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Michael P. Cooper & Simon K. Howell
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Citations of mineral species and localities are restricted to important references - passing references are ignored.

Article titles may be abridged.

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 Vale Road q. 5:28
 South Yorkshire
 Doncaster, Hickleton Colliery 4:36,37
 Rotherham, Silverwood Colliery 3:21,21;
 4:3-4
 Thurcroft Colliery 5:9
 Warwickshire, Nuneaton, Judkins q. 10:9
 UK Scotland
 Central, Mannoch Hill 9:37
 Strathclyde
 Ayr, Trearne q. 6:18
 Islay, Rhuba a'Mhill 4:29
 Renfrew, Muirshiel m. 7:40-41
 UK Wales, Powys, Llanidloes
 Pen-y-Clun m. 10:4
 Zaire, Mashamba m. 10:29, 31

BASTNAESITE-(Ce)
 France, Ariège
 Trimouns 5:5, 5, plate 1; 9:48,49

BAVENITE
 UK England, Cumbria, Shap Pink q. 10:37

BAYLDONITE
 Australia, NSW, Broken Hill, South m. 10:40
 France, Var, Cap Garonne 2:13
 UK England, Cornwall, St Hilary
 Penberthy Croft 9:1,8,10,11,11,12

BEAVERITE
 France, Var, Cap Garonne 2:15
 UK England, Cornwall, St Hilary
 Penberthy Croft 9:11, 11, 14

BERNARDITE
 Yugoslavia, Macedonia, Alchar 10:39

BERTHIERITE
 Romania, Maramures, Herja 10:29

BERYL
 UK Scotland, Highland, Knoydart 2:18

BERYL (aquamarine)
 Pakistan, Haramosh mts, Dossu 10:29, 30

BERYL (heliodor)
 Ukraine, Volyn Peninsula 10:32

BERYLLONITE
 Afghanistan 10:29

BEUDANTITE
 France, Var, Cap Garonne 2:13
 Germany, Harz, Goslar 8:22
 UK England, Cornwall, St Hilary
 Penberthy Croft 9:11

BISMUTH
 UK England, Cornwall, Pendeen
 Botallack m. 6:7

BISMUTHINITE
 UK England, Cornwall
 Camborne, South Crofty 3:20, 20
 Pendeen, Botallack m. 6:7
 St Just, Wheal Owles 5:8

BOLEITE
 Germany, Harz, Goslar 8:21

BORNITE
 Ireland, Tipperary, Gortdrum m. 10:26
 UK England, Warwickshire, Nuneaton
 Judkins q. 10:9

BOTALLACKITE
 Germany, Harz, Goslar, Juliushütte 8:19, 21
 UK England, Cornwall
 Pendeen, Botallack m. 6:7
 Pendeen, Levant m. 2:26

BOURNONITE
 UK England, Cornwall, St Endellion
 Herodsfoot m. 5:9; 8:17
 UK Wales, Dyfed, Ceulanymaesmawr
 Esgair Hir m. 5:38

BREWSTERITE
 UK Scotland, Highland, Strontian 1:42; 4:20

BROCHANTITE
 Australia, South Australia, Boolcoomata
 Mutooroo Copper m. 4:43
 France, Var, Cap Garonne 2:15
 Germany, Harz, Goslar 8:22
 Ireland
 Cork
 Allihies 10:23
 Glandore, Aghatubrid Beg m. 10:22
 Waterford, Bunmahon 10:22
 UK England, Cumbria
 Caldbeck Fells, Red Gill m. 1:3
 Garrigill, Tynebottom m. 2:21
 UK Scotland, Dumfries & Galloway
 Wanlockhead, Meadowfoot smelter 2:4
 UK Wales
 Dyfed, Tir-y-Mynach, Llechwedd Helyg 3:26
 Gwynedd, Dolgellau, Bontddu 3:3
 Powys, Llanidloes, Dyfngwm m. 2:30

BROOKITE
 UK Wales, Clwyd, Glyn Ceiriog
 Hendre q. 10:49

BRUSHITE
 UK England, Cornwall, Pendeen
 Botallack m. 6:7

CACOXENITE
 Ireland, Limerick, Shanagolden
 Ballycormick 10:24, 25
 UK England, Cornwall, St Austell
 Gunheath pit 1:46

