3ft. Wheel set to work in 1774. Sough 1660 yds from here to Woolley Moor. Below the shaft are the words "Towns-end Toadstone Level"

(D) 1" III SK 248 5450

CONWAY MINE, Brassington, Derbs.

Geol Surv. Summ of Progress (1906), p. 7. Lead mine, reopened.
CONWAY MINE

R N Tune, Bull PDMHS (1967) 3 249-252. Map shows CONDWAY MINE at 248 5450 on NE extension of BRECK VEINS

CONWAY SHAFT, Wirksworth, Derbs

See MEREBROOK MINE

1" III

SK(27) 233747.

COOMBSDALE QUARRY, ~~Stoney Middleton,~~ Derbs. Calver

1" 11' SK(18) 1685 808 - 171 809

COOP or SOUTHFIELD VEIN, Bradwell, Derbs

DCC 2½" map labels "Coop or South field" a short vein at above loc., parallel to the Portaway section of Moss Rake.

1"111 SK(17) 135 799

COP MINES, Bradwell, Derbs.

OS 6" map: Lead mines

Mem GS N Derbs (1887) 132 On Cop Rake

CORDER LOW, Hartington Middle Qr., Derbs

See CARDER LOW

1" III SK(25)

CORNEL RAKE, Matlock Bath, Derbs.

Farey (1811): 9m "2nd Lime"; lead; calamine.

1" III SK(25) 265568

COTTERHOLE QUARRY, Bonsall, Derbs

Near Bonsall Mines,

Counters or Countess Cliff, Buxton

See Diamond Hill, e Buxton

1" III SK 24 54

COURSE HILL MINE, Carsington, Derbs.

J.S. Neil, "Brit. Mins" (1907) At Carsington Pastures. Galena.

1" III SK 22 60 (7)

COW-CLOSE MINE, Over Haddon, Derbs

cf COW CLOSE PIPE, Elton

Farey (1811): E of Over Haddon, in "1st Lime."; lead.

1" III SK(26)

COW-CLOSE PIPE, Elton, Derbs.

See also COW-CLOSE SOUGH. ≠ COWCLOSE M., over Haddon

Farey (1811): 9m "1st Lime."; lead; toadstone floor; 60 yards wide!

1" III SK (26)

COW-CLOSE SOUGH, Elton, Derbs Tail 2235 6140

See also COW-CLOSE PIPE,

Farey (1811), p 328: NW of Elton, ¼ m long, from the Brook, in Shale & 1st Lime.

1" III SK(17) 16757790

COW PASTURE MINE, Gt. Hucklow, Derbs

DCC 2½" map shows "Cow Pasture" at above loc, just to N of High Rake.

1" III SK $287_5 574_8$ - $287_6 583_5$

COWPER PIPE, Bonsall, Derbs

VM's 25" map labels "Cowper Pipe" a N-S vein at above loc, near Cobbler Mine

1"111 SK(17)

COWSLOP MINE, Wardlow, Derbs. 18 74

Farey(1811): E of Wardlow village, nr. Tideswell, in "1st Lime"; lead.

[probably on ~~SEEDLOW~~ WHITE RAKE, qv]

1" III SK 2 7

CRACKING-WHOLE RAKE, Eyam, Derbs.

Farey (1811): "in "1st Limestone". Lead; slickensides.

[NB. CRACKNOWL QUARRY, Hassop (see sep cards) has old shaft in it, is at SK 27 215704, & may = this loc.]

SK(27) 215 704

CRACKNOWL QUARRY, 1" Hassop, Derbs.

OS 6" map: Has Old Shaft in it.

NB Farey (1811): "Cracking-whole Rake, Eyam: In 1st Limestone; Lead, slickensides" [May or may not be this loc.!]

1" III SK 21 63

CRASH-PURSE MINE, (Youlgreave) Derbs.

[NOT= CRASH-PURSE V., Ashover – see OVERTON V.]

Harthill pH

Farey (1811): In "1st Lime." Lead.
p329: Drained by HILLCARR SOUGH (q.v.).

Mem GSN Derbs (1887) 143. CRASH PURSE Sh. at intersection of Pyenest e Black Shale [q.v.] veins, close to the reservoir [SK 21, 63,]

CRICH, Derbyshire. (I) 1" III SK 3 5

See also GLORY MINE

OLD END MINE. Good xls of ~~fluor~~ (AWGK) See sep card.

WAKEBRIDGE MINE. See sep card. Good xls of fluor; witherite (AWGK; 1943, new loc.), cerussite, anglesite. (AWGK)

Gregg & Letsom (1858): cerussite + well crystallised anglesite at Crich.

Geol Surv. Summ. of Progress (1906) p7 Fluorite mines reopened at Crich: Glory; Church; Hope; Bacchus; Pearsons Venture; Plaistow Field. Lead mines also reopened.

Farey's List (1811). Bacchus-pipe; Barkers-field; Caulk; Church-Rake; Crich-Cliff; Crooked-Rake; Hard-Rake; ~~Hazelhurst~~; Hazlehurst; Pearsons Venture; Raven Tor; Rowbottom; Woods.

RSWB, GRe.GS 5/60 See Field Report, p 86-7. Locs 232, 233 vg Fluorite; calcite; vg galena; anglesite, cerussite in galena; good barite See sep cards.

TDFe WASS, PDMI (1964) "Tiger Stone" is banded fluorite with baryte from Crich etc.

Mem GS N Derbs (1887) 154-5. Veins became poorer downwards. Some Blue John occurs in Crich Hill, but not enough to be marketable.

CRICH, Derbs (II)

Rothwell & Mason (1992) UNJMM 11 30-40
A single transparent pale brown elong. bipyr x' of wulfenite on fluorite coll by M. Rothwell in 1982, idnt microprobe, from 345 554, in CRICH QUARRY.
[See also GLORY MINE]

RSN(1999) 35, 13. CRICH Qy SK 345 550. L'st, tuff etc. Iron oxides. Galena, fluorite, baryte, sphal. Galena richest on lower bench. cerussite; purple fluor

J Wilson MJ Colledge, RSNOB. (1995) J. Russ Soc. 6, 48-9

Wulfenite (and), fluorite, baryte, cerussite, nat. sulphur, calcite, quartz, galena

RSN (2000) 37 10. CRICH Q., 3/6/00. 4 benches currently: Bench 2 had veins with fluor Ca, Ba, traces gal. One vein domin. by gozz Fe oxides w. a few slender x/s gypsum, e assoc. in clay gouge was "locally abundant azurite"-rich masses, occas small x/s. Bench 3 barren Lowest bench, No. 4: 25cm galena v., ceruss. in past p 14; 10/6/00. As above + a little powdery malachite.

RSN (2001) 38, 25. Visit; mineral list :- Fluorite, various colours, most abund. gangue; baryte, galena, pyrite, calcite, ceruss, azur found June 2000, wulfen, angles on lowest bench

Derbs.

CRICH Q.

Russell Society Visit to Crich Quarry, Crich, Derbyshire - 10th April 1999

Geology

The quarry exposes about 160ft (50m) of massive bedded grey Carboniferous limestone of the Matlock Group, which are Visean of D2 age. The Crich anticline, forming the inlier of limestone surrounded by younger shales and sandstone of Namurian age, is well exposed within the quarry.

Several clay wayboards occur within the limestone sequence, these represent decomposed tuffs and readily weather producing streaks of iron oxides on quarry faces. Many of the wayboards are thin, upto 1m thick, however a much more prominent tuff has recently been exposed in the floor of the quarry and is of unknown thickness. The contact between the tuff and limestone is very irregular and is not easily explained. The tuff effectively determines the lowest level that can be worked in the quarry.

Immediately to the southwest a major fault, the Crich fault, downthrows about 120m (400ft) in that direction and imparts a high dip to the western limits of the main anticline exposed in the face close to Crich Stand.

Numerous mineralized fissures displaying little or no displacement are exposed within the quarry, with some more substantial veins visible. The veins are dominated by fluorite-baryte with locally abundant galena, especially on the lowest bench.

Mining and Quarrying

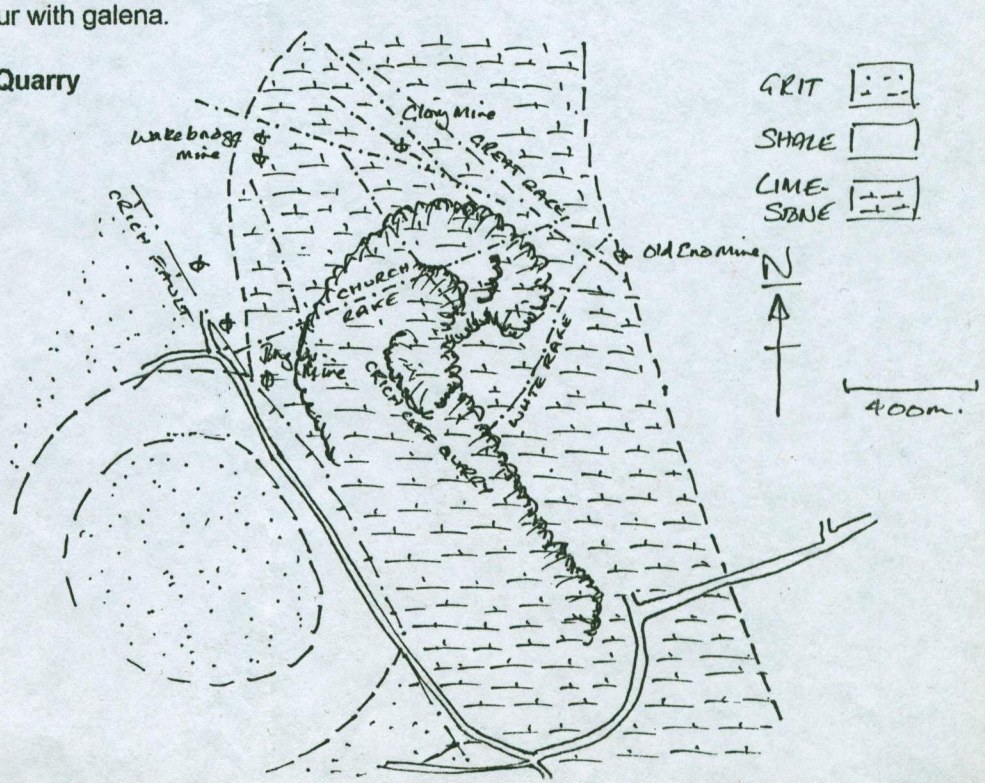
A major landslip occurred in July 1882 when quarry waste engulfed Pearson's Venture and Rodney Mines. Following one landslip the road below the quarry and several cottages were buried. Several mines were worked in the area, of the most important were Jingler Mine where the headgear has been preserved over a 19th century shaft, Wakebridge Mine, Glory Mine and Old End Mine. The last period of activity took place in the 1940's when fluorspar was being sought.

Mineralization

Both primary and supergene minerals are present, though the latter are sporadic in occurrence

Fluorite	Most abundant as pale blue to deep purple opaque cubes, upto 5mm. It also occurs more rarely as pale yellow cubes to 15mm.
Baryte	Cockscomb masses on fluorite, frequently iron stained. White crystalline baryte often occurs filling cavities in the centre of thin fluorite veins.
Galena	A vein of galena (to 30cm) is presently (February 1999) exposed on the lowest bench. It is massive displaying no crystal faces, but is associated with some supergene mineralization.
Pyrite	Common in the tuffs where unweathered, and occasionally occurs as good cubic crystals in association with calcite.
Cerussite	As small (<2mm) crystals in association with massive galena.
Wulfenite	Reported to occur with galena.

Geological sketch of Crich Quarry



Lionel Burch,
March 1999

1" III

SK (35) 3455?

CRICH-CLIFF MINE, Crich, Derbs.

See also WAKEBRIDGE SOUGH.

Farey (1811): NW of Crich, in "1st Lime." Lead; yellow transparent fluor; clay wayboards.

CRICHMAN SHAFT, Matlock, Derbs. 1" III SK(25) 288,589

Dunham (1952) p 97-101 Map; Fluorite

Farey (1811): CRICHMAN-PIPE, on Masson Hill, in "2nd Lime". Lead.

1" III SK(35)

CRICH SOUGH, Crich, Derbs.
=FRITCHLEY LEVEL

Farey (1811), p 328. E of the town, from Fritchley [35x53o], 2m long, in Shale & 1st Lime. CRICH SOUGH

Mem GS N Derbs (1887) 154-155. FRITCHLEY LEVEL, entrance dated 1753 from a brook near Fritchley, to OLD END MINE [qv]

1" III SK(25) 275559

Croft mine, Middleton by Wirksworth, Derbs.

PM

6-in. map XXXIV SW (1924): lead, disused.

Geol Survey 6" map: By Gulf Fault

Mem GSN Derbs (1887) 161 Much baryte yielded.

CROMFORD, Derbs

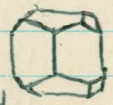
1" III

SK(25) 2957

See other cards also, eg:

Greggie Lettsom (1858) Sulphur small perfect highly modif. xls in galena nr. Winkesworth & Cromford at Bole Hill.

Anglesite, nr Cromford, in small yellow xls → with phosgenite (∴ Bole Hill?)



Wright found matlockite & phosgenite near Cromford:
The matlockite in decomp galena w occas. phosg. in one of air shafts of an old level nr Cromford (Bole Hill?). One xl 2" across. V. few spec's., prob. no more.

Matlockite. MM 23 587. As above and from "old heaps of mine at Cromford". ① Sq tabular, colourless → pale amber "up to 1" sq". ② Stumpy double pyramidal ½" across. ③ Hemisph. rosettes or flat aggregs of platy xls. In cavities of galena & compact baryte ("cawk"), both sometimes altered. Assoc. w. phosgenite, anglesite, cerussite, blende, & colourless fluor.

BM: Cerussite, matlockite.
Rutley, 15th ed., p 184, anglesite.

Carruthers & Strahan. Spec. Rep. Mm. Res. Gt. Brit., 26 (1923)

Cromford Sough, starting at Cromford market place, runs to GANG MINE etc near Wirksworth.

Meerbrook Sough, from Derwent 3/4 mi above What stand well bridge to Hag Wood (a shaft) to Bole Hill (a shaft) to Meerbank Sough Mine. Begun 1773, still driven 1811. Since then driven to 100 yds S of Wirksworth Church.

Farey's list (1811). Adventure; Ash-cross; Barrow; Carrion-hole; Cawk; Dovestone-leys; Gang; Goodluck; Greenway-field; Heading-vein; Meers Tinley; Venture.

TDF & WASS, PDMI (1964) ~~Coll~~ Cotunnite, ~~Mf~~ (Mawe, 1802) at Cromford. Klaproth (1803); Bannister (1934).

1" III

SK 299 571

CROMFORD CUPOLA Lead smelter, Cromford Derbs (I)

R Lamb (1991) given a few samples of slags "from Cromford Cupola" found in river ~50 yds due W of church; by outflow of tunnel on S side of river, at 299, 571. Examined by RSWB. Contain c'less bevelled plates ⊓ & rectangular, in sheaves, of TRICL. $BaS_2O_3 \cdot 2BaO$ (FTIR 10/91), also ORANGE striated ψ-hex blades (Unchecked)

J. I. Wilson (12/91) collected large number of samples from the above site and for a distance downstream. Many

species present. Species checked by FTIR: Calcite (looking like phosgenite!) baryte some orange (looking like hemimorphite!); gypsum dullish white indistinctly crystalline (striated) crusts; triclinic $BaS_2O_3 \cdot BaO$; orth. $BaS_2O_3 \cdot H_2O$ gismondine-Ba (New species

RSWB; AR Kampf, RG Pritchard & RPH Lamb. Mineralogy & Petrology (1993) 47 255-261 [species as above]

Unchecked: Litharge crystals like those from other slags, bass. with pearly white crusts prob hydrocerussite. Dark green flaky ? chlorite ; colourless bipyramidal mineral like that from Matrick, Yorks.

CROMFORD CUPOLA, Cromford, Derbs (II).

RSWB, A. Dyer, R.P.H. Lamb e J.I. Wilson (2001) J. Russ. Soc. 1 [2], 83-85. "gismondine-Ba, a zeolite from the weathering of slags"

1" III SK(25) 297561

Cromford and High Peak quarry, S of Cromford, Derbs.

6-in.map XXXIV SE

On Cromford Moor. Millstone Grit?

LEVEL or 1" III SK(25) 295, 568₂

CROMFORD SOUGH, Cromford, Derbs (I)

GS 6" map. From Cromford to Gang Mine then along Gang Vein to Samuel Mine.

Carruthers & Strahan, SRMR6B 26 (1923) Starts at Cromford Market place & runs to Gang Mine etc. near Wirksworth.

Greg & Lettsom (1858) "Cromford Level Mine, nr. Matlock" [= Cromford Sough?] Cerussite "formerly" in dark brown twinned xls on Galena. → see sep. card.

Greg. Matlockite at "Level Mine, Cromford". Phil Mag, ser 4, vol ii, p 120

BM: Matlockite – CROMFORD LEVEL – type specimens.

Mawe; "Min. of Derbs" (1802) p 52. Cromford Sough.

P.T.O.

RSWB 6/3/60. See Field Notes, pp 49-51. Photo, p. 53. According to a native, water from "Black Rocks Mine" ~~Remembers~~ remembers it being ~~traversed~~ from there, also ~~remba~~ remembers the water being used to turn a water wheel at the Old Arkwright Spinning Mill.

Farey (1811): Under GANG MINE (see sep card), gives "Water-wheels in the Sough under-ground." [Presumably Cromford Sough]

Stokes, A.H. Trans Chesfld & Derby Inst Ming Eng. 8, 67, (1881). ~~Water used~~ "Seen from Whatstandwell-Cromford railway. Lies SSW of Cromford" [this is prob. Merebrook Sough – RSWB]. Water used to turn wheel in Gang Mine (q.v.)

See Plan of 1777 in Plans File

Cont'd (2)

CROMFORD LEVEL ~~MINE~~, "Cromford" Derbs

~~SK 25 295 568~~ II

See BAGE MINE, Wirksworth; CROMFORD SOUGH, etc..

Gregg & Lettsom (1858). "Nr. Matlock." Cerussite occurred "formerly" in very fine xls – dark brown twinned xls on galena "CROMFORD LEVEL MINE"

BM: Matlockite (type specimens)

["Level Mine" probably = BAGE MINE, Bolehill, Wirksworth].

Greg. Matlockite found by Greg at "Level Mine, Cromford

Greg. Phil. Mag. Ser. 4, vol ii, p. 120 (1851). "Mr Wright ... from old heaps of the level mine at Cromford nr. Matlock .... phosgenite, and also a new ore ... "matlockite"."

[NB. Gregs address given as "Norcliffe Hall nr. Wilmslow, Ches".

SRMRGB 26 (1923), 44. Refers to Greg's paper above.

Mem GS N Derby (1867) 149. From nr. Cromford Market Place to gang Meetings. Farey (p 329) says warm water, cost £30,000.

CROMFORD LEVEL or SOUGH (~~2~~). Cromford, Derbs. (III)

Farey (1811) p328. SSW of the town, to gang & other mines in Wirksworth, 2m long, in shale, 1st Lime & Toad; 3rd Lime & Toad, & 4th Lime. Much Warm water. Cost £30,000 driving, has now water-wheels in it.

1"III SK(25) 291557

CROMFORD MOOR MINE, Cromford, Derbs.

~~See also~~ GANG MINE & VEIN etc.

OS 6" map: Lead mine.

RSWB, 7/2/60 See Field Notes, p. 46. Big calcite rhombs; cockscomb baryte.

On GANG. V. between Gang and God-be-Here mines

RSN(2000) 36 26 Visit. gal, sphal, fluor, baryte, calcite, hydrozincite – none of good quality.

1" III SK(36)

CROOKED ACRE MINE, Ashover, Derbs.

See also GREGORY MINE

Gregory Mine Section MRO (1801) shows "Crooked Acre Mine", drained by (Cockwell) Sough from Gregory Mine. In this area are Cockwell Water Wheel Shaft, Perkin's Shaft, Haslam's Shaft, Blythe Grove Shaft.

1" III SK(35)

CROOKED RAKE, Crich, Derbs.

Farey (1811): In "1st Lime". Lead.

1"111 SK(17) 185732

CROSSDALE HEAD MINE, Gr. Longstone, Derbs.

Farey's List (1811). "Gr. Longstone: Cross-o'-th'-dalehead" in "1st & 2nd Limes". Lead.
[Probably = this loc.]

Mem GS N Derbs (1887) 130 Ca 70 yds S of High Rake, near its W end [?= Watersaw Rake] Shaft 60 fm to toadstone. Calcite from opencast in the vein, 200 yds W of Crossdale Head M.

1"111 SK(17) 19x769

CROSS LOW VEIN, Foolow, Derbs.

~~See also LADYWASH VEIN, Eyam; BLACK HOLE V.~~

Dunham (1952), p. 85. Map. p 94 Descriptions. Dumps being worked in 1948 west of Black Hole Mine; also dumps W of Foolow village. Fluorite, presumably!!

Farey (1811): CROSSLOW RAKE, Foolow, in "1st Lime"; lead; a large cavern.

~~See also under "Eyam"~~

Mem GS N Derbs (1887) 137 From Foolow to Dustypit mine, where divides into 3.
p 161 Botryo, some x-line.

1" III SK(16)193638

CROSS FLAT-WORK, Middleton & Smerrill, Derbs.

Farey (1811): Cross Flat-work, Middleton by Yolgrave, in "1st Line".
Lead.

OS 6" map: "Crossflat Plantation" at 193638 has "Old Lead Mines".

1" III SK(25) 29, 58,

CROSS RAKE, Matlock, Derbs.

Farey (1811): Cross-Rake, High Tor, in "1st & 2nd Limes"; lead; calamine.

1" III SK(36) 315628

Cuckoostone quarry, near Matlockmoor farm, Matlock, (Matlock Moor,) Derbyshire.

6-in.map XXIXSE (1923):

1" III SK (25) 293577

CUMBERLAND CAVERN, Matlock Bath, Derbs. (I)

*See also WILLCOCK'S FOUNDER VEIN; COALPIT RAKE, WAPPING MINE; SPEEDWELL CAV. & MINE, ROYAL M; HOPPING PIPE M.

Confused with Rutland Cavern by Geol. Survey! ∞ Mem Geol Surv. (1887)

"Cumberland Upper Title" is part of Coalpit Rake, q.v. (J.M.).

Greg & Lettsom (1858) Aragonite of a green colour. Smithsonite. Plumose & acicular gypsum.

Lecornu. Ann des Mines (vii) 15, 5 (1887). A few specimens copper yielded. [presumably chalcopyrite].

C. Porteus. Caves & Caverns of Peakland (1950) Royal Cumb. Cavern reputed opened to visitors since 1780. No records about early mining, though said to have been mined intermittently for over 300 years. There is a record that mine still worked ca. 1860

Carruthers & Strahan. Spec Rep. Min Res. Gt Brit 26 (1923) (Geol. Surv).

"Cumberland or Rutland mine produced lead ore, calamine

seems cribbed from Farey (1811)! see below.

some copper, and iron carbonate. The pipe is said to range towards Moletrap Mine" [& crib also Mem GS (1887)]

JM's 25" map. shows Willcocks Founder Vein, through Cumberland Cavern

Adam "Gem of the Peak" (1845) p 76:

Farey (1811) p. 257: "Cumberland (or Rutland Mine)" at Matlock Bath, in 2nd Limestone, lead, calamine, some copper, and carbonate of iron, capillary gypsum, clay waybboards, a cavern, roof fallen.

D. Nash Tr. Cv. Ren. 9 p. 5 [1], 13, (1957). "Not to be despised" – nearly horizontal; a continuation of Wapping vein, ie total run of nearly 1000'.

AH Stokes "Econ. Geol. of Derbs"

Farey (1811) p 352 A few specimens of Copper Ores from Cumberland Mine, Matlock.

Copper ore.

CUMBERLAND CAVERN, Matlock Bath, Derbs. (II)

RSWB, etc. 1/65. IV, 157 See Wapping M.

Mem GSN Derbs (1887) 148-9. "The Cumberland or Rutland Mine" – lead ore, calamine, some copper, & carbonate of iron (Farey p.256) Pope said to range towards the Moletrap M. (Farey, p. 75)

CUMBERLAND UPPER TITLE, Matlock Bath, Derbs.

See COALPIT RAKE

1"111 SK(25)

CURSED-MOOR MINE, Aldwark, Derbs.

Farey (1811): Cursed-Moor, nr. Aldwark, N of Brassington, in "4th Line"; lead; white ore [=cerussite].

1" III SK near 217 76x?

CUSSY (CUSSIE, CUSSEY) RAKE SOUGH, Eyam, Derbs

N. Kirkham, Bull PDMHS 3 [6] 329 (1968). In the Delph(?)

1" III SK(17) 1595 799

DAILY BREAD MINE, Bradwell, Derbs.

DCC 2½" map shows "Daily Bread" at above loc., on Cheetham Vein.

1" III SK 1 7?

DAILY-BREAD MINE, Chelmorton, Derbs

Farey (1811): In "3rd Lime". Lead.

and SOUGH 1" III SK 22 75

DALE GROVE, Eyam, Derbs

See also CLIFFSTILE MINE also SOUGH; FROSTS SOUGH.

N. Kirkham, Bull PDMHS 3 [6] 329 (1968). Dale Grove mine near Cliff Stile mine, drained by "Frosts Sough." "Dale Sough" was being driven in 1746; ∴ is not = Main Rake Sough. No proof that it = Cliff Stile Sough or Frosts Sough.

1" III SK 2 5

DALE MINE, Matlock, ~~Bath~~. Derbs.

GSS & P (1906) p7. Fluorite mine, reopened at Matlock.
[NB is this = DIAL MINE? q.v.]

1" III SK ½ 6

DALE MINE, Over Haddon, Derbs.

Farey (1811): Dale, Over Haddon, in 1st Lime & Toad. Lead; Ore in toadstone

1" III SK(25) 284542

Dale quarry, Wirksworth, Derbs.

6-in.map XXXIV SW(1924): disused.

1" III

SK(25) 2745 45

Dalefield mine, Wirksworth, Derbs.

6-in. map XXXIV SW (1924): lead and calx mine, disused.

1" III SK (25)

DALE-TOP MINE, Wirksworth, Derbs.

Farey (1811): In "3rd Lime"; lead; gravel [!].

1" III SK(16) 146683-158669

DALE VEIN, Monyash, Derbs

G.E. Bacon's Chart shows "Dale" along NW-SE vein at above ref.

1" III SK(06) 009696

DANE COLLIERY, Hartington Upp. Qr., Derbs.

1" III SK(25) 286555

DARKLANE QUARRY, Cromford, Derbs

1" III SK 216 209 7 55 755

DARLTON (TARMAC) Q'y, Stony Middleton, Derbs

RSN('02) 40 25. Visit 7/01. Several veins, backfilled with mud which has penetr. & spoiled most pockets. Upper level close to Cavendish Mill plant. Moderate spec's of fluorite, baryte, calcite, galena, cerussite, wulfenite, coll from veins. A vugh in a boulder had 15 mm octah galena xls covered in small cerussite xls, & coruss xls to 5mm on baryte.

1" III SK (26) 258606

Davis mine, Wensley, Derbyshire.

6-in. map XXIX SW (1923): disused lead mine.

Mem GSN Derbys (1887) 146 On some NW scrins chert boulders occur.

1" III SK 1 4,5 6 9

DAWSONS ENGINE SHAFT, Flagg, Derbs.

See also HUBBERDALE MINE

Hubberdale Mine Section (Plans File) shows "Engine shaft sunk by Dawson, 40 fms 1 yd to the striking house"

1" III SK (17)

DEEP RAKE, Foolow, Derbs.

Farey (1811): In "1st Lime"; lead.

GSS & P (1906) p.7 Fluorite mine, reopened "at Eyam" [of Deep Rake, Gt Longstone]

DEEP RAKE, gr. Longstone (& Calver), Derbs. (I) 1" III SK(27) 22x736.

See also ~~Deep Rake~~ DEEP RAKE, Foolow; BOW RAKE
=LONGSTONE EDGE VEIN

Dunham (1952), pp 90-91: Spar being worked from opencasts of EW vein - follows crest of anticline in D_2 limestones (Shirley & Horsfield Q.J.G.Soc 100, 289 (1944)). Extensively worked for galena. Also has fluorite; barite; chert; calcite; ochreous clay. Opencuts reveal steep walls of limestone in places over 50' apart! Reached also from Sallet Hole Mine (see sep. card).

Farey (1811). In "1st limestone" lead, white ore (cerussite).

GSS of P (1906) p7. Fluorite mine reopened "at Eyam" [or is this the Foolow DEEP Rake]

Riewerts Bull PDMHS (1960) 1-[3], 3: In 1782 a valuation of

Busks Mine [Calver], says Calver Sough carried almost to Deep Rake but all run in.

Deep Rake immense canyon being cut by modern fluorite miners

RSWB, GR, GS, JN, 23/4/61. See Field Notes, p. 167. Photos p. 171. Loc 246.
Big canyon-like rake. Plenty massive fluorite; calcite; baryte; some galena. Being worked opencast.

RAH 9/61: Superb anglesite with cerussite in cavities in galena with fluorite. "Found almost under wheels of lorry by hut."

Mem GSN Derbs (1887) 138–9. E part of High Rake.
Baryte, fluorite, chert. Worked from Sallet Hole mine. p166 Chert, mined.

DEEP RAKE, gt Longstone & Calver, Derbs (II)

C.A. Jeffrey (2001) Proc Yorks Geol Soc 53[3], 197-206

MA 03M/1415. "... Longstone Edge vein system..."

An unusual galena-rich replacement flat in lst ~2m above weathered top of Cressbrook Dale Lava at Longstone Edge, Derbs (87M/4839). Has anglesite core & cerussite margin, with silicified & fluoritised wall rocks

1" 111 SK 203 773

DEEP SITCH MINE, Eyam, Derbs,

Black Hole Section, MRO (1861) shows a shaft labelled "Deep Sitch Mine". "A flatting out of the ore to a width of 11 yds occurred here"

Black Hole Map, MRO shows "Deep Sitch" near above loc. "Flat works here".

1" 1" SK (25) 288 562

DENE QUARRY, CROMFORD

In "Dean Hollow". Manager Mr Blackwell of Matlock Bath. Office at 291756, on corner of Baker's Lane.
Ornamental stone quarry Derby Dene (crinoidal limestone) above Hopton Wood stone like that used for Bank of England.

According to Archie Sprinthall, matlockite may be found here.
Field Notes, p. 77-9.

RSWB, EN, 22/5/60 ∧ Calcite; barite; galena; cerussite; vvg anglesite; fluorite; ?smithsonite; limonite; chalcopyrite; hydrocarbons.
Loc 230 one spec. galena pseudo after anglesite! See Field report.
RSWB, GR, GS, 29/5/60. Similar. Field Notes, p 92. Photo, p. 93
RSWB, 14/5/61. p. 174. Similar.
Sulphur, minute xls, & mp 128°C (high!) on anglesite & galena

RSWB & TG. 20/5/62. Vol II. p. 58. ? chrysocolla.

RSWB & TBG 10/63 IV, 21: Veinlets in upper level, NNW-SSE with galena, baryte, some fluorite, calcite. Largest vein is followed by W face of quarry - in this vein, some nice malachite, limpse sheaves on baryte & in clay, & on limonite, assoc. with a clay filled part of the vein.

S Clark 5/80 Smithsonite small x/s. on galena

RSWB, W Paar etc. 8/80 eg 80-190
Aurichalcite, small areas but v. fine

DEVIL'S HALL CAVERN, Castleton, Derbs.

See FORESIDE RAKE

1" III SK 25 NE 290584.

DEVONSHIRE MINE & CAVERN, Matlock Bath, Derbs.

~~See also COALPIT RAKE, DOVEDALE VEIN~~

Geol Survey 6" Map shows Coal-pit Rake here. Coal-pit Rake said to carry fluorite & calcite (Dunham "Fluorspar" (1952), 104; Wedd & Drabble (1908) p 16)

Adam "Geol of the Peak" (1845) p. 77. Devonshire Cavern chiefly in the Magnesian Limestone.

C. Porteus (1950) p. 73: Discovered 1824, now closed since war.

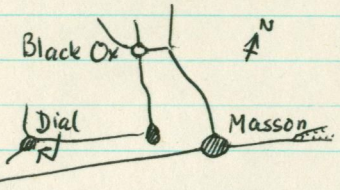
OM's 25" map shows the "Cumberland Upper Title" section of Coalpit Rake and Dovedale Vein, in the Devonshire Cavern region.

J Ike Wilson Priv Comm 2/78. Now closed & gated.
Aurichalcite; rosasite

1"/11 SK(25) 289$_3$ 586$_7$?

DIAL MINE, Matlock, Derbs

P. Smith: Priv Comm. (3/61): W of Masson Cavern. [Shaft on OS map at 289$_3$ 586$_7$?].



But see below.

[NB. GSS of P, (1906), p7. DALE MINE (qv) Matlock: Fluorite mine, reopened]

JN's 25" map labels "Dial Mine" a NNW-SSE vein, through High Loft Mine, at 289$_8$ 589 - 290$_5$ 588

1" III SK(07) 054 706

DIAMOND HILL, Burbage (nr. Buxton), Derbs.

WAdam, "Gem of the Peak" (1845), p. 301. "Diamond Hill, Buxton": Quartz crystals, "beautifully crystallised, in soil on low side to the westward.

p. 331. Vg Quartz crystals, now in M/C Museum from Grin End Mine (see sep card)

Lots of "diamonds" in hollow between Grin Low & Landman's Low"

RSWB 23/10/60. Field Note, p. 127. Investigated the hollow between Grin Low & Landman's Low, and part of Diamond Hill (near Countess Cliff). Not a sniff of quartz !!

DIAMOND HILL, Taddington, Derbs.

See PRIEST CLIFF.

M III ~~SK 25 285 591~~

"DIGGER HOLE" QUARRY, Masson Hill, Matlock.

See also MASSON MINE

RSWB & GR, 4/12/59. See field report. Loc 216. Very fine dog tooth calcite; fluorite; cockscomb baryte; smallish but clear quartz; galena, with traces oxidation products. Some galena in corroded cubes with curious radiating internal structure. Still being worked. "Driven out by blasting!"

Dunham, (1952) pps 97-101 including diagram.

See MASSON QUARRY

1" 120, 121 SK 376 218

DIMMINSDALE MINES, Calke, Derbs, and Staunton Harold, Leics.

See also TICKNALL.
For details, see under Leicestershire.
Base mineral list: galena, sphalerite, chalcopyrite, cinnabar, calcite, baryte, hemimorphite, bitumen, asphalt, siderite, dolomite

1" III SK(26) 292607?

DIMPLE MINE, (Dimple) Matlock, Derbs

See also SEVEN RAKES.

SRMRGB XXVI (1923). The northernmost mine on Seven Rakes.

~~Mem. Mem. Geol. Surv. (1887)~~

Farey (1811): In Shale e "1st Lime". Lead; pyrites; fluorite, "curious crystals"; the only mine steam-engine going in 1809 in Derbyshire.

Mem GSN Derbys (1887) 148. Quotes Farey. The N'most mine on Seven Rakes

1" III SK(26) 290 609.

DIMPLE RAKE, Matlock, Derbs.

Shown on 6" GS map. Ca E-W Rake at N end of Seven Rakes carrying lead.

DIMSDALE MINE, Calke, Derbs.

See DIMMINSDALE MINES (Leics).

1" III SK 287552 – 289949?

DINAH'S RAKE, Wirksworth, Derbs.

GS 6" map. NNW–SSE vein, carrying lead & barium.

Mem GS N Derbs (1887) 150. Ca 300 yds W of Bage M.
Rich in caulk [barytes]

1" III SK(18) 152819

DIRTLOW MINE, Castleton, Derbs.

See also DIRTLOW RAKE.

DCC 2½" map shows "Dirtlow Mine" at above loc., on Dirtlow Rake.

Mem GS N Derbys (1887) 130 Shaft 60 fms deep

1" III SK(18) 135810-155821

DIRTLOW RAKE Castleton Derbs

HOLLANDTWINE MINE; PINDALE MINE (Hope)

See also DIRTLOW MINE; CHATSWORTH MINE; NETHER DIRTLOW RAKE; KIRK VEIN; HAZARD

Farey's List (1811). Dirtlow, SE of Castleton, in "1st Lime" & Toadstone M. Lead; ore in Toadstone.

Dunham (1952), p. 92: Mainly mineralised with calcite.

RSWB 1/5/60. Field Notes Ip. 64. Loc 221 – Dirtlow Rake at head of Pindale. Fantastic gorge of rake workings running across country. Numerous shafts & caves. Little fluorite; mineralisation mainly calcite, with var. dog tooth spar; quite a lot of galena.