CALCITE
 unlocalized 9:3, 3
 Australia, Tasmania, Redpa q. 4:10
 Brazil, Rio Grande do Sul 10:32
 France, Ariège, Trimouns 5:5
 Germany, Harz, Goslar 8:22
 Ireland, Tipperary, Gortdrum m. 10:26
 Italy, Bolgna 8:16
 Namibia, Tsumeb m. 9:47
 South Africa, Cape Province, Kuruman
 N'chwaning II m. 9:47
 Spain, Asturias
 Solis, Mina Moscona 9:27
 Villabona 9:27
 UK England
 Cornwall
 Pendeen, Levant m. 2:26; [6:11]
 St Keverne, Dean q. 1:20, pl.3
 Cumbria
 unlocalized 8:17
 Alston, Capelcleugh m. 8:5
 Egremont 8:16; 10:35
 Egremont, Biggrigg m. 7:BMC5
 Frizington 10:34
 Scordale, Hilton m. 1:33
 Derbyshire
 Ashover, Milltown q. 10:
 Winster, Pike Lane open cut 7:5
 Durham, Weardale, Cambokeels m. 8:IV; 9:46
 Merseyside, Wirral, Thurston beach 6:39
 North Yorkshire
 Great Sled Dale 7:46
 Pately Bridge, Coldstones q. 2:19
 Warwickshire, Nuneaton, Judkins q. 10:10
 UK Scotland
 Ayrshire, Trearne q. 6:18, 19
 Central
 Mannoch Hill 9:37
 Renfrewshire, Muirshiel m. 7:41, 42
 Dumfries & Galloway, Wanlockhead
 New Glencrieff m. 8:BMC7
 Hebrides, Islay, Rhuba a'Mhill 4:29
 UK Wales
 Clwyd, Glyn Ceiriog, Hendre q. 10:49
 Dyfed, Ceulanymaesmawr, Esgair Hir m. 5:39
 USA, Missouri
 Iron Co., Buick m. 10:30
 [Viburnum Trend] 8:17; 10:32
 Zaire, Mashamba m. 10:29