II, 137 (22/9/62) Rake followed as far as HOLLAND TWINE MINE. Calcite; pink barytic; galena; good cerussite forms on galena found near 145 815.

Mem GS N Derbys (1887) 129; 161. Worked 3 mls - Pindale to Oxlow End. p 161 Baryte along most of its length

Mrs J. M. Dean Priv Comm 4/72 Fluorite cubes with purple zones on crinoidal limestone. Dumps at 155821.

RSN(1998)32 15 Calcite, fluorite, baryte, galena

1" III SK(16) 176690→196684

DIRTLOW RAKE, Sheldon, Ashford, & Bakewell, Derbs

GS Old Series 1" map (1852) Shows "Dirtlow Rake" crossing Kirk Dale at above loc.

Workings on Magpie Sough below Sheldon vill., described by J. Matthews Bull PDMHS (1960) 1-[3], 13, may be on Dirtlow Rake.

Mem GS N Derbs (1887) 140 DIRTLOW MINE, Sheldon.
Rake runs W 18° N, N of Sheldon

1"111 SK(26) 2275, 6035

DIRTYFACE SHAFT, Winster, Derbs

DCC 2½" map shows "Dirtyface Shaft" at above loc. on Leadmines Rake (q.v.)

Mem GSN Derbs (1887) 145 On Lead Mines Rake, 200 yds SE of Lead-Mines Fm. 50 fms deep.

1" III SK(27) 20x 753

DIRTY RAKE, Stoney Middleton, Derbs.

See also MAIN RAKE etc, VICTORY MINE

Dunham (1952), p. 94: Baryte; fluorite; galena.

RSWB (1959). Loc 201: Fluorite, colourless cubes; galena.

JHR, Bull PDMHS 1 [3] 10 (1960): VICTORY LEVEL intended to drain DIRTY RAKE etc. Driven from CLIFFSTILE MINE (Eyam) in 1840's but abandoned after passing under Stoney Middleton Dale on reaching toadstone.

DOG-HOLES MINE, Wirksworth, Derbs.

See BONDOG-HOLE MINE

1" III

SK(25) 255 536

DOGLOW MINE, Hopton, Derbs

OS 6" map: Lead mine, W of Yokecliffe Rake Mines

1"111 SK(27)

DOG RAKE, Calver, Derbs

Dunham (1952), p.96. Reached from Red Rake Mine (see sep. card.), ca. 1200' along the adit. Hades to the W; usually <12" wide but contains at least one rich pocket of ore.
p.97. North Cliff Sough (see sep. card) cuts Dog Rake 705' S of Red Rake.

Farey (1811): 9m Shale & "1st limestone": Lead; White Ore (cerussite).

Rieuwerts Bull PDMHS (1960) 1 [3], 3: Red Rake adit (1851) driven to intersection of Dog & Catlow Rakes. Vrich, with flats.

DON-PHILIP MINE, Wirksworth, Derbs.

See BOGGARD MINE

1" III SK 286,583₃ – 289₂584₀

DOVEDALE or DUBDALE VEIN, Matlock Bath, Derbs

See also DEVONSHIRE CAVERN; COALPIT RAKE

JM's 25" map labels "Dubdale or Dovedale" a short ENE–WSW vein at above loc, 1R to and N of Coalpit Rake, at its "Cumberland Upper Tittle" section, near Devonshire Cavern.

1" III SK 288 556

DOVEGANG MINE, Cromford, Derbs

See also GANG MINE, etc.

?= DOVER-GANG MINE.

DOVER-GANG MINE, Cromford, Derbs

See GANG MINE; DOVEGANG M.

Dove Rake, Taddington, Derbs

See Burfoot M's; Bull Tor M's.

SK 25 28?55 6?.

DOVESTONE-LEYS MINE, Cromford, Derbs.

See also GANG VEIN e MINE etc; DOVEGANG M.

Farey (1811): in "1st Line"; Lead; calamine.

N. Gregory, Bull PDMHS 3 [6] 363 (1968). Dovestone Leys Close, just W of the railway arch at Steeple Grange – "most mixed up area of minerals in Derbs" – had rich galena, sphalerite, traces of copper, witherite, baryte, aragonite, nodules of iron oxide, pyrite; calcite in quantity

1" III

SK(06) 09 x 675

DOWLOW LIME & STONE WORKS, Hartington Upp. Qr., Derbs.

1" III SK(25) 289564

Dragoneye vein, Cromford, Derbyshire

6in. map XXXIV SW (1924): lead, dis.; SW of Cromford.

Geol Survey 6" map: On Dun Rake Dean Hollow

RSWB 6/3/60; 12/6/60: See Field Notes pp. 51; 100: Rather barren limestone dumps above (N of) Dene Quarry.

1" III SK 2 6

DRAKE MINE Winster, Derbs.

See also LIME-KILNS.

C. Porteous (1950), pp 81-82:

Farey (1811): Lime-Kilns e Drake Winster, in "1st Lime"; lead; petroleum; gravel [!]; caverns.

1" III SK(25) 272531 275531

DREAM MINE, Callow, Derbs → STAFFORD'S DREAM MINE

~~DREAM CAVE, Wirksworth, Derbs.~~ ~~SAND-HOLE PIPE; FOXHOLE M; BLOBBER M.~~

OS 6" map: Dream Mine at 272531; Lead mine

Farey (1811) Stafford's Dream or Dream Mine, WSW of Wirksworth, in "4th Lime detached"; much lead, ochre.

Mem GS N Derbs (1887) 151 Dream or Stafford's Dream M on a ca ENE vein. Worked to 60 fm but not for more than 140 yds W to the shale.

1" III SK(26) 248603

DRUMMERS VENTURE MINE, Winster, Derbs

Lead mine.

1"III SK(35) 33354æ.

DUKES QUARRIES, Crich, Derbs.

1" III SK(26) 241 623

DUNGEON QUARRY, Birchover, Derbs

1" III SK 275562 — 294565

DUN RAKE, Cromford & Wirksworth, Derbs.

See also DRAGONEYE V; DUNRAKE M.; LATHHOUSE M.; NOGG M; STITCHEN M.

GS 6" map: E-W vein 275562 → 294565

1" III SK(25) 287564

Dunrake mine, Cromford, Derbs.

6-in. map XXXIV SW (1924): lead, dis; SW of Cromford.

Geol Survey 6" maps: On Dun Rake. [qv] Dean Hollow

RSWB 6/3/60, 12/6/60. See Field Notes pp 51, 100: Kather barren limestone dumps above Dove Quarry.

1" III SK (26)

DUNSHOLE MINE, Stanton in The Peak, Derbs.

Farey (1811): In "1st Lime"; lead; pyrites.

1"111 SK(27) 207771

DUSTYPIT MINE, Eyam, Derbs

See also DUSTYPIT VEIN

Dunham (1952) p. 85: Map. pp 86,89: Descrip. Shaft reaches Toadstone: Fluorite on dumps used mainly before 1945. On Dustypit Vein.

Black Hole Map, MRO shows "Redfearns Founder Pipe" from Black Hole Mine to "Dusty Pit Mine". "From this pipe the Eyam Mining Co. got the greatest bulk of their ore at Dusty Pit"

Mem GS N Derbys (1887) 137 On Crosslow Vein, which here divides → 3: Dustypit V on N; Crosslow

v., with baryte in centre; e a rich vein with fluorite, on the S.

H. Winstanley e K. Callow (12/73) Spec → RSWB. (73-446)
Fluorite cluster of colourless cubes with attractive purple edges, minor galena.

1"=1" SK(27) 20x771

DUSTYPIT VEIN, Eyam, Derbs.

See also DUSTYPIT MINE, HIGHCLIFFE MINE

Dunham (1952) p. 85: Map;

Intersects Redfearns Founder Pipe at Dustypit Mine.

Dutton's quarry, (Slack, W of) Ashover, 1"III SK(36)336626

Derbyshire.

6-in.map XXIX SE (1923): disused.

1" III SK(25)

EARL OF MAR MINE, Wirksworth, Derbs.

Farey (1811): At Middleton Intake, nr. Wirksworth; in "3rd & 4th Limes"; lead; hades; intersects a fault; clay wayboards.

1" III SK(18) 1515801 – 1708025

EARL or HELL RAKE, Hazlebadge (& Bradwell), Derbs.

DCC 2½" map labels "Earl Rake or Hell Rake" an ca. E-W vein at above loc. Chance Mine, Bradwell, would be on this vein. E of Bradwell Dale, the vein appears to continue as "Hill Rake or Hall Rake."

OS 6" map. "Old Lead Mines"; "Earl Rake".

Farey (1811). Bradwell – "Hell Rake", in "3rd Lime". Lead.

Mem&S N Derbs (1887) 132 Earl, Ell, or Hill Rake in Hazle Dale. Veinstuff mostly calcite in "prism-shaped x/s" On E side of the dale, between

Earl e Shuttle Rakes, old workings on a pipe with much fluorite e barytte. Dies out to W but nearly 11R "Scrin Rake" appears which runs through Windy Knoll M. into Shuttle Rake.

Im

111 SK/06

Earlsterndale, Derbs.

0966. Hartington Middle Quarter parish.

6-inch map: Dowlow Lime & Stone Works around 099675; Hindlow Lime works around 097679.

*Ford + Sarjeant (1964).

Foxholes Caves - aragonite (new loc.).

*The Lyre 3,60(1960. Hydrology of Upper Dove valley.

The Crowdwell, Meadows Farm, Crowdecote, 100653, at 800 ft. altitude.

Aldery Cliff caves. Small caves along 1000-ft contour from Underhill Farm at 088667 to the SE end of the hill at 093664.

The Pit Hole, at 1000 ft altitude, in south corner of old quarry on RHS of road 1 ml out of Barlsterndale towards Crowdecote; very narrow. 09 65

Glutton Dale Cave, west side of dale at 086673, 1050 ft OD. (road drain dug up; leads into 60-ft cave.)

1" III SK(27) 2017615

EARNSLOW SHAFT, Eyam, Derbs.

See also WATER GROVE SOUGH (Foolow); BRUSHFIELD RAKES.

MRO Map : On Water Grove Sough in region of Brushfield Rakes, where sough is in toadstone. Spring at base of shaft.

1" III SK 209 773

EAST FOUNDER SHAFT (Old Pasture Mine), Eyam, Derbs.

Matham's Black Hole Map, MRO (1769) shows "E. Founder" at Old Pasture Mine.

1" III SK(17) 188780

EAST SILENCE MINE, Grindlow, Derbs.

See also WEST SILENCE MINE

Farey's List (1811). "Grindlow: Silence", in "1st Line". Lead.

On Hucklow Edge Rake

(25)

Dunham (1952), p.85: Map. p.95: Table. pp 93-4: Fluorite; barytte; galena.

1" III SK $279_8 600_2 - 280_3 599_1$

EATONS VENTURE VEIN, Wenslеy, Derbs.

JM's 25" map labels "Eatons Venture" a short N-S vein at above loc., S. end approaching Hungerhill Pipe.

1" III SK(26) 231685

EDGE QUARRY, Bakewell, Derbs.

OS 6" map. In Manners Wood.

1" III SK(17) 135765

EDGE RAKE MINE, Wheston, Derbs

Is this the "HEDGE RAKE, Tideswell" of Farey (1811)?

Farey (1811). "Hedge Rake" NW of Tideswell, in Limestone. Lead.

P Smith (2/61) Priv. Comm. Pink stalactitic calcite - "Edge Rake Mine, Tideswell". — "Edge Vein Sough, Brook Villa Farm, Tideswell"

1" III SK(17)

EDGE SIDE RAKE, Foolow, Derbs.

Farey (1811): In "1st Lime". Lead.

Very Probably = Hucklow Edge Rake

1" III SK 221 757?

EIDSONS MINE, Stony Middleton, Derbs

N. Kirkham, Bull PDMHS 3 [6] 329 (1968) Mentioned on p334. N of Main Rake.

1" III SK(18) 117809.

ELDON HOLE, Peak Forest, Derbs.

C. Porteous, (1950), pp. 79-81: Photo facing p. 68.

F.A. Winder, (1938), p. 70. Photo facing p. 76

1" III SK $285_2 577_4$ — 2865 5749

ELSE PIPE, Bonsall, Derbs.

JM's 25" map labels "Else Pipe" a NNW-SSE vein at above loc., ca. 1¼ to e E of Bryns Pipe; its S end near or in Ball Eye Mine.

1" 111 SK 22 60

ELTON, Derbs.

See also WINSTER

BM Spec. Mimetite prisms, with chalcopyrite & traces ?malachite from "Elton district" ex T. Hudson → C S Garnett of Derby → Bottley.

Mem GSN Derbs (1887) 159: Wad, worked at Elton, at least since 1789 – Pilkington (1789), p 407

Adam (1844...) "Gem of the Peak" p 384 Wad with a "zeolite" – "in the shale at Elton"

1" III SK (25) 2168

ELTON COMMON, Elton, Derbs

SRMRGB IX (Fe) (1919). p25-26. Geol Survey 81SE map of 1867 shows ironstone mine at Elton Common, 2 miles WSW of Winster.

See under IRONSTONE MINE

[at 215 595]

GS OSer 1" (1852)

1"111 SK(26) 230₅6095

ELTON CROSS SHAFT, Winster, Derbs.

RSWB 26/3/61 See Field Notes, p 156. Quicklook - Calcite. Grassed over

1" III SK(26) ca. 21(5)607

ELTON LEAD MINES, Elton, Derbs.

See also COAST RAKE

GS 1" old series map (1852). At ca. above map ref.

Elvaston, Derby, Derbs

See Chellaston

1" 111 SK(17) 1905 758

EMANUEL SHAFT, Gt. Longstone, Derbs.

See also WATER GROVE SOUGH, WATER GROOVE PIPE (Foobw)

~~Map No in~~ MRO Map : On Water Grove Sough

1" III SK(26) 254636.

ENDCLIFFE QUARRIES, Stanton, Derbs.

1" III SK 2755 5995-

ENGLISH OXCLOSE VEIN, Wensley, Derbs.

See also OXCLOSE PIPE

JM's 25" map shows Oxclose Vein, running NE from 272595. At 2755 5995 forks- NNE fork labelled "Oxclose Breaks", NE fork labelled "English Oxclose".

1" III SK 2176

EYAM, ~~Derbs. and CALVER (See sep. card)~~ Derbs.

Greg & Lettsom (1858). Well cryst. anglesite at Eyam. galena in fine xls, the octahedral planes remarkable for the brilliance of their tarnish.

RSWB 1959 See field report.
GLEBE MINE centre of village. No dumps. Fluorite, some barite, a little galena, only trace of Zn, no Cu (ref: foreman).

GR 1956 ~~Fluor~~ GLEBE MINE, working. Fluor & lead. Fluor, galena, barite.

GR. Calcite, remarkable twins.

Summ of Progress (1906) (Geol Surv) p 7. Fluor mines reopened at Eyam:
(Foolow) (Foolow?) (Gt Longstone)
New Grove; Slater's Engine; Ladywash etc; also Sallet Hole;
(Hazgop) (Gt Longstone) (Calver)
Backdale; Deep Rake; Red Rake.

SRMRGB XV "As & Sb" (1920) : Antimonial galena, at Eyam.

~~RSWB 1958 Dirty Rake nr Eyam Loc 201. vg colourless fluorite, some galena; barite; purple fluorite.~~

Mem Geol Surv. N. Derbs (1887). 126 Eyam. "Antimonated ore of Pb" said to occur.
~~Calver: Cerussite.~~

TMH (1868) 55. "Eyam" Anglesite; baryte; smithsonite; calcite; galena; arsenopyrite.

Fareys List (1891). Calver in Bakewell: Dog-Rake; Peak-pipe.
Eyam: Black-hole; Broad-low; Brook-head; Broomhead's-venture; Cliff-stile; Cracking-whole; Hay-cliff (= Highcliff); Ladywash; Little Brookhead; Little-Pasture; Merlin's; Show-engine; Tidslow-Rake; Twelve Meers.

1" III SK(17)

EYAM-EDGE MINE, Gt. Hucklow, Derbs.

Farey (1811): nr Gt. Hucklow, in Shale a "1st Line". Lead.

Foolow, Grindlow, Gt Hucklow

EYAM EDGE VEIN, Eyam, [redacted]. Derbs

See HUCKLOW EDGE RAKE

1" III SK(18) 155 817

EYRES BRADWELL MOOR MINE, Bradwell, Derbs.

DCC 2½" map labels "Eyres Bradwell Moor" a mine at above loc,

FALLGATE QUARRY, Ashover, Derbs

See FALL HILL M. & Q.

1"/111 SK(36) 355624.

FALL HILL MINE & QUARRY, Ashover, Derbs. (I)

See also HOGSLAND SHAFT

Farey's List (1811). Fall-hill, Milltown, Ashover; in "1st Lime". Lead; large cubes fluor; Quartz crystals.

Dunham (1952), p108: On FALL VEIN - essentially a fluorite vein, containing some galena, a little calcite & pyrite, while blende occurs in it, close under the shale. Earliest operations from adits, then from HOGSLAND SHAFT (see sep. card). Vein also worked from No3 MILLTOWN or GREYHOUND SHAFT, (495') & drained from SPENCER SHAFT, both sunk ca. 1916.

RSWB 15/5/60. Field Notes, p.74. Loc 227. VG Fluorite, some sprinkled with quartz; a little galena.

Farey (1811) p442. Cavities lined with quartz xls of a light waxen colour at Allens & Fall-Hill Lime Quarries at Milltown in Ashover.

Mem GSN Derbs (1887) 154-155. A set of N 30-35° W veins worked. The FALLHILL or FALL or MILLTOWN VEIN worked in MILLTOWN M. ~~[illegible]~~ as late as 1856. Shaft 90 yds, to toadstone. Cockwell sough @ 40 yds depth. Much blende in the vein. SPENCERS RAKE [see SPENCER MINE] crosses these veins. p160 Yellow & red ochres Fall Hill.

J W Wilson, (ex P. Ward), specs → RSWB 12/79 (79-211, 212) Millerite, fine needles embedded in & projecting from calcite "from just below a toadstone band". Said to have been found by people from W. Midlands. Club. V. infra.

FALL HILL MINE & QUARRY, Ashover, Derbs. (II)

RSWB & JIW 20/1/80. On site met a collector from Baslow( )é ... Fletcher, who told us where millerite found, and of greenockite ("checked") and of paler hawleyite on calcite (checked – saw letter from Mr Cooper of BM). Millerite in deepest part of opencut (~ 50 ft from surface), on W wall, near N end. Lower part of W wall here is of a greenish decomp clayey toadstone, E wall being of l'st with fluorite. The millerite occurs in a near vertical pinkish-off white opaque calcite vein up to ~ 10 cm thick, with scalenohedra to ~ 2cm in vughs, some

pyritic banded inclusions; irregular x-line to massive pyrite layer on one edge of vein, in the toadstone. Calcite x/s often coated with a brown bituminous film. On calcite x/s in vugs some pitchy spherules, scattered small chalcopyrite crystals, also millerite fine needles, sometimes bent, mostly <1 cm; exceptionally to ~ 2 cm. - hexag sections seen; gave + test (v. micro!) with dimethylglyoxime.

Roy Starkey of the W Midlands Club informed RSWB by telephone 3/80 that the millerite first found by Ron Weaver, in "Hockley quarry" (SK 3562) (just N of Fall Hill quarry — map reading error?)

FALL HILL MINE & QUARRY, Ashover, Derbs (III)

MA 82M/3731. M E Smith, J. Russell Soc (1982), 1, 26-32. Mineralis'n along a tectonic disturbance in Carb. lim w. a "toadstone". Fluorite; marcasite; sphalerite; galena; pyrite; goethite; millerite; baryte; smithsonite; hawleyite.

Jean Spence, Min. Realm (1982) 1 [4], 4-8. "Fallgate Q., Ashover, Derbs". Descr, hist, geol, of FALLGATE QUARRY & mine at NW end of current Q'y. at Fall Hill. JS has found the following: Anglesite in minute cavs in galena; arsenopyrite, silver-grey xls in hair line fractures in the rock; baryte, cockscb;

* = "not yet confirmed"

calcite; cerussite*, micro plates on galesphal; chalcopy on fluor; dolom, v little, small x/s; fluorite; galena; goethite* botry crusts on qtz in one area; greenockite greenish-yellow coating in "traprock" cavs; gypsum in mud-filled cavs; hawleyite, brill. yellow coating rocks e mins; hydrozincite, earthy blue crust on Pb mins; limonite*; marcasite; millerite; pyrite, cubes in the millerite-Ca vein in the tuff; pyrolusite* shiny black vug fillings in one place; quartz; smithsonite green e orange botry on small fluor cubes; sphalerite, ruby clear to black; thucolite, black globs on e in fluorite; wurtzite, brownish-black pyram. x/s in one long fluor. vein in the quarry floor, where the l'st met the tuff.

FALL HILL MINE, QUARRY, Ashover, Derbs (IV)

BMS Newsl. (2001) 60 p16. P. Reynolds:— elaterite on fluorite — "FALLGATE Q'y"

FALL VEIN, Ashover, Derbs.

See FALL HILL MINE, SPENCER MINE

1" III SK(18) 164821$_5$ – 158818

FAR COTES VEIN, Bradwell, Derbs.

DCC 2½" map labels "Far Cotes" a NE-SW vein at above loc.

1" III SK(26)295627

Farley quarry, (Farley Moor, N of Matlock,)
Darley Derbyshire.

6-in. map XXIX SE (1923): top LH corner.

1" III SK 2078 756

FARN(S)LEY FARM, Stony Middleton, Derbs.

OS 2½" map: "Farnsley Farm"

N. Kirkham, Bull PDMHS 3 [6] 329 (1968).

"Farnley Farm" area crossed by two strong NW–SW pipes

FAUCET RAKE, Castleton, Derbs

See FORESIDE RAKE

1" III

SK(25) 298599.

FERN "CAVE", Matlock, Derbs.

On High Tor [qv]

Portens (1950) p 72. Old opencast crack.

1" 111 SK 01 78

FERNILEE Derbs

Chapen-en-le-F GS Mem (1971) galena coated joint in mudstone @ 306 ft depth in Fernilee No 1 B.H. at 0124 7823. Abund. veinlets w. galena & kaolinite below 289 ft in No 2 B.H. at 0119 7863

1" III SK $281_5 600_0 - 281_8 599_5$

FERNS VEIN, Wensley, Derbs.

OM's 25" map labels "Ferns" the section of Limekiln's Venture Vein at above loc., N of Hungerhill Pipe

1" III SK(16) 167697 - 183688

FIELD GROVE LODE, Sheldon, Derbs.

See also FIELD GROVE MINE, DIRTLOW RAKE (Ashford), MAGPIE SOUGH,

GE Bacon's Chart shows "Fieldgrove Lode, 6' calcite" on NW-SE vein from near Field grove Mine at 167697 to 183688 [where it becomes the "Dirtlow Rake", Ashford, of GS 1" map of 1852]. Crossed by Magpie Sough at 177690.

1"111 SK(16) 1695 6950

FIELD GROVE MINE, Sheldon, Derbs.

= FIELD RAKE & Farey (1811) [q.v.]? See also FIELDGROVE LODE

~~G.F. Bacon's~~

MRO Map R 206 (See Plans File) Shows range of vein, and two shafts — one at 1695 6950 "63 fms", and one at 1683 6960

N. Kirkham's Map. Based on above. See plans file. ~~Sketch~~ MRO Map R206 is undated, but pre-1884.

Richard Heywood's Map (MRO) shows Engine Shaft, 63 fms, and details of workings.

1" III SK(16)

FIELD RAKE Sheldon, Derbs

See FIELD GROVE MINE

Farey, (1811): In "1st Lime". Lead; very wide in spar.

1" III SK(17)

FIELD-SIDE MINE, Tideswell, Derbs.

Farey (1811): S of Tideswell, in "3rd Lime". Lead; a fault.

1" III SK(25)

FIERY-DRAGON MINE, Bonsall, Derbs.

Farey (1811): In Bonsal, in "3rd Lime." Lead; ore in chert; white chert.

1" 111 SK 24 53 - 2454

FLAXPIECE RAKE, ~~Brassington~~ Carsington, Derbs

Mem GS N Derbs (1887) 152 Flaxpiece Rake, W 27°S, with little caulk [baryte]

RN Time, Bull PDMHS (1967) 3 249252. Map shows FLAXPIECE RAKE, NE, from near 242 537 to near 249542

1" III SK 294551 — 296546.

FLINT VEIN, Wirksworth, Derbys.

GS 6" map: NNW–SSE vein

1" III SK $269_8 571_4$ — $267_0 575_5$

FLIXEN RAKE, Bonsall, Derbs.

See also BONSALL MINES.

Bonsall Leys Map (1854) (See Plans File) labels "Flixen Rake" a NNW-SSE vein at above loc., 11e to Red Rake e Massey's Vein, e crossing Parson's Rake e Great Rake. Part of Bonsall Mines.

1" III SK 25 NE 290580?

FLUOR SPAR CAVERN, Matlock Bath, Derbs.

C. Portens "Caves & Caverns of Peakland" (1950), p. 73: Near Cumberland Cavern. Said to have sheltered the natives in the 1745 invasion when some straying Jacobite Scots went along Matlock Dale.

1" III SK (36)

FOREFIELD SHAFT, Gregory Mine, Ashover, Derbs.

See also GREGORY MINE

Gregory Mine Section, MRO (1801) shows "Forefield Shaft" 60 + 73 fms (= 133 fms) + 4? + 15? fms
Begun to be sunk, May, 1790, finished Sept 1795.
Upon this shaft a small fire engine called a Whimsey engine was erected in Feb. 1790 to draw the gear from the brigging floor, & also drew the water (which was not much) from the bottom of the shaft 15 fms in tubs, which were turned over to be farther drawn by the New Fire Engine.

1"111 SK(17) 188758.

FOREFIELD SHAFT, Water grove Mine, Foolow, Derbs

See also WATER GROVE SOUGH; WATER GROOVE PIPE.

MRO Map No. . Top part through shale. Forefield of Water grove Sough.

1" III SK(16) ~~1E5~~ 195 658

FOREFIELD SHAFT, Youlgreave, Derbs.

See also LATHKILLDALE VEIN; LATHKILLDALE SOUGH.

Rieuwerts "Lype" (1960) 3, 29: In Lathkilldale Sough, ca 100 yds downstream from Batemans Shaft is small shaft in roof, presumably old Forefield Shaft (1782), in old records.

FORESIDE CAVERN, Castleton, Derbs.

See SPEEDWELL MINE

1" 111 SK(18) 135824 – 144824

FORE SIDE or FAUCET RAKE, Castleton, Derbs.
and DEVIL'S HALL CAVERN See also SPEEDWELL MINE

Farey (1811): In "4th Lime". Lead; Devil's-Hall cavern.

DCC Speedwell Cavern geol Map labels ~~Forest~~ "Faucet Rake" an E-W vein at above loc., crossing Speedwell Mine entrance level, & joining Horsestones Rake at 135824

FOUNDER SUMP (Pasture Vein), Eyam, Derbs.

See SHALE GATE (Little Pasture).

1" III SK 294 583

FOUNTAIN BATH SOUGH, Matlock Bath, Derbs.

See also WRAGG SOUGH; GILDROY MINE; COALPIT RAKE.

D. Toft & JH Rieuwerts, Bull PDMHS (1960) 1-[3], 15: In 1787 Dr Simpson drove the Bath sough to the Gildroy title on Coal Pit Rake to separate cold water from warm. Intersects Wragg Sough. W.S flooded by placing iron doors in it [WS or FBS?] & these still in position, preventing explor.n of the Bath sough & ∴ of Wragg Sough.

JM's 25" map shows "Sough (Baths)" from river at $294_3\ 583_4$, NNW for ca 70 yards.

FOURWAYS SHAFT, Monyash, Derbs.

See KNOTLOW MINE

1" III SK 09 66

FOX HOLES CAVES, Hartington Midd. Q'r., Derbs

Forde Serjeant (1964) Aragonite, Foxholes Caves, Earlsterndale

1" III SK(25) 27 53(?)

FOX-HOLE MINE, Wirksworth, Derbs

See also SAND-HOLE PIPE,

Farey (1811): S of Wirksworth, in "1st Line". Lead; calamine.

Mem GS N Derbs (1887) 151. Sandhole V. runs EW through the FOX HOLE, an open chasm from which calamine [? Smithsonite] & ochre have been raised. '. Near Dream M. p 160: "It" [Iron ore; ?. ochre] at Foxholes, between Wirksworth & Hopton.

1" III SK 2065 7765 – 209774

FRICKNEY VEIN, Eyam, Derbs.

Black Hole Map, MRO labels "Frickney Vein" a NNW-SSE vein from NW of "Upper Miners Engine Shafts" (= Twelve Meers Mine) to meet Pasture Vein near 209774, crossed by the Shale Gate.

Little Pasture Plan MRO (1815) labels "Frickney Vein" a NNW-SSE vein from "Miners Engine Shaft" (= Twelve Meers Mine) on "Hucklow Edge Old Vein" (= Hucklow Edge Rake) to Pasture vein; crossed by the Shale Gate at "Guinea Sump"

FRIDEN DALE, Newhaven, Derbs

See FRYDEN DALE

1" III SK(16) 168 604

FRIDEN PIT, Hartington Nether Qr., Derbs.

See also FRYDEN DALE

OS 6" map: Clay pit.

FRITCHLEY LEVEL, Crich, Derbs.

See CRICH SOUGH

1" III SK 2, 7 6 ?

FRITH SOUGH, Eyam or Middleton, Derbs.

N. Kirkham, Bull PDMHS 3 [6] 329 (1968). Position unknown.

1"111 SK (27)

FROGGATT GROVE, Hassop, Derbs.

See also CALVER SOUGH, Calver

Rieuwerts, Bull PDMHS(1960) 1[3]3: In 1775 Calver Sough extended from Wren Park Mine to drain Froggatt Grove, etc

1" III SK(18) 1218235

FROG HOLE, Peak Forest, Derbs

1" III SK 22 75

FROSTS SOUGH, Eyam, Derbs.

See also CLIFFSTILE MINE; DALE GROVE & SOUGH; CLIFFSTILE SOUGH.

N Kirkham, Bull PDMHS 3 [6] 329 (1968). To DALE GROVE & CLIFFSTILE MINE. No proof that = DALE SOUGH or CLIFFSTILE SOUGH

1" III, 1760 (SK)

FRYDEN DALE, Newhaven, Derbs, Hartington Nether Q

~~See also IRONSTONE MINE, Hartington Nether Qr.~~

SRMRGB IX "Fe..." (1919) p 25: Iron ore at Fryden Dale, near Newhaven, "at no great depth". [cf Hand Dale. Fyden = Friden? @ 1760].

"Geol Survey 81 SE maps of 1867 shows ironstone mine at a place 3 miles E of Hartington" [i.e. ca. 1770s?]

See IRONSTONE MINE

1"111 SK(16) 17610

~~IRONSTONE MINE~~, Hartington Nether Qr., ~~Derbs~~.

~~See also~~ FRYDEN DALE

GS Old Series 1" map (1852) shows "Ironstone Mine" at above map-ref

See FRYDEN DALE

RSWB, II, 165 (21/10/62). Calcite bits. No baryte. Some iron staining

1" III SK(25) 291557

GANG MINE Cromford, Derbs.

DOVER-GANG; GODBER; GOODLUCK & GREAT-PITS Mine (Farey)

GSB map: On Gang Vein & fault qv

Carruthers & Strahan: SRMRGB 26 (1923). Cromford Sough runs to gang Mine.

Farey's List (1811). Gang, or Dover Gang, Godber, Goodluck, & Great-Pits, Cromford & Middleton by Wirksworth, in shale & "1st & 2nd Limes". Much lead ore in shale & toadstone; pyrites; Black Jack [=blende] large cubes. fluorite; wide, hard spar; petroleum in lime geodes in shale; hades both S & N [!]; oquinted; slickensides; deep, large hillocks; a hot spring in "2nd Limestone"; water-wheels in the Sough underground [CROMFORD SOUGH?]
Also gives. "Godber or GOODBEHERE, see Gang."

Stoke Ath. Trans Chesterfd & Derby Inst Min Eng & 67 (1881).

Waterwheel underground, driven by Cromford Sough waters

Mem GS N Derbys (1887) 150. Sunk through shale (with one).

Quakes Facey.

1" III SK(25) 266551 → 295558

GANG VEIN, Cromford & Wirksworth, Derbs.

GS 6" map: E-W vein 266551 → 295558. Vein & fault.

See also mines shown below

N. Gregory, Bull PDMHS 3 [6] 363 (1968). "From Dark Lane [ca 286555] to the Gang House [2855,5575] [& crossing Gang Vein from SE to NW] calcite gradually gives way to cawk [barytes] of a cream colour, but it soon changes to a dark iron-stained var., accomp. by pellets of haematite.

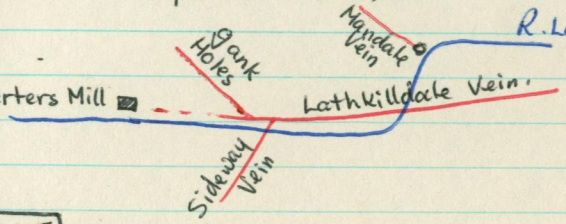
Mines E-W: Gang; Cromfordmoor; God be Here, Milkambottom Sh., Jackson's, Slack rake, Samuel, Broadhouse.
Also Goodluck, Great pits

Mem GS N Devlps (1887) 150. E-W. Fault vein.

1" III SK (16) ca 19.66.

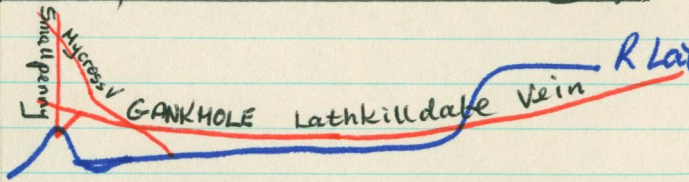
GANK HOLES, Over Haddon, Derbs. or 1865?

J. Rieuwerts "Lyre" (1960) 3, 29: In diagram only:



BUT →

JHR, Bull PDMHS (1963) 2 9 Map shows:-



GATE SOUGH, Buxton, Derbs

See OTTERHOLE

1" III SK 290s 5730 - 294s 5730

GATESTOOP VEIN, Matlock Bath, Derbs.

JM's 25" map labels "Gatestoop" an E-W vein at above loc.

1" III SK(18) 100 814

GAUTRIES HOLE, Peak Forest, Derbs.

1" III SK 1080

GAUTRIES RAKE, Peak Forest, Derbs

Mem GS N Derbs (1887) 131 EW vein to S of Coalpithole V., & joins it at Watts Grove [qv]

1" III SK(36)

GEAR SHAFT, Ashover, Derbs.

See also GREGORY MINE

Gregory Mine Section, MRO (1801) shows "Gear Shaft", sunk in 1768, 66 fms to Wagon gate Brigging Floor. The termination of (Cockwell) Sough.

1" III SK(25) 271567

Gell's mine, Middleton by Wirksworth, Derbs. pH↑

6-in.map XXXIV SW (1924): in Middleton Wood. Lead, dis.

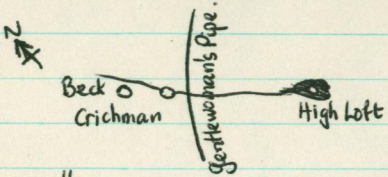
1" III SK(25) ~~289 589~~ 2895 589 - 2885 591

GENTLEWOMAN'S PIPE, Matlock, Derbs.

Farey, (1811): Near Matlock Bridge, in "1st Lime". Lead.

P. Smith (Chiv Comm 3/61). Crosses the High Loft → Crichman passage approx @ it Ls just S of Crichman Shaft ie at ca. 289 589 3.

But see next ref.



JM's 25" map labels "Gentlewomans Pipe" a curving vein cutting Knowles e Crichman Vein at King Mine. (ie considerably N of P.S's loc.). At above loc.

1" III

SK(25) 292 547

GEORGE MINE, Wirksworth, Derbs.

GS 6" map: On Bage Vein.

RSWB 12/6/60. See Field Notes, p99. Grassed over.

J.S. Neil, "Brit Mins" (1907): Baryte; sulphur.

GIANT'S CAVE, Eyam, Derbs.

See BAMFORTH HOLE 2275

1" III SK(18) 119827

GIANTS HOLE, Peak Forest, Derbs.

C. Porteous (1950), p. 81:

F.A. Winder (1938), p. 65. Photo facing p. 66.

GILDER Matlock Bath, Derbs.

See GILDROY MINE

GILDEROY MINE, Matlock Bath, Derbs.

See GILDROY MINE

1" III SK(25) 292 5 584 3 3

GILDROY MINE, Matlock Bath, Derbs.

NB. "Gilderoy" on 6" OS map on Coalpit Rake, in Gilderoy Rd., at 292584

See also FOUNTAIN BATH SOUGH; COALPIT RAKE.

D. Toft & J.M. Rieuwerts, Bull PDMHS (1960) 1 [3], 15: 'In 1787 Dr Simpson drove the Bath Sough [= Fountain Bath sough?] to the Gildroy title on Coal Pit Rake, to separate cold water from warm.'

JM's 25" map shows "Gilder" at a crossing of a N-S vein and an E-W, S branch of Coalpit Rake labelled "Coalpits", at 292 5 584 3/4 3.

1" III SK 1 6

GLADE RAKE, Ashford or Bakewell, Derbs.

Farey (1811): SW of Ashford, in "1st Lime". Lead.

1" III SK(27) 219764.

GLEBE (=TOWNEND) MINE, Eyam, Derbs
See also ASHTONS PIPE, MOORWOOD SOUGH | =WILDS GROOVE

Dunham (1952), p.85: Map. pp 84-88: Full descrip. Fluorite; calcite; baryte; galena; quartz; chalcedony; pyrite (in order of abundance). Drained by Moorwood Sough (see sep. card) Stoney Midd.

GR (1956): Working. Fluorite; galena; baryte. Known for calcite, remarkable twins.

RSWB 31/5/59. Field Notes, p.17. In centre of village. No true dumps. Fluorite; some baryte; a little galena; only trace of Zn. No Cu (Ref: Foreman).

JHR, Bull PDMHS 1-[3] 10 (1960): Drained by MOORWOOD SOUGH, which

runs along sole of ASHTONS PIPE from Middleton Dale to forefield beyond Glebe. LADYWASH SHAFT is drawing shaft for Glebe Mine.

N Kirkham, Bull PDMHS 3 [6] 329 (1968). Used to be known as WILD'S GROOVE.

1"/1 SK(35) 343560

GLORY MINE, Crich, Derbs.

Geol Surv. Summ. of Prog. (1906) p.7. Fluorite mine, reopened

RSWB, GR, & GS 28/5/60 See Field Notes, pp 86-7; Photo p. 93. Loc 233. Working mine with headgear at top of hill. Can see water at foot of shaft. Fluorite colourless to purple; barite, pink & white cockscomb, assoc. w. purple fluorite, often in characteristically banded groups; dog-tooth calcite; galena in big lumps with occasional small xls cerussite & anglesite. A good loc. NB Greg & Lettsom (1858) "Cerussite & well crystallised anglesite" "at Crich".

Mem GSN Derbs (1887) 155. N of Crich Stand [Hill]. Worked down to 135 fms by which depth getting v. poor. LONG GATE, & Ridgeway Level [eqv] runs N along

Wakebridge Pipe to Glory V, which runs W 27°N
e runs E along it.

→Pub. JIW, MCeRSoB J Russ S (1935) 48-9

JIW e Mark Colledge 2/94. In galena vein on lip of big Crich Quarry in the area of the old GLORY MINE: galena; fluorite colourless to lilac; baryte, white sheafy; cerussite various habits, to mm; minor anglesite; native sulphur, including sharp bipyramidal as well as rounded xls; wulfenite, orange crystals, rarely rectang platy to 2mm, mostly rich, prolific coatings of small steep bipyram xls, occas to >2mm. IR fluor wulf (or stolz); HCl, heat → dark blue stain.

1" III SK 1 7

GLORY MINE, Taddington, Derbs

Mem GS N Derbs (1887) 140 Glory Mine now being worked to 30 fm in an E-W Rake.

1" III SK 2905 5563

GOD BE HERE MINE, Cromford, Derbs

See also GANG MINE, VEIN etc.

On GANG VEIN, between Cromford moor and Dovegang mines. Presumably = GOODBEHERE = GODBER MINE

GODBER MINE, Cromford, Derbs.

See GANG MINE; GOD BE HERE MINE

1" III SK 287 575

GOLDEN GAP, Bonsall, Derbs.

JM's 25" map shows "Golden Gap" at above loc.
Part of Ball Eye Mine?

PIPE 1" III SK(25) 247554

GOLCONDA MINE, Hopton, Derbs.

~~See also UPPER GOLCONDA MINE; CHANCE M., Hopton.~~

Griffe Grange. [confused with, at Hines?]

C. Porteous (1950), p. 82.

Farey (1811): GOLCONDA PIPE, griffe, in "4th Lime". Lead; immense caverns.

IDF & WASS, PDM1 (1964) A highly unlikely find of radium in zinc blende was claimed in Golconda mine, Brassington — Puttrell press-cutting coll., Sheffield Ref. Lib. Local History Coll.

Mem GS N Derbs (1887) 152: GOLCONDA M. v. rich ca

middle of last century [ie. 18th]. NW vein, with enormous caverns. Current shaft on an anticlinal axis, 70 fms deep – 52 fms of "dunstone" (dolomitic l'st) & 18 fm limest. / galena between dunstone & l'st, but caulk [baryte] main produce, with specks of copper pyrites.

Ford & Serj (1964) Chalcocite

1" III SK(25) 249552.

Upper Golconda mine, Griffe Grange, Derbs. (Hopton).
See also GOLCONDA MINE; CHANCE M., Hopton (Possibly = ?)

6-in. map XXXIV SW (1924): lead.

Geol Survey 6" map: Baryte with calamine and galena.

BM: vg anglesite; aurichalcite (Π-terminations).

AR (AWG-K): aurichalcite.

J.Sweet MM 22 257 (1930): Baryte (Loc 24).

RSWB, GR, & GS, 5/60: See Field Report, p 87. loc 234 Dumps contain imported material, eg chromite from Phillipines, assoc. with silicates; also material from Crich, Castleton, etc.
Own dumps have calcite; plenty baryte; v.little fluorite; good hemimorphite with green Cu mins. in vughs; galena.

C.Porteous (1950), p. 82.

~~Farey (1811): GOLCONDA PIPE, Griffe, in "4th time". Lead; immense Caverns.~~

RD Parkinson (1961) Priv Comm. VG Aurichalcite & rosasite ("In manager's office")

SRMRGB 26 (1923), 81. Galena. Cavities in caulk lined with smithsonite (occas.) & hemimorphite. Occas. films of malachite (derived from specks of chalcopyrite).

GOODBEHERE MINE, Cromford, Derbs.

See GANG MINE; GOD BE HERE MINE

GOODLUCK MINE, Cromford, Derbs.

See GANG MINE

1" III SK 2 5

GOODLUCK (BURDET'S) MINE, Wirksworth, Derbs.

cf GOODLUCK MINE (GANG v.) Cromford. cf MEREBROOK SOUGH M. Farey (1811): NE of Wirksworth [∴ not the "Goodluck Mine" by Via Gellia], in "1st Lime". Lead; Horse-gin pumps.

1" III SK (25) 270565

Goodluck mine, Middleton by Wirksworth, Derbs.

PH

6-in. map XXXIV SW (1924): in Middleton Wood; lead, dis.

Loc 237

RSWB 16/12/60. See Field Report, p134. Above Via Gellia; large, largely blackened limestone dumps. Collapsed level? above dumps. Dumps old & weathered but small quantities of interesting minerals: Some dog tooth calcite; plenty baryte, some cockscomb; plenty small pieces of galena assoc. w. baryte (no sec'y Pb mins found). Traces Cu mins: ?malachite; azurite; ?rosasite; trace fluorite; goethite
> assoc. w. barite (cf Grassington Moor)
A line of shafts & dumps leads up hill above this mine towards dumps near Mountain Cottage. Is this an extension of one of the Bonsall Mines veins?

DUMPS NR. MOUNTAIN COTTAGE, at 271564 Loc 238 Pale blue radiating aragonite; galena; baryte; calcite, dog-tooth & Iceland spar.

Fareys List (1811). Cromford – goodluck.
Worksworth – Goodluck (Burdets) ← But this in NE of Wirksworth

CHESTER EVENING NEWS 3
Tuesday October 17 1972

Good luck...

THE long-disused Good Luck Mine, 150 feet up a hillside in the Via Gellia Valley, near Matlock, near Derbyshire, has been bought by Post office technician **Ron Amner** and a Derby business man.

Mr Amner spends most of his weekends working in the mine, and has paid his "toll" to the ancient Barmote Court, which has ruled the Peak mines since 1288. The toll was 1½ cwt of dressed lead ore — enough to fill twice a bronze measuring dish presented to the court by Henry VIII.

1" III

SK (25)

GORSEY-DALE MINE, Bonsall, Derbs.

Farey (1811): Near Bright-gate, in Bonsal, in "3rd Lime".

Lead; two toadstone beds.

1" III

SK(27) 231736

GOSPEL MINE, Calver, Derbs.

RSWB, GR, GS & JN, 23/4/61, See Field Notes, p167. Small dumps, largely grassed over. Fluorite; calcite; a little galena.

1" III SK(07) ~~SH 753~~ 032 7215

GOYT COLLIERY, Hartington Upper Qr., Derbs.

OS 6" map: Shows level at 032 722

1" III SK(07) 011 734

GOYTSCLOUGH QUARRY, Hartington Upp. Qr., Derbs.

1" III SK 29 60 ?

GRANBY SHAFT, Matlock, Derbs.

Farey (1811): At Matlock Bank, in Shale a "1st Lime". A trial.

1" III SK. 276_5 5950 – 278_2 5970

GRATTONS VEIN, Wensley, Derbs.

JM's 25" map labels "Grattons" a NE-SW vein at above loc., by Lea Wood.

1" III Eyam or SK 2 7

GREAT CUTLET MINE Stony Middleton Derbs

PDMHS Coll. has photo: "gt Cutlet Mine, Middleton Dale Rift"

GREAT-PITS MINE, Cromford, Derbs.

See GANG MINE

1" III SK 3 6

GREAT RAKE, Ashover, Derbs.

See also MILLTOWN QUARRY; STARRS WOOD MINES;

1" III SK $264_7 570_4 - 272_5 572_0$

GREAT RAKE, Bonsall Leys, Bonsall, Derbs.

See also GREAT RAKE, Matlock; BONSALL MINES;

Bonsall Leys Map (1854) (See Plans File) labels "Great Rake" an ENE-WSW vein at above loc. (This is different from the Great Rake, Matlock, Matlock Bath & Bonsall.)

The Great Rake crosses Red Rake, Flixen Rake & Massey's Vein, and is parallel to Parson's Rake. ⇔ to Great Rake

Map shows "Old Level" & "Proposed Level" from Via Gellia.

GS 6" map shows another set of parallel lead veins in this area — Bonsall Mines, but Great Rake itself is not shown.

Carsington, nr. 1"111 SK(25) 240536

GREAT RAKE MINE, Brassington, Derbs.

J. Sweet, MM 22 257 (1930)
Barite (Loc 25).

OS 6" map. Lead mine.

J.S. Neil "Brit Mins" (1907) galena.

RSWB 28/1/62. Vol I p 228. galena in calcite + baryte matrix

Mem GSN Derbys (1887) 152. GREAT RAKE, WNW worked to 70fm.
Much baryte

1" 111 SK 3 5

GREAT RAKE, Crich, Derbs

See also OLD END MINE

1" III SK 277585 – 303589

GREAT RAKE, Matlock (M. Bath, & Bonsall) Derbs

2758
2858
2958
3058

See also RUTLAND CAVERN, MASSON CAVERN; STUBBIN LOW VEIN
NOT = "Great Rake" in Bonsall Mines

GS 6" map: E-W vein, carrying lead & fluorine at above loc.

JM's 25" maps show Great Rake near above loc. A portion from 282585, to near 288586 is labelled "Catstone" Part of this portion, in Bonsall Pk, is in roadstone, accordg to GS 6" map. A portion at Masson Cavern entrance rift, in Matlock Bath, is labelled "Bysweep" and a portion immed. to the W of this, also in Matlock Bath, is labelled "Bacon Rake".

High Tor Grotto is shown to be on the Gt. Rake.

The Catstone portion is crossed by

Stubbin Low Vein, shown 11" to, & S of, the Great Rake. Part of the "Great Rake" shown in the GS 6" map is here labelled "Stubbin Low Vein"

Mem GS N Derbs (1887) 148. Crosses river at the Paint Mill where workings carried to 20 fm depth pumped by a water-wheel. Warm water.

1" III SK 1073, 1074

GREAT ROCKS DALE, Wormhill, Derbs.

Mem GS N Derbs (1887) 159. Acc. to Pilkington (1789) p 142... "some years ago a slender vein of copper ore was found & worked at Great-rock Dale betwixt Tideswell & Buxton.

1" III SK(07) 094765

GREAT ROCKS WORKS, Wormhill, Derbs

OS 6" map: Lime works, at Peak Dale.

GREAT or BIG SHAFT, 1" III Wirksworth, Derbs. SK(25) 298,550

Geol Survey 6" map: On Merebrook Sough, by Sough Lane.

GREAT SUN VEIN, Eyam, Derbs.

See BLACK HOLE VEIN

1" III SK(18) 170 809 - 172 810

GREAVES CROSS VEIN, Bradwell, Derbs.

DCC 2½" map labels "Greaves Cross" a section of Moss Rake at above loc, which becomes "Portaway" to the W

1" 111 SK(25) "219s 542"

GREEN-LINNET MINE, Brassington, Derbs.

(C. Rogers)

NB. "green Linnet" means "PYROMORPHITE".

Farey (1811): West of Brassington, in "4th Lime". Lead; China Clay; green Ore [= pyromorphite].

Mem GS N Derbs (1887) 126 Green Linnets mine, nr. Brassington Fragments of galena in marl or loam, partly or wholly converted to carbonate, also phosphate, according to ..... De La Beche, "Geological Observer" p 692

1" III SK(15) 158579

GREENRAKE Plantation; Hartington Nether Qr., Derbs.

OS 6" map: Has "Old Lead Mines".

1" III SK(17) 1925 7615

GREEN SHAFT, Foolow, Derbs.

See also WATER GROVE SOUGH, WATER GROOVE PIPE

MRO Map : On Water grove Sough. A brandh leads N from here.

GREEN-SWARTH RAKE, Ashford, Derbs

See GREENSWERD RAKE

MINE 2 1" III SK(16) 147683-165673

GREENSWERD RAKE, Ashford, Derbs.
or GREEN-SWARTH RAKE

Farey (1811): Ashford, 1m NE of Monyash [i.e. near HARD RAKE], in "1st Lime". Lead; clay wayboards.

GS Old Series 1" map (1852) shows "greenswarth Rake" at ca. 16,676

Rieuwerts "Lyre" (1960) 3 29: "greensward Rake" - vein in Lathkill Dale.

G.E. Bacon's Chart shows "Greenswath Lode" from 147683, joining "Mandale Lodes" at ca 165 673. (See 2½" map)

JHR, Bull PDMHS (1963) 2 9 ^ Map shows "greensward Mine" near 163 673, on G. Rake [where OS6" shows "Old Lead Mines"]

1" III SR(25)

GREENWAY-FIELD MINE, Cromford, Derbs.

Farey (1811): In "1st Lime". Lead; calamine.

GREENSWARD RAKE, Ashford, Derbs

See GREENSWERD RAKE

GREGORY FOREFIELD SHAFT, Ashover, Derbs.

See FOREFIELD SHAFT, Gregory Mine.

1" 111 SK(36) 353619.

GREGORY MINE, Ashover, Derbs. (I)

Farey's List (1811): Overton, in Ashover: gregory. (PTO)

Mem. Geol. Surv. N. Derbs (1887) 126, 153 "Antimonated ore of lead" with veins of petroleum.
accord. to Pilkington "A View of the present state of Derbs," p184 ⊙ Fluorite + calcite Brittle bitumen

Geol. Surv. Summ. of Progress (1906), p.7. Fluorite mine, reopened.

SRMRGB XV "As e Sb" (1920) : Antimonial galena.

Dunham (1952), pp. 106-7: Full descrip. Old lead workings extend approx 1m W from Miner's Arms P.H. Present mine entrance 1900' W by N of the Miner's Arms.

Rich Pb mine. Oreshoot in 200' thick limestone between Edale Shale e the tuff followed E beneath shale to depth of >1000' below surface at
↑W?

↗ = NEW FIRE ENGINE?

"NEW FIVE ENGINE" & FOREFIELD SHAFTS. Fluorite abundant, but gives place to calcite in deepest workings down flank of the dome. Incline started recently, dipping E at 1 in 4. & reaches GREGORY VEIN @ 60' below surface. Short X-cut to N has exposed a 6" vein of pale mauve fluorite with galena, now being followed.

RSWB, 15/5/60. Field Note, p.75: Loc 229. Fluorite; calcite; galena.

Farey (1811): at Overton, Ashover, in "1st Grit, shale & 1st Lime". Much lead; antimonated lead ore? Ore in shale; two ribs of ore of different kinds; transparent fluorite with silvery pyrites; large xls calcite; slickensides; bitumen in "1st Limestone"; a shaft 300 yds deep! a large hillock.

AH Stokes "Econ. Geol. of Derbs" Pyrite, large cubic xls

Cont'd ②

GREGORY MINE, Ashover, Derbs (2)

Gregory Mine Section, MRO (1801). Detailed section showing many shafts & levels & drainage (Cockwell) Sough. Shafts include Forefield; New Fire Engine; gear shaft; Old Fire Engine; Old Water; Old Gear; Water and Gear; Gregory's; & Short Furlong Shafts. Gregory Vein rich in ore at intersection with Overton Vein, poor at forefield in the W.

Nether Sough Mine Co. worked Gregory's Mine from Aug. 1734 – 24 June 1737. Worked by Gregory Mine Co, later – Co. formed in 1758. Works at forefield abandoned in 1803.

Farey (1811) p. 328. Dramed by Cockwell Sough.

RSWB, TBG. 9/63 IV, 7-8: On dumps near road entrance:- galena; a little good cerussite; excellent smithsonite almost colourless to black-coated; fluorite, purple, colourless, brownish, & iridescent; sphalerite; limonite; calcite; baryte, pink, and white, "cawk"; traces malachite, also ?? rosasite.

M.P. Cooper (1995) UKJMM 28-29 Enargite x/s on spec's. at Chatsworth House, from Gregory M, Ashover

SK 36

GREGORY'S SHAFT, Ashover, Derbs.

See GREGORY MINE

Gregory Mine Section, MRO (1801) shows "Gregory's Shaft" to (Cockwell) Sough in area of Gregory Mine.

1"111 SK(36) $33_5 61_7$ – $35_5 61_7$

GREGORY VEIN, Ashover, Derbs

See GREGORY MINE; STARRS WOOD MINES

Dunham (1952) pp106-7. Incline started recently reaches Gregory Vein at 60' below surface.

Gregory Mine Section, MRO (1801). Shows vein rich in ore at intersection with Overton Vein.

Mem GS N Derbs (1887) 152-3. Starts @ river, passes 100yds N of Ravensnest (Overton Farm = old name) then to NEW ENGINE Sh., 400 yds N of Holestone (or Hallstone) Fm [ie near Old engine Fm. SK $33_5 61_7$] then bends to W 15°S, followed for 400 yds by 1803 when abandoned. Shallower parts drained by GREGORY or COCKWELL SOUGH. At Milltown,

[Prob = New Fire Engine Sh. [97]]

the G. Vein worked to 28 yds below sough by pumps worked by water wheel in COCKWELL CRADLE [? = cockwell Water Whdel Shaft, q.v.]. A Shaft NW of Ravensnest 120 yds deep; New Eng Sh, 365 yds deep. Vein joined by OVERTON V. 530 yds E of New Eng Sh.

GREYHOUND SHAFT, Ashover, Derbs

See MILLTOWN SHAFT

1" III SK(25) 285553

GREYMARE MINE, Wirksworth, Derbs

OS 6" map: Lead mine.

RSWB 12/6/60 Field Notes, p99: In E edge of Coalhills quarry? Dumps & shaft at 285$_3$553$_0$. Recently worked? Fine grained dumps with baryte; calcite; limonite; fluorite, mainly colourless, a little purple; a little galena.

Farey (1811): In shale & "1st Lime". Lead.

1" III SK(25) 249559

Griffe Bage mines, Griffe Grange, Derbs.

6-in. map XXXIV SW 1924), lead, disused.

GRIFSEL GROVE, Winster, Derbs

See BROWNEDGE

Burbage, nr. 1"111 SK(07) 05 72 ?

GRIN-END MINE, Buxton, Derbs.

(1845)

Adam "Gem of the Peak" p331: vg quartz xls from dumps of Grin End Mine (baryte mine). Main shaft ca 1m NE of the hollow between Grin Low & Lamdmarks Low. Bags of "diamonds" in hollow.

now in M/c mus.

1"111 SK(07) 04 x 72 y

GRIN WORKS, Burbage, Derbs.

OS 6" map: At Grin Low. Lime?

1" III SK $281_5 571_7$ — $282_3 5735$

GROANING TOR VEIN, Wirksworth, Derbs.

JM's 25" map labels "Groaning Tor" a NNE-SSW vein at above loc. probably a N continuation of Hit or Miss Vein.

GROOVE RAKE, Chelmorton, Derbs.

See GROVE RAKE

GROVE RAKE Chelmorton, Derbs. 1" III SK(17) 11 x 704

OS 6" map. Has "Old Lead Mines". OS 2½" (1958) GROVE RAKE

GS Old Series 1" map (1852) has "GROOVE RAKE" at above ref. W of WAM RAKE

Mem GSN Derbs (1887) 140. Groove Rake, W 25°S from Taddington to Chelmorton. = Wam Rake.

GUINEA SUMP, (Frickney Vein), Eyam, Derbs.

See FRICKNEY VEIN; SHALE GATE (Little Pasture)

1" III SK 280 554 – 290 541

GULF VEIN & FAULT, Wirksworth, Derbs.

GS 6" map: NNW–SSE vein & fault.

1" III SK 22 63

GUY SHAFT, Harthill, Derbs.

of BLYTH MINES

Mem GS N Derbs (1887) 142-3 On Hillcarr Sough [qv]. 330 yds NE of Old Engine Shaft. [qv] Working carried 20 fm below the sough, which was at 40 fm.

1" III SK(25)

HADING-VEIN MINE, Cromford, Derbs.

Farey (1811): In "1st Lime". Lead; hades S 1¼ ml. [?]

HAG WOOD SHAFT, Wirksworth, Derbs.

See MEREBROOK SOUGH.

1"111 SK(16) 180650 (?)

HAGUES GROOVE, Youlgreave, Derbs

Farey (1811): In Callenge-Low, near Monyash, in "1st Lime";
Lead: a crooked Rake.
["Calling Low" in Youlgreave, 2m ESE of Monyash, is at SK16 180650]

1"111 SK 210 754

HALLAMS GROVE, Stony Middleton, Derbs

See also MAIN RAKE, etc.

N. Kirkham, Bull PDMHS 3 [6] 329 (1968). On MAIN RAKE just W of SIDDALLS GROVE [qv]

1" III SK(18)1595 805

HALLAMS VENTURE or HARTLEDALE BOTTOM MINE, Bradwell, Derbs.

DCC 2½" map labels "Hallams Venture or Hartledale Bottom" a mine or shaft at above loc, on Moss Rake

1" III SK(26) 278634

Halldale quarry, Darley Hillside,

Darley (near Two Dales), Derbyshire.

6-in.map XXIX SW (1923): disused quarry.

1" III SK . 28205696 – 28365705

HALLICAR VEIN, Wirksworth, Derbs.

JM's 25" map labels "Hallicar" a NE-SW vein at above loc.

HALL RAKE, Hazlebadge, Derbs.

See HILL RAKE

1" III SK(18) 155, 815

HALLS BRADWELL MOOR MINE, Bradwell, Derbs.

DCC 2½" map labels "Halls Bradwell Moor" a mine at above loc.

1" III SK (17) 192761

HANDCOCK SHAFT, Foolow, Derbs.

See also WATER GROVE SOUGH, WATER GROOVE PIPE

MRO Map : On Water Grove Sough

1" III 14 61 | SK16 145 612-3

HAND DALE, near Hartington, Derbs. H. Town Q.

SRMRGB IX "Fe..." (1919) p 25. Haematite from Hand Dale "shafts up to 40 yards deep."

OS 6" map: "Old Pit (Ironstone & Lead)" at 145613; "Old Level (Ironstone & Lead)" at ~~145612 (or 147612)?~~ 145 5 6115

RSWB 5/3/61. See Field Notes, p. 141-2. Descriptions of above. Calcite & haematite staining at both. Old level is open.

22/4/61. p. 164. Photos, p 169. Explored the Level. Dead straight, at 5° mag for 250 yds (paced by GR) to Shaft, where almost completely blocked. Could be dug out easily? Excellent cave pearls, small stalactites & stalagmites

1"III SK(27) 206₀760₁

HANGING FLAT LEVEL, Eyam, Derbs.

See also BRUSHFIELD RAKES.

N. Kirkham. "Brit. Caver" 25 (1954). Map shows "Hanging Flat Level" in Middleton Dale, crossing Watergrove Sough, at 206₀760₁ [in region of BRUSHFIELD RAKES] NEW GATES SHAFT above level mouth, at 206760₅

1" III SK(25) 26 59 ?

HANG-WORM MINE, Bonsall, Derbs.

Farey (1811): At Bright-gate, Bonsal, in "3rd & 4th Lines". Lead.

1" III SK 281551 →

HANNAGE SOUGH, Wirksworth, Derbs.

GS 6" map: From Gulf Vein at 281551 to S. of Wirksworth (map not complete).

Stokes. A.H. Trans Chestf'd & Derby Inst Ming Eng 8 67-198 (1881).
At Millhouses, S of Wirksworth. 1½ miles long, finished in 1740.

Farey (1811), p 329: S of, and under, Wirksworth town, from Millhouses. 1¼ m long, in shale, 1st & 4th Limes. Finished ca. 1740.

Mem GS N Derbs (1887) 142 Started ca 1693? Finished ca 1740.

Drains into the Ecclesbourne at Millhouses, a few hundred yds
S of Wks. Stn. & runs to Ratchwood M. Warm water.
[NB "Warmbrook" SK 287 536]

1" III SK(25) 242552

HARBOROUGH CAVE, Brassington, Derbs.

1"111 SK 21 73

HARD PIECE MINE gt Longstone Rowland, or Hassop Derbs

Mem G-S N Derbs. (1887) 139. Between Hard Sh.
& White Coe mine

1" III SK(35)

HARD RAKE, Crich, Derbs.

Farey (1811): In "1st Lime". Lead.

1" III SK(27) 207725-8

HARD RAKE, gt. Longstone, Derbs.

GS old Series 1" map (1852) shows "Hard Rake" at above loc.

HARD RAKE, Sheldon, Derbs.

See ~~Ashford~~ HARD RAKE MINE, Ashford

HARD RAKE MINE, Ashford, Derbs SK(16) 161682

OS 6" map: Near HIGH LOW. Lead Mine.

Farey (1811): Hard Rake, Sheldon, in "1st Lime"; lead; calamine.

Shown in a geological section as a "zinc mine".

J.S. Neil "Brit Mins". Sheldon - Hard Rake: galena; baryte; blende; calcite.

GS Old Series 1" map (1852) Shows "Hard Rake" as E-W Rake from 152682 — 193678 & Eastern part called "Magshow Rake" (q.v.)

MRO Map R206 (Plans File) shows part of "Hard Rake Vein" near 164 682

1" III SK (27) 211 712?

HARD SHAFT, gt. Longstone, Derbs or Hassop?

GS Old Series 1" map (1852) shows "Hard Shaft" near above ref.

Rieuwerts Bull PDMHS (1960) 1 [3], 3. On S slope of Longstone Edge. between Ash Nursery & Waterhole Mine.

Mem GS N Derbs (1887) 139. Sunk 50 fm to toadstone on SE branch of High Rake

HARE-DALE MINE, Bakewell, Derbs

See MAGSHAW MINE

1" III SK 310 685

HAREWOOD Lead smelting cupola, Beeley Moor, Beeley

HIPPER SLAG MILL Derbs. (I)

Beryl Taylor (1991) Mick Cooper has found (~1989) a slag dump with v. interesting & unident species. - several.

Near a bend in the road & by a stream, Tiny hole, a few feet across & material in stream.

Samples coll. by BT examined (10/91) by FTIR.

C'less transp rods, some terminated 卅, also striated blades. ≃ BaS_2O_3 H_2O ORTH. ✓✓

C'less plates in glob. cluster = BaS_2O_3, BaF_2 TRICL. ✓

Red "cubo-oct" = Litharge.

Deep red rect plates = no abs. ∴ No oxyanions

yellow thin micaceous = "ORANGE" phase
[mon, ψ-hex] from Surrender etc.
Hex pearly plates & pyramids = NOT leadhillite grp
but a THIOSULFATE with H_2O

V. pale yellow spherules & sub-glob aggs of indistinct x/s = a THIOSULFATE with OH & poss H_2O

RSW Braithwaite AR Kampf RG Pritchard & RPH Lamb.
Mineralogy & Petrology (1993) 47 255-262 -
Orth Ba thios. monohydrate; tric Ba thios fluoride;
mon Ba Al trisulphate OH hydrate (orange); a
hydrated thios in c'less pearly hex plates & pyrams & micac clear
& an OH thios as pale buff spherules.

1" III HAREWOOD Cupola, SK 3$_0$ 68$_5$
~~BEELEY MOOR~~, Beeley, Derbs (II)
? or LONGSIDE MOOR, Walton, Derbs
See HAREWOOD cupola - HIPPER SLAG MILL
M.P. Cooper. has found a slag dump containing numerous interesting and unidentified species. ~1989

Near a bend in the road and by a stream. A tiny hole a few feet across of material in stream. Among material is orange-yellow ?hex plates [cf. Surrender Mill, Yorks?]. Poss. at Slagmill Plantation ~SK 3$_0$68$_5$.

1" III SK(25) 296 570

HARP EDGE CUTTING, Matlock Bath (& Cromford), Derbs

RSWB, 19/3/61; 26/3/61; 23/4/61. See Field Notes, pp 149-152; 157-8; 166.
Photos & site & specimens: pp 152; 159-161; 170. Loc. 241.
Road widening scheme of 1961 at Horst just N of Cromford X-roads.
Carb Lim of D2 age (GS map) exposed. Very rich in minerals in the N portion - the Matlock Bath, Harp Edge, side.
Country rock partly dolomitised partly silicified, in patches. Partly metasomatically replaced by fluorite. Two "old man's" tunnels seen, both leading downwards to SW. Limestone crossed by veins & scrins of three types:

(1) Baryte-galena-fluorite scrins. V. thin. In openings, cerussite & ?anglesite on the galena. No Cu mins. Smithsonite, hydrozincite.

(2) Calcite veins. Wider, one 10cth xls of dolomite, on hanging wall, (with goethite-coated chalcopyrite xls). Calcite is dog-tooth, often

giant → up to 1 foot long. with fine, sometimes clear xls in vughs. Somewhat ferruginous.
In (mainly in one layer of growth) & on the calcite are Cu mins:
primary = chalcopyrite, altering to malachite (checked - IR); rosasite
( ); aurichalcite (checked, IR), leaving limonitic kernels (cf.
Rutland Cavern parageneses). Pale blueish-greenish-white smithsonite
-acicular-botryoidal, looking like "white auri" (checked, IR).
(3) Dolomite veins, Thin, probably related to Type (2) veins.
Fluorite metasomatic patches often drusy & cavernous. Clear
cubes fluor often iron stained - surface washes off when scrubbed!
On the fluor, zinc sec'y mins, eg smithsonite, pale yellow, white, or
blue, botryoidal; hydrozincite (checked, IR) white radiating-botry
crusts. Some purple fluorite.
Silicified patches have holes lined with clear quartz var rock xl
with short prism faces: ⬡ ⬭. Occasionally, chalcopyrite xls on
the quartz.

1" III SK 2925 5710 – 2940 5718

HARP EDGE VEIN, Matlock Bath, Derbs.

JM's 25" map above labels "Harp Edge" a NE-SW vein at loc.
(This is 150ˣ NW of the Harp Edge road widening site —RSWB)

1" III SK(27) 227732

HARRYBECCA MINE, Hassop, Derbs.

See also NEW CASTLE ROAD.

Dunham (1952) pp 91-92: Shaft ca 240' deep on an E-W vein which has been stoped up to surface. White Coe Shaft (see sep. card) on same vein. Excellent quality coarse greyish e greenish fluorite; galena; baryte; calcite. Dumps being turned over.

Rieuwerts; Bull PDMHS (1960) 1 [3], 3: Main shaft 40 faiths deep Several shafts about. Vein seen in situ at some scrins above H. Mine. Old man's workings seen e entered. Worth the effort - large xls fluorite got.

Mem GS N Derbs (1887) 139. Ca 40 fm deep

N. Bartlett

Russ Soc Newsl (2000) 37, 3. Opal pale blue vitreous to translucent "tears" to 8 mm aligned on fracture surface of dark list, from old dump nr BACKDALE Q'y, Calver, prob. from Harrybecca mine.

1" III SK(07) 06 x 70 y

HARPURHILL WORKS, Burbage, Derbs

OS 6" map: Lime works.

RSWB 23/10/60. Big lime works. Quick look – no quartz found.

1" III SK 22 64

HARTHILL, Derbs. (I)

Mem GS N Derbs (1887) 142-144. [At the centre of a vein complex in parishes of Harthill, Youlgreave, Stanton & Nether Haddon]. Veins in two sets, ca NE & ca NW, minerals similar. NE often called pipe or cross-veins, NW veins or rakes, in old literature.

NW veins, from E-W: SELLERS; BOWERS; MILKING-SPAR; WHEEL'S RAKE; DITCH RAKE or CASLOW or HABNAB V.; COBBLER; ABBOT HOLES; SUTTON; CATHOLE; DANGER; OLD LEEWALL; GUY; BACON or BACON

CLOSE; MARSHALL or PYENEST, & WENLEY HILL Veins.

BOWERS V [qv] E 43°S. Seen in opencasts on N side of road

SELLERS [2365] & MILKING SPAR worked for a few yds only.

WHEEL'S RAKE [qv]

SUTTON VEIN worked in:- BLACK SH.
NICKERTOR M.
TAYLOR'S SH.
BROAD MEADOW ENGINE Sh.

2164-2264?

ABBOT HOLES V. [See ABBOTS-HOLE V.]

CATHOLE [qv] and DANGER V, and the E-W CROKE and HARTLE DALE PIPES are seen crossing the river on either side of Rhienstor, ~~[illegible]~~ on R. Bradford, 400 yds above Alport Bridge [ie near SK 218 643].

OLD LEEWALL & GUY V's ca 50 yds apart [see GUY SHAFT]

BACON V. [see BACON CLOSE M.]

HARTHILL, Derbs. (II).

PYENEST V. P. Shaft 50 fms deep. Vein intersects BLACK SHALE V. [see BLACK-SHALE-PITS M]. Old Engine Shaft, Hillcar Sough [q v] is on barren GREAT SHALE V.

WENLEY HILL V. [q v] with MOSSLOW or MORSTON Sh. [see MAWSTONE Sh]

NE veins also rich:

OLD CROSS V. crosses GUY & OLD LEEWALL Vs & runs to Broad Meadow [SK 223 644]. Drained by SHINING SOUGH to river near Wheel's Rake Shaft [? 223 649].

CLAY & CLARK'S CROSS V's. cross Bacon & Guy V's.

CORTON HILL PIPE runs along S side of river

by Youlgreave [ie near 21.640]
HARDWORK V. & BLYTHE PIPE [see BLYTH M's]
cross Wheels Rake in the bank of the brook
from Eagle Tor [Ivy Bar Brook]; ie near SK 23.640]
THE SOUGH VEIN [WHEEL'S RAKE, qv] & BIRCHOVER
VEIN cross the brook further S.
NORTH RAINSTOR (? RHIENSTOR) V. runs from the
N side of Harthill-hall Fm [SK 229 647] down
the Lathkil valley.

1" III SK 13 60

HARTINGTON, Hartington Town Qr., Derbs

R. Garner: "Nat. Hist. of Staffs," (1844); pp 238 ff: Cerussite, "N. of Hartington"; Phosphate of lead (ie pyromorphite), "Hartington."

[N of Hartington could be Ludwell mines, Carder Low]

Mem GS N Derbs (1887) 160 yellow e red ochre - Hartington.

Wad (Farey, 1811, p 407)

HARTLEDALE BOTTOM MINE, Bradwell, Derbs.

See HALLAMS VENTURE

1"111 SK(18) 163 804

HARTLEDALE CAVE, Hazlebadge, Derbs

On Hartledale Vein, qv.

1" III SK(18) 158 801 – 173$_5$ 8095

HARTLE DALE VEIN, Hazlebadge (e Bradwell), Derbs.

See also HARTLEDALE CAVE. NOT = HARTLE DALE PIPE

DCC 2½" map labels "Hartle Dale" a vein at above loc, joining Earl Rake at Chance Mine, Bradwell, at 158801.

1" III SK(25) 296597

HARVEYDALE QUARRY, Matlock, Derbs

Limestone.

1" III SK(25) 292 5925

HASLAM'S PIPE, Matlock, Derbs.

JM's 25" map shows "Haslam's Pipe" at above loc.

1" III SK(36)

HASLAM'S SHAFT, Ashover, Derbs.

See also CROOKED ACRE MINE; GREGORY MINE.

Gregory Mine Section, MRO (1801) shows "Haslam's Shaft" to (Cockwell) Sough in area of Crooked Acre Mine.

1" III SR (17)

HAVE-AT-ALL MINE, gt. Hucklow, Derbs
(= HAVEATAW?)

Farey (1811): "In Shale e'lst Lime". Lead; a fault.

C. Daniel; "Epics of the Edgeside Vein", Derbs Countryside, 23, [4], 22, (1958).
HAVEATAW Mine. A Lead prospector sank all his money into this mine. Profitless. Closed the mine. Threw an old chicken down the shaft in exasperation, saying "'Ere, 'ave it aw!"

1" III SK 2151 2152 (2150)

HAVEN HILL, Bradbourne, Derbs

GS map shows mineral veins crossing Haven Hill, Bradbourne, SK 2151, 2152. Also Old shafts at 216 519 by Bank Top on one of these veins, and on possible southerly extensions, old quarry at 215 517, and old shafts at 211 513 by New House (and at 213 508 by Standlow Farm in Kniveton parish). These are in a Carb. Lim. inlier.

SK 27

HAWKENDALE MINE? Eyam or St. Middleton Derbs.

See OAKDENEDGE SOUGH.

HAYCLIFF MINE, Eyam, Derbs.

See HIGHCLIFFE MINE

1" III SK 217 755

HAZARD ENGINE SH., Stony Middleton, Derbs

See also MAIN RAKE etc.

N. Kirkham, Bull PDMHS 3 [6] 329 (1968) Marked on map on p 339; on MAIN RAKE

OS 2½" map shows "Old Lead Mines" here

1" III SK 24 54 ?

HAZARD MINE, Carsington, Derbs.

J.S. Neil, "Brit. Mins." (1907). At Carsington Pastures. Galena.

1"/11 SK(18) 137812

HAZARD MINE, "Peak Forest" Derbs.

Castleton ph.

J. Sweet MM 22, 257, (1930): "Loc 4" – baryte

Mem GSN Derbys (1887) 130. On branch of Dirtlow Rake

p161 Baryte

With the party beginning to tire, we drove the short distance along Dirtlow Rake to Hazard Pit. Baryte and fluorite crystals were collected. One piece of baryte had the largest crystals I have seen in Derbyshire, *ca* 5cm x 3cm, but it was in poor condition. Maggie Frankum and Dave Puxley found some attractive smaller colourless crystals. Goethite pseudomorphs after marcasite were found washing out of the older tips, some having a core of marcasite remaining. 'Screwstone', a silica replacement of crinoidal limestone was collected from the same tips. Minor pyromorphite was found in both pits. The weary and cold members dispersed at 5pm.

We would like to thank Messrs Broadbent, Pearson and Heston for permission to visit and collect

L SN (1995) 27

1"111 SK(18) 171 802

HAZLEBADGE CAVE, Hazlebadge, Derbs

1" III SK(35)

HAZLEHURST MINE, Crich, Derbs.

Farey (1811): In "1st Lime". Lead.

1"=1M SK(17)

HEDGE RAKE, Tideswell, Derbs.

Farey(1811): NW of Tideswell, in Limestone. Lead.

[Is this EDGE RAKE, Wheston, NW of Tideswell, at 135765? See sep. card]

HELL RAKE, Hazlebadge, Derbs. 2 "Bradwell"

See EARL or HELL RAKE

1" III SK(26) 231608

HEY SPOT SHAFT, Winster, Derbs.

SRMRGB "Ba" (1916) p48. Also SRMRGB "Pb, Zn" [xxvi] yielded green ore & caulk p44 ("Green Ore" = pyromorphite)

A.H. Stokes "Econ. Geol of Derbs." Cerussite at Heyspot mine, nr. Elton.

Mem GS Derbs (1887) 145. On PORTAWAY V. [qv].
Green ore & caulk. [ie pyromorphite & baryte]
p159: At HEYSPOTS M., Elton, wad, in 6"–2 ft layers on sand & blocks of l'st., below which is a pipe of lead ore, according to A.H. Stokes, Economic Geol. of Derbyshire.

1" III SK(27) 213772

HIGHCLIFFE MINE, Eyam, Derbs.
or HAYCLIFF MINE

Dunham (1952), p. 85: Map. p. 95. Table. On Dustypit Vein.
Fluorite.

C. Daniel. "Epics of the Edgeside Vein"; Derbs Countryside 23 [4], 23 (1958):
"Haunted" by slickensides. Explosive. Incidents described
by Whitehurst & by Ebenezer Rhodes.
"HAYCLIFF MINE" is old name

Farey (1811): Hay-cliff (or High-cliff), Bretton, Eyam, in shale &
"1st Lime"; much lead; slickensides.

JHR. Bull PDMHS 1 [3], 10 (1960): MOORWOOD sough orig intended to
drain Highcliffe or Haycliff M. Stopped at CLIFFSTILE M, then

extended past GLEBE M towards Haycliff M.

Mem GS N Derbs (1887) 138 Moorwood Sough stopped ca 400 yds short of Highcliffe mine. Commenced ca 1750

W. Jones, "The Treasures of the Earth" [1879 or earlier]
HAYCHFF MINE ... Expl. slickensides event described

1" III SK(27) 22 75?

HIGH-FIELD MINE, Stoney Middleton, Derbys

See also HIGH-FIELD SOUGH.

Farey(1811): In "1st Lime." e Toadstone. Lead.

OS map shows "Highfields Farm" at 220 752.

1"111 SK(27)

HIGH-FIELD SOUGH, Stoney Middleton, Derbs.

See also HIGH-FIELD MINE

Farey (1811), p 329: SW of Stoney Middleton from Combs Dale, in 1st Toad & 1st Limestone.

1" III SK(25) 290 588 See also MASSON CAV MASSON MINE

HIGH LOFT (KNOWLES) MINE, Matlock. Derbs

~~Near back entrance to Masson Cavern.~~ Mr Pearson's Mine (ENA)

RSWB 1959-60 Loc 211 White dump. Much fluorite, calcite; some quartz; iridescent iron stained fluoritic matrix has white ? smithsonite and ? hemimorphite in vughs.

Geol. Surv. Summ. of Progress (1906) p.7. Fluorite mine, reopened.
[Now closed – RSWB, 1959]

"Fluorite from here used in smelting copper at Ecton"
Dunham.

~~Spec Rep Min Res~~. Fluorite (MSZ) Fluorite Map of workings and shafts. PTO

Farey (1811). Knowles, Masson Hill, Matlock, in "2nd Lime".
Lead; fluorite; large caverns.

1" III SK(16) 15 68

HIGH LOW, Ashford, Derbs.

OS 6" map: "Old Lead Mines".

Farey (1811): HIGH-LOW PIPE, Monyash, in "1st Lime" & Toadstone; lead.

GE Bacon's Chart shows numerous mine shafts N of Magpie Lode, at High Low, at ca 155 685

MRO Map R 206 (Plans File) shows "Highlow Mining Ground" near 158 684

Hubberdale Mine Section (Plans File) shows "The Higlow Gate" shaft.

Stokes' Map (1881) gives "CALAMINE" about here

1" III SK(35) 353 596

HIGHOREDISH QUARRY, Ashover, Derbs.

1" III SK (27) 21 x 736
1773 - 2173

HIGH RAKE, Gt. Longstone. (T)

Dunham (1952) p. 91: Extensive opencuts & dumps along ENE rake workings for nearly a mile. Not yet worked as intensively as its E continuation, DEEP RAKE & no veinstuff is exposed in place. Limestone walls 20-30' apart. Proportion of baryte increases W-wards Fluorspar; baryte on dumps.

Rieuwerts Bull PDMHS (1960) 1 [3], 3: Continuation of Deep Rake. Huge hillocks. Backfilling now dug for fluorite. Heap of galena at dressing plant. Some iridescent, not common in Derbs. galena. [This should be at ca. 206 732 from his description].

Mem GS N Derbs (1887) 138-9 W part of Deep Rake, crossing Cressbrook Dale [in SK 1773]. Spar [calcite] • Baryte

BWB 4/71 Being opencasted, then filled in, ENE of SK 205 732.

Fluorite, colourless, some granular purple; galena; ~~sphalerite~~ calcite; baryte, pink massive to creamy white "cawk", a little as thin secondary blades in vughs. Hemimorphite radiating, with xl surfaces. Limonite, big lumps. Anglesite, minute but perfect crystals; cerussite; smithsonite.

HIGH RAKE, Gt. Longstone, Derbs (II)

RSW (2000) 37, 14. 10/6/00. Fluorite, baryte, galena, good hemimorphite, baryte, abundant smithsonite, cerussite, ? anglesite, gypsum, trace pyromorphite, hydrozincite

1" III SK 17 16a 778

HIGH RAKE, Little Hucklow, Derbs.

[Farey's List (1811): Tideswell: High-Rake, in "3rd Limestone" & toadstone. Lead; ore in toadstone]

JHR. Bull PDMHS 1 [3] 10 (1960) W continuation of HUCKLOW EDGE RAKE [Eyam]. Worked to ca 720' deep in limestone at HIGH RAKE MINE.

Mem GS N Derbs (1887) 133 To W, Tideslow Rake; to E, Hucklow Edge Rake. High Rake Shaft, ca 1½ mls NNE of Tideswell. [ie ca SK 16 77]

JHR Bull PDMHS Shaft 164 778 to 720'. Never bottomed toadstone (1964) 2 175] - costly failure, in 1834-1853

1" III SK 297 589

HIGH TOR, Matlock, Derbs.

See also HIGH TOR GROTTO, HIGH-TOR RAKE, FERN CAVE, ROMAN CAVE; SIDE MINE;

TDFeWASS, PDMI (1964) Fluorite, yellow or red, with limonite inclusions.

1" III SK(25) 296 589.

HIGH TOR GROTTO, Matlock, Derbs.

See also ~~HIGH~~ TOR etc

C. Porteus (1950) p 72: Close by Side Mine (see sep. card). Found in 1820. Fine crystallisations. MJB Baddeley: 12' below High Tor tunnel. Trains cause sound like thunder. T.L. Tudor: In wide pool in lowest part (below Derwent), surface vibrates to strokes of pumping engine at Millclose Mine, 3 miles away :. connected?

JM's 25" map shows "High Tor Grotto" at ca 296 588$_5$, on the Great Rake.

P. Smith (11/61). Fine calcite x/s.

1"111 SK(25) 2958? or 2959?

HIGH-TOR RAKE, Matlock, Derbs.

See also HIGH TOR, etc.

Farey (1811): Near Starkholmes, in Shale a "1st Lime". Lead; yellow Ochre.

1" 111 Portal SK(26) $258_5 6375_5$

HILLCARR SOUGH, Stanton, Derbs. (I)
e Harthill

OS map: "HillcarrSlough"

Mawe "Min. of Derbs" (1802), p. 53-4: Youlgrave... one of longest levels in this country from the Derwent to Alport, called the "Helcarr Sough" — nearly 4 miles — cost £50,000.

Stokes A.H. Trans Chestfd e Derb Inst Min'g Engg. 8 (1881). From Derwent at 500 yds from NW end of Hillcar wood. Mouth a low stone arch, with boathouse for inspection e repair boats. Goes to Alport, then Youlgreave. Longest of all, 4 miles; cost £50,000, started 1751, took 21 yrs to build.

Rieuwerts "Lyre" (1960) 3, 29: In 1779, Mandale [?], Lathkilldale,

Pasture Rake, Smallpenny, Mycross, Greensward, Sideway & Warmbath Veins and Others, in Lathkill Valley, dispossessed & given for use of the Hill Carr Sough masters ∴ MCS was to be driven up L. Dale? A branch was commenced from Bradford, below Youlgreave, but abandoned because of hard rock when under fields towards Conksbury Bridge.

Farey (1811) p 329: Almost from Darley to Yolgrave, ca 3 m., passing under Stanton Moor, from the Derwent, in Shale, Shalestone, & 1st Lime, to BLACK-SHALE PITS; BACON-CLOSE; CRASH-PURSE, & other mines, besides a Cong branch N to the Stanton Mines. Cost £50,000 driving. Boats were used in it.

Mem GS N Derbys (1887) 142 From Derwent 1½ mls S of Rowsley. Navigable for 2⅓ mls, then various branches.
Shafts: BROWN BANK, OLD ENGINE, GUY sh.
Thornhills Sough is a branch from nr Cow Close

1" III ~~Port~~

HILLCARR SOUGH, Stanton e Harthill, Derbs (II)

From portal to a point 300 yds NE of Nine Ladies [ie ca 245_5 637_5], to Brown Bank Sh by brook 400 yds N of Eagle Tor [ie ca 231 630] then NW to Old Engine Sh, 400 yds W of Greenfield [2263. Upper Greenfields, 225 638; Lower Greenfields 222 637]. Then branches. 40 fm below surface @ Guy Sh 330 yds NE of Old Engine Sh. ~~[illegible]~~ p165. Pelkington (1789, p 174) says several persons killed by an explosion of "inflammable air"

1" III SK(17) 1975 7615

HILL GATES SHAFT, Eyam, Derbs.

See also WATER GROVE SOUGH (Foolow); BRUSHFIELD RAKES.

MRO Map : On Water Grove Sough in region of Brushfield Rakes, where Sough enters roadstone.

1" III SK(16) 145 672

HILLOCKS MINE, Monyash, Derbs.

J C Gilbert, Cave Sc., 3 [21] (July 1952) p223. With plans (see "plans" file) & photos. At 925'OD Natural caves + lead mine. Some or all sections mineralised, because of quantities of gangue remaining - calcite & fluorspar. Detailed description of mine.

RSWOB, GR, GS, JN, 22/4/61 See Field Notes, p164. Soft white friable ..... ?

GE Bacon's Chart. Crossed by, or on, Knotlow Wharf (see Knotlow Mine.

1"111 SK(18) 17x804

HILL RAKE, Hazlebadge, Derbs.
or HALL RAKE

OS 6" map: Lead mines. - "Hill Rake"

DCC 2½" map labels "Hill Rake or Hall Rake" a ca E-W vein E of Bradwell Dale, from 171803 - 176804. W of Bradwell Dale the vein appears to continue as "Earl Rake or Hell Rake"

HILL SHAFT, Monyash, Derbs.

See KNOTLOW MINE

1" III SK(26) 265 615

HILL SIDE MINES, Wensley, Derbs

GS Old Series 1" map (1852) shows "Hill Side Mines" at above ref.

1" III SK(17) 1677?

HILLS RAKE, Little Hucklow, Derbs. 1777

See also HIGH RAKE. & HILLS RAKE, Tideswell.

Farey (1811): Hills Rake at Windmill House, nr Gt Hucklow, in "1st & 3rd Limes". Lead; yellow Ochre; the great Limestone Fault.

Under "Tidslow Rake": the Gt Limestone Fault crosses Tidslow Rake in Hills Rake

OS map: "Windmill" is at 170779, on HIGH RAKE.

SK 17

HILL'S RAKE, Tideswell Derbs.

See also. TIDESLOW RAKE & HILLS RAKE, Little Hucklow

1"111 SK(17) 127794

HILLS VENTURE MINE, Peak Forest, Derbs.

(Not far from g. Workman's house "Stonebrack"!)

1" III SK(17) 174779

HILLTOP MINE, Gt. Hucklow, Derbs.

OS6" map: Lead mine

On W continuation of (S branch) Hucklow Edge Rake

HILL-TOP MINE, Middleton, Wirksworth, Derbs. 1" III SK(25)

Farey (1811): S of Middleton by Wirksworth, in "3rd & 4th Limes."
Lead; gravel; squinted N; deep, large hillocks.

1" III SK(35) 353543

HILTS QUARRY, Crich, Derbs.

1" III SK(15) 164 566

HINDLIP QUARRY, Eatone Alsop, Derbs.

HINDLOW LIME WORKS, Hartington Upp. Qr., Derbs. SK(06)097680

Harrison RK, Aitkenhead N, Young BR & Dagger PT "Goethite from Hindlow, Derbyshire" Bull GS Gt Brit 52 51-54 (1975) MA 27 252 (1976) 76-2806

Goethite, nodular mamill concretions, aggreg of hemimorphs, prob. ψ after pyrite & prob also to marcasite, in faulted brecciated zone in Carb Lim, ass w baryte galena calcite traces malachite in quarry 800 yd NE of Earl Sterndale church [i.e. near SK 096 076 in area of Hindlow Lime Works].

Xray; anal

HIPPER SLAG MILL, Beeley, Derbs

See HAREWOOD CUPOLA

1" III SK $281_{0}570_{6}$ – $281_{2}571_{2}$

HIT OR MISS VEIN, Wirksworth, Derbs.

JM's 25" map labels "Hit or Miss" a NNE-SSW vein at above loc., probably a S continuation of Groaning Tor Vein.

1" III SK(17) 175 713

HOB THIRST HOLE, Ashford, Derbs

1" III SK(36) 351628

Hockley quarry, Ashover, Derbyshire.

6-in. map XXX SW (1921).

Roy Starkey, Priv Comm 3/80 Millerite found first by Ron Weaver, from "Hockley quarry" [See FALL HILL MINE & QUARRY, SK 3562] (probable error for Fall Hill Me Q)

1" III SK(25 NE) 2928,5825

HODGKINSON'S HOTEL, Matlock Bath, Derbs.

Mr Burton Smith, Priv. Comm, 27/3/60. See Field Notes p 61: Level from the cellar supposed to lead to Bonsall. Publican keeps his beer cool there. Explored by Mr Burton Smith, when a boy, for some distance, but turned back on hearing running water.

Adam "Gem of the Peak", (1845), p. 59. Mentioned. p 70, details: "...one of the best cellars in the kingdom (which has been recently much enlarged)... It is formed in the natural fissure of the limestone rock—originally worked as a lead mine, which passes on under the garden & the temple above, and to a considerable distance beyond."

1" III SK(25) 222560

HOE GRANGE QUARRY, Brassington, Derbs.

Contained a cave, now quarried away.

1" III SK(36).

HOGSLAND CAVERN, Ashover, Derbs

"In a mine at Milltown"

See HOGSLAND SHAFT. [=?]

1" III SK 36 356623

HOGSLAND SHAFT, Ashover, Derbs.

See also ~~FALL HILL MINE~~

Dunham (1952), p.108: On FALL VEIN. Originally ~~worked~~ sunk for galena. Ceased by 1856. Vein carries fluorite; galena; calcite; ~~pyrite~~; blende.

1" III SK(07) 085 782

HOLDERNESS QUARRY, Peak Forest, Derbs.

At Dove Holes

1"111 SK(18) 140812

HOLLANDTWINE MINE, Castleton, Derbs.

OS 6" map: On DIRTLOW RAKE (See sep. card).

J Sweet, MM 23, 257, (1930): "Loc 5", Baryte.

Mem GS N Derbys (1887) 130 p161: Baryte, calcite Dirtlow Rake divides near here

RSN(195) 27

The final location was Dirtlow Rake. We descended the huge Hollandtwine Pit where large 5-12cm scalenohedral calcite crystals were collected. On washing, their grey colour was revealed to be caused by sulphide inclusions. After much deliberation, Frank Ince trudged out with a rockery piece. Fluorite with sulphide inclusions were also found and small baryte crystals were present.

1" III SK (25)

HOLLEY-HOLE MINE, Wirksworth, Derbs.

Farey (1811): In shale e "1st Lime". Lead.

HOLT QUARRY, Matlock, Derbs. SK(25)297598

Limestone

1" III SK 3 5

HOPE MINE, Crich, Derbs

G.S.S.& P. (1906) p7. Fluorite mine, reopened

← ROYAL MINE (9V) 1" 111 SK(25 NE) 291581

HOPPING PIPE or UNDERWOOD MINE, Matlock Bath, Derbs.

P. Smiths Map (Priv Comm) (1959): "Connects to Devonshire Mine". (? KSWB) see below
[more likely to Cumb. Cav.

Dunham, "Fluorspar" (1952), p. 104: Adit on W side of Upperwood Rd., 420 yds NW of Matlock Bath Church. Worked 1910-13. Vein runs S 35° W worked for at least 240 yds. & at far end joins Speedwell Mine workings (1918-27). An inclined drift from old adit [Hopping or Speedwell ?] abandoned 1941 ∵ of water.

JM's 25" map shows plan of Hopping Pipe, at junction of Speedwell & Tear Breaches Veins. Part of Speedwell Cavern.

1" III SK 25 53

HOPTON, Derbs

J.S. Neil, "Brit. Mins" (1907). Derbs: "Hopeton": Malachite; azurite.

W. Adam. "Brief Remarks" (1846): Earthy blue & green carbonate of copper with calc spar & sometimes with a brown oxide of copper at Middleton & Hopton. [? = cuprite]

Mem GSN Derbs (1887) 165. Bitumen, filling cavities in lst (eg in fossils) in a quarry on the Hopton & Wirksworth road, ¼ mi W [?? E] of the former. [¼ mi W is 255 533, ¼ mi E is "OLD QUARRY" at 263 534] PTO

Farey (1811, 175) says that a vein in toadstone NE of Hopton Hall found in 1796 in cutting the Via Gellia road [?? — possibly nr Stone Dene; at ~~[illegible]~~, 258 535] — was 6 in. wide filled with a bright, spiry [?], & dicey [sic!] "coal", v. inflammable, & having thin septa of spar. "He supposes it to have been indurated bitumen".

1" III SK(25)2655, 2656

Hoptonwood quarries, Middleton by Wirksworth, Derbyshire.

△ PH

6-in. map XXXIV SW 1924). See also Snake Mine

Part in 2655 = HOPTONWOOD LIMESTONE M

1" III SK(25) 278555

Hoptonwoodstone quarry, Middleton
by Wirskworth, Derbs.
↑PH

6-in. map XXXIV SW (1924):

Geol Survey 6" map: On gang vein outcrop.

Mr Finch, Riber Mine Manager (26/7/60). Riber closing shortly. Moving to Hoptonwoodstone quarry, Middleton by Wirksworth, where are underground limestone workings.

RSWB 14/5/61. See Field Notes, pp 173. Photos. Limestone quarry with amazing mine just behind quarry face. Giant mine entrance, dated 195 , a tunnel fit for 3 double-decker buses! Open "windows" to quarry face at intervals!

1" III SK 2 4 6 D

THE HORSEBUTTOCK, Winster, Derbs

SRMRGB XXVI Pb/Zn. p44? "On E skirts of Winster less import. veins, eg The Horsebuttock ("green & brown ore in kevel)" ie Pyromorphite & mimetite ? ↳ ["spar"]

Mem GS N Derbs (1887) 145. On E skirts of Winster. green & brown ore in kevel

1" III SK(17) 142716

HORSESTEAD MINES, Taddington, Derbs.

OS 6" map: Lead mines at 142716

Farey's List (1811). In "2nd & 3rd Lines" E Toadstone. Lead.
"Horse-steads, Taddington".

1" 111 SK(18) 133 823$_5$ → ~~141,825~~

HORSESTONES RAKE, Castleton, Derbs.

See also ROWTER MINE

DCC Speedwell Cavern Geol Map labels "Horsestones Rake" a shortish ENE – WSW vein, running ENE from above loc, and joinined by Faucet Rake.

1"111 SK 00 80

HORWICH END, Whaley Bridge, Derbs

E.W. Binney Mem Lit Ph. Soc M/c (1851) Ser. 2, 9 125-9 Galena in ca NE-SW veinlet in seams of lower coals – "Horridge End".

E.W.B. Trans M/c Geol Soc (1862) 3 135. – Galena – "Mr Gisborne's Colly" at Horwich

1" III SK(25) 285576

HOUGHTON'S PIPE, Bonsall, Derbs

See also BALL EYE MINE, BALL EYE SOUGH.

Barmasters Map (25") shows "Houghtons Pipe" at ca 285576

1" 111 SK 1 4 6 9

HUBBADALE WATER ENGINE SHAFT, Flagg, Derbs.

See also HUBBERDALE MINE etc

Hubberdale Mine Section (Plans File) shows "Hubbadale Water Engine Shaft, 39 fms. to the sole of the pipe"

Hubberdale Mine Plan (Plans File) shows "Water Engine, sunk upon the E skirt of the pipe"

1" III SK 142 6945

HUBBERDALE FOUNDER SHAFT, Flagg, Derbs

See also HUBBERDALE MINE ek

G.E. Bacon's chart shows "Founder Shaft" at above loc.

Hubberdale Mine Plan, ~~Hubb~~ (Plans File) shows "The Founder Shaft"

1" III SK(16) 139699.

HUBBERDALE MINE ePIPE, Flagg, Derbs. (1)

See also ~~HUBBERDALE~~ ENGINE SH; HUBBERDALE SOUGH; HUBBERDALE FOUNDER SH; HUBB. WATER & NETHER HUBBERDALE M.

OS 6" map: Lead mine.

Greg & Lettsom (1858): Hubberdale Mine - cerussite

W. Adam. "Brief Remarks on Geol. of Derbs" (1846): White lead [cerussite], dull, massive. "H. Mine".

Farey (1811): Hubberdale Pipe, Monyash & Sheldon, in "1st Lime"; much lead; white ore [cerussite]; barytes.

Mem. Geol. Surv. N. Derbs. (1887): Cerussite. (H. Pipe)

SRMRGB XXVI "Pb/Zn" p.44. Cerussite in coml. amount in

P.T.O.

outcrops at Hubberdale Pipe.

TMH (1868), 55 Cepussite

GE Bacon's Chart shows "Founder Shaft" at 142 694 s

Plans File: Section (undated). Geol. Section, showing dip of pipe, & strata. Shows Highlow Gate; Windy Way Shaft; Stanton Engine Shaft, Hubbadale Water Engine Sh; Dawson's Engine Shaft; also a 47 fm Engine Shaft upon the Sough. Windy Way Vein shown.

C. Flint's Map (1768).

G. Heywood's Map (1768).

R. Howe's plan (1768) shows "Engine Shaft at the forefield of the Old Work"

Hubberdale Mine plan shows "The Founder Shaft", "The Engine Shaft upon the old man's forefield"; "Water Engine, sunk upon the E skirt of the pipe". The range of the pipe, orebodies, and cross veins. [Cont'd (2)]

HUBBERDALE MINE ePIPE, Flagg, Derbs (2)

Plans File: Hubberdale Lead Mines Plan shows "The Engine Shaft upon the late rich work", the range of Hubberdale Pipe and its S continuation; The "Sough Level"; "Nether Hubberdale Mine"; "Engine Shaft at Five Houses", on "Hungerknowle Vein", a cross vein.

1" III SK (16) 160694

HUBBERDALE SOUGH, Flagg, Derbs.

See also HUBBERDALE MINE & PIPE, etc.

Farey (1811), 329: SE of Taddington, from Deep Dale, in 1st Lime & Toadstone.

MRO Map R 206 (Plans File) shows "Mouth of Hubberdale Sough" near 160 694

Hubberdale Lead Mines Plan (Plans File) shows "The Sough Level" near Nether Hubberdale Mine

1" III SK(17) ?1777

HUCKLOW-EDGE MINE, Gt. Hucklow, Derbs.
(=Hucklow Edge Rake?)

Farey's List (1811): In Shale e "1st Lime". Much lead; a fault; large hillocks.

HUCKLOW EDGE OLD VEIN, Eyam, Derbs.

See HUCKLOW EDGE RAKE

1" 111 SK (17-27) 175779 - 221775
also Foolow, Grindlow, Gt Hucklow.

HUCKLOW EDGE RAKE, Eyam, Derbs.

See also individual mines (PTO)

Calcite nodules speckled with ?dellisite in toadstone

galena, fluorite

Baryte, calcite

Dunham (1952) p85, Map. Many mines described (PTO)

MemGS N Derbs (1887) 55, 57, 133, 135-7, 164, 165. Descrip 135-7. Section 136

JHR. Bull PDMHS 1 [3] 10 (1960): = EYAM EDGE VEIN, E-W, starts from LADYWASH TITEE. Changes name to HIGH RAKE [Little Hucklow], TIDESLOW RAKE [Tideswell] & WHITE RAKE [Tideswell]. In parts 40' wide; worked to ca. 720' deep in limestone (at HIGH RAKE MINE [Little Hucklow]). Shafts up to 900-1000' in it, through shale & grit. Vein not in shale. Mineralis'n typical of Derbs - Fluorite in E, then barite, then calcite to W. Length ca 5½ miles. Blende at NEW ENGINE & LADYWASH [Eyam]

Black Hole Map, MRO shows a portion of the vein between "Upper Miners Engine Shafts" (= Twelve Meers Mine) and Broadlow Mines. The vein is labelled "Broadlow Vein". Frickney Vein is shown to cross it at Twelve Meers Mine, and Shack Vein to meet it near 2087765, near where the Shale Gate meets it.

Little Pasture Plan, MRO, (1815) shows approx. the same as Black Hole Map, MRO, but labels the vein "Hucklow Edge Old Vein"

MINES, E→W NEW ENGINES; LADYWASH; BROADLOW; TWELVE MEERS; MIDDLETON ENGINE; BLACK ENGINE; MOORWOOD; E&W. BRADSHAW; SLATERS; NEW GROVE; OLD GROVE; E&W. SILENCE; NEW HEDGE; MILLDAM; HILLTOP; NETHER LIBERTY GROVE. Then becomes HIGH RAKE, [qv], then TIDESLOW RAKE, then WHITE RAKE, Tideswell.

1" III SK. 279$_0$ 599$_0$ – 282$_0$ 5995

HUNGERHILL PIPE, Wensley, Derbs.

√M's 25" map labels "Hungerhill Pipe" an EW vein at above loc., crossed by Noon Nick Vein; Calf Tail Vein; Eatons Venture Vein; HungerHill Vein; & Limekiln's Venture (incl. Ferns) Vein.

1" III SK 280 — 284 593

HUNGER HILL VEIN, Wensley (& Matlock), Derbs.

JM's 25" map labels "Hunger Hill" a N-S vein at above loc., crossing Hungerhill Pipe. Southern end under big Masson Mine (Matlock) Dump. N end joined by Calf Tail Vein.

1" III SK 14 69?

HUNGERKNOWLE VEIN, Flagg, Derbs

See also HUBBERDALE MINE etc

Hubberdale Lead Mines Plan (Plans File) labels "Hungerknowle Vein" a vein crossing the S continuation of Hubberdale Pipe.

1" 111 SK 3 6

HUNTS RAKE, Ashover, Derbs.

See also BOOTH ~~or HUNTS~~ RAKE; STARRS WOOD MINES.

1" III SK 2805 97-8?

HUT SHAFT, Wensley, Derbs.

See also JUG HOLES, Matlock.

DA Nash "Jug Holes" Tr. Cv. Res. Gp. 5[1] 13(1957): 'Down the Jug Holes' Coombe. [Part of JUG HOLES?]

1" III SK (25) Ea. ~~250570~~.
250₅572

IBLE, Derbs.

CSG. MinMag 20, 60. IBLE SILL, intrusive, quarried immediately to E of Ible village. Olivine, up to 5.5 cm embedded among felspars. (Similar sill in Tideswell Dale). Peculiar chlorite rock, also.

gBottley (Label): Anatase in toadstone clay

CS Garnett, MM 20, 156 (1923-5) Paper on toadstone clays. Anatase from Ible in heavy min. concentrates. Yellow, finely divided.

TDF & WASS, PDMI (1964). Gold (Rieuwerts, PDMHS newsletter No 8, 1963) in Ible Quarry. Silver, recently found by

RdKing in joints in the Ible Sill, as small malleable blebs.

RSWB, JRK. 2/65. IV 163 Quarry in Ible Sill, at SK 253568. Quartz, calcite xls, not v. common. Much fibrous silicate(s) [? palygorskite]

1" III SK(17) 158799

INKERMAN MINE, Bradwell, Derbs.

DCC 2½" map show "Inkerman" at above loc., on Cheetham Vein.

1" III SK 16$_5$ 79$_7$

INTAKE DALE MINE, Bradwell, Derbs.

GSS & P (1906) p7. Fluorite mine, reopened. To the E of Shuttle Rake (q.v.)

Mem GS N Derbs (1887) 132 On Shuttle Rake, on E side of upper road. Fluorite.

1" III SK(25) 270550

Intake quarry, Middleton by
Wirksworth, Derbs.

6-in. map XXXIV SW (1924): at south side of M.Moor.

1" III SK(25) 215 595

IRONSTONE MINE, Elton, Derbs.

See also ELTON COMMON.

GS old series 1" map (1852) shows Ironstone Mine on Elton Common at 215 595.

"ISOLATION MINE", Snelston, Derbs.

See SNELSTON M.

1" III SK 295581/2 — 296583

JACKDAW VEIN, Matlock, Derbs.

JM's 25" map labels "Jackdaw" a vein running NE from the river at 295581/2 to edge of map at 296583.

1" III SK(25) 280555

Jackson's mine, Middleton by Wirksworth
Derbs. EPM

6-in. map XXXIV SW (1924): lead, dis.

Geol Survey 6" map: At junction of Gang Vein with gulf Fault & Vein. Served by Cromford Sough.

Farey's List (1811) In Shale & "1st Lime". Lead; a fault at W end.

1" III SK(18) 1565 8210

JACKS PIECE MINE, Bradwell, Derbs.

DCC 2½" map labels "Jacks Piece" an "Old Lead Mine" of OS 6" map at above loc near head of Pin Dale, just S of Dirtlow Rake (Castleton)

1" III SK 29 58 ?

JACOB'S MINE, Matlock Bath, Derbs.

D. Nash Tr. Cv. Res. Gp. 5 [1], 13, (1957): ...Belongs to a suite of caves & mines including Old Nestus, Hopping, Jacob's, Speedwell, & Wapping, a series of mineralized pipes which vary from horizontal to steeply plunging.

1" III

SK 279 571

JACOB'S DREAM MINE, Middleton-by-Wirksworth, Derbs.

See also BOWLPIT M
Part of MIDDLETON FLATS M's.

J. Ike Wilson, Priv Comm 2/78. Malachite coll. underground. String of galena in roof of level.

1" III SK(35) 340554

JINGLER or ROLLEY SHAFT, Crich, Derbs.

See also ~~WAKEBRIDGE MINE~~

Dunham (1952), p.107. Of Wakebridge Mine. Previously used.

RSWB GR, & GS 28/5/60. Field Notes, p 86: Remains of lead gear still present — Photo, p. 93. On dumps: fluorite; calcite — and crawling with ants!

Mem GSN Derbs. (1887) 155 On RIDGEWAY LEVEL, 100 yds E of junction of cliff side branch.

1" III SK(25) 238545

JOB MINE, Brassington, Derbs

OS 6" map: Lead & barytes

1" III SK(25) 278 571

JOSEPH'S DREAM MINE, Middleton, Wirksworth, Derbys

Shown on OS 6" map of (1877).

1" III SK 1 7/8

JOWL-GROOVE, Peak Forest, Derbs.

Farey (1811): In "4th Lime". Lead.

1" III 6" SK 25NE 27955960

JUG HOLES, Matlock, Derbs. Mostly in Wensley pH.

RSWB, 7/59 207 Purple & colourless fluorite; calcite.

A specimen collected underground by P.Smith (now in RSWB Coll.) has pale apple green malachite (X-rayed) on ~~Purple~~ fluorite

D.Nash. Trans Cave Res Gp 5 [1] p13 (Dec 1957): A Caven of Three ~~parts~~ types; cavern, lead mine, water swallet. Ghosts stopped miners working in the 1800's!. Two systems
(1) Six connected caverns running N 400'; descending 150'
(2) Runs NW 400' inclines gently @ ⊥Ls to dip:
Three bedding plane caverns.
Entrance @ 900'. Cave between 1st & 2'd toad st.
(1)st system is on NOON NICK VEIN (qv) a replacement orebody

connected with Masson-Knowles complex, which Nash finds to plunge steeply at edges & deposit eg at Jug Holes, at QUEEN MINE off Knowles part of complex, & Old NESTUS MINE. Has thick bed of fluorite, some replaced by calcite [?!]. also galena. Is on line of a fault.

2nd system Bedding caves. Stream erosion. In places 80-100' wide. "Perhaps even the 'mythical' 'lake' at bottom of J.H may exist" (as extension downwards likely).

Dunham "Fluorspar" 101-2 (1952). Main adit mouth 1350' SE of Leawood Farm. Replacement deposit resting on Lr Toadstone at ca 1000' OD reached from partly-collapsed cave in wood, Main Level through upp Toad at ca 750' OD. "A N-S vein known as Noon Nick Vein is supposed to have run through this ground". Formation & mineralisn similar to Masson.

JM's 25" map shows following veins in or by Jug Holes: Noon Nick; Calf Tail; Old Calf Tail or Carosk; Small Prophet.