CALEDONITE
 Germany, Harz, Goslar 8:22
 UK England
 Cumbria, Caldbeck Fells
 Red Gill m. 1:3; 3:l; 5:21; 10:3
 UK Scotland
 Dumfries & Galloway, Wanlockhead
 Meadowfoot smelter 2:4
 UK Wales
 Dyfed, Ceulanymaesmawr
 Esgair Hir m. 5:39, *pl.4*
 Powys, Llanidloes, Dyfngwm m. 2:30
CARMINITE
 Australia, NSW, Broken Hill, South m.
 Kintore open cut 10:40
 France, Var, Cap Garonne 2:13
 UK England, Cornwall, St Hilary
 Penberthy Croft 9:8, 11, 14
CASSITERITE
 France, Ariège, Trimouns 5:5, 5, *plate 1*
 UK England, Cornwall
 Camborne, South Crofty 3:20
 Carharrack, Whiteworks 6:22-23, 22
 Pendeen, Botallack m. 6:7
 St Agnes
 Cligga Head 3:33, 34
 Wheal Coates 3:30-32
 St Austell
 Blackpool pit 1:45
 Dorothy pit 1:45
 Goonbarrow pit 1:45
 Imperial pit 1:45
 Wheal Remfrey pit 1:45
 Scilly Isles 5:10
 Devon
 Bovey Tracey, Whitstone q. 6:27
CELESTINE
 Poland, Tarnobrzeg, Machow 8:9, 10
 UK England, Leicestershire, Leicester
 Asquith Boulevard 10:36
 UK Scotland, Central, Renfrewshire
 Muirshiel m. 7:41
 Turkmenistan 7:10
CERULEITE
 France, Var, Cap Garonne 2:13
 UK England, Cornwall, St Day
 Wheal Gorland 4:32, 33
CERUSSITE
 Australia, NSW, Broken Hill
 South m. 9:43; 10:40
 France, Var, Cap Garonne 2:15
 Germany, Harz, Goslar 8:22
 Morocco, Oujda, Touissit 6:30, 31; 7: 9, 10
 UK England
 Cornwall, St Hilary, Penberthy Croft 9:11
 Cumbria
 Caldbeck Fells, Red Gill m. 1:3
 Scordale, Hilton m. 1:32
 Derbyshire
 Ashover, Milltown q. 10:17
 Winster, Pike Lane open cut 7:5
 Warwickshire, Nuneaton, Judkins q. 10:10
 Yorkshire
 Aysgarth, Wetgrooves m. 3:14
 Pately Bridge, Coldstones q. 2:19
 UK Scotland, Dumfries & Galloway
 Wanlockhead, Meadowfoot smelter 2:5
 UK Wales
 Dyfed
 Ceulanymaesmawr
 Esgair Hir m. 5:39, *plate 3*
 Tir-y-Mynach, Llechwedd Helyg 3:26
 Powys, Llanidloes, Dyfngwm m. 2:29
CERUSSITE after ANGLÉSITE
 Australia, NSW, Broken Hill, South m. 10:40
CHABAZITE
 Australia, Tasmania, Redpa q. 4:10
CHALCANTHITE
 France, Var, Cap Garonne 2:15
 Ireland, Waterford, Knockmahon 10:22
 UK England, Cornwall, Pendeen
 Botallack m. 6:7
CHALCOALUMITE
 UK Wales, Dolgellau, Bontddu 3:3
CHALCOCITE
 UK England
 Cornwall
 Pendeen
 Botallack m. 6:7
 Levant m. 2:25, 25, 26
 St Hilary, Penberthy Croft 9:11
 Warwickshire, Nuneaton
 Judkins q. 10:10, 10, 11
 UK Scotland
 Hebrides, Islay, Rhuba a'Mhill 4:29
 UK Wales
 Dyfed
 Ceulanymaesmawr, Esgair Hir m. 5:39
 Tir-y-Mynach, Llechwedd Helyg 3:26
CHALCOMENITE
 Ireland, Kerry, Ballybunion 10:23, 24
CHALCOPHYLLITE
 France, Var, Cap Garonne 2:13
 UK England, Cornwall, St Day
 Wheal Gorland 4:32, 33
 UK Wales
 Dolgellau, Bontddu 3:3
 Powys, Llanidloes, Dyfngwm m. 2:30
CHALCOPYRITE
 Ireland
 Kerry, Muckcross 10:23
 Tipperary, Gortdrum m. 10:25, 27
 UK England
 Cornwall
 Camborne, South Crofty 3:20, 20
 Pendeen, Levant m. 2:26
 St Agnes 8:ll
 Cligga Head 3:33
 Cumbria, Scordale, Hilton m. 1:32-33
 Merseyside, Wirral, Thurstaston beach 6:39
 North Yorkshire, Great Sled Dale 7:46
 Nottinghamshire, Mansfield Woodhouse
 Vale Road q. 5:29
 South Yorkshire, Doncaster
 Hickelton Colliery 4:36, 37
 Warwickshire, Nuneaton, Judkins q. 10:10, 11
 UK Scotland
 Central, Manno Hill 9:37
 Ayrshire, Trearne q. 6:18
 Hebrides, Islay, Rhuba a'Mhill 4:29
 UK Wales
 Clwyd, Glyn Ceiriog, Hendre q. 10:49
 Dyfed, Ceulanymaesmawr
 Esgair Hir m. 5:38, 39
 Dyfed, Tir-y-Mynach, Llechwedd Helyg 3:26
 Powys, Llanidloes, Dyfngwm m. 2:28
CHALCOSIDERITE
 UK England, Cornwall, St Austell
 Gunheath pit 1:45; 3:37
CHENITE
 UK Scotland, Dumfries & Galloway
 Wanlockhead, Meadowfoot smelter 2:5
CHLORITE
 UK England, Merseyside, Wirral
 Thurstaston beach 6:40
 UK Wales
 Clwyd, Glyn Ceiriog, Hendre q. 10:49
 Dyfed, Ceulanymaesmawr, Esgair Hir m. 5:39
CHRYSOCOLLA
 Australia, South Australia, Boolcoomata
 Dome Rock Copper m. 4:42
 UK England, North Yorkshire
 Great Sled Dale 7:46
 UK Wales
 Dyfed
 Ceulanymaesmawr, Esgair Hir m. 5:40
 Tir-y-Mynach, Llechwedd Helyg 3:26
 Gwynedd, Dolgellau, Bontddu 3:3
CINNABAR
 Ireland, Tipperary, Gortdrum m. 10:25, 26, 27
 Spain 4:ll
 Ukraine, Nokitovka 8:5
CLARINGBULLITE
 Germany, Harz, Goslar 8:21
CLINOCLASE
 Australia, South Australia, Boolcoomata
 Dome Rock Copper m. 4:42
 France, Var, Cap Garonne 2:15
 UK England, Cornwall, St Day
 Wheal Gorland 4:32

COBALTITE
 UK England, Cornwall, Pendeen
 Botallack m. 6:7

CONICALCITE
 Australia, South Australia, Boolcoomata
 Dome Rock Copper m. 4:42
 France, Var, Cap Garonne 2:14

CONNELLITE
 France, Var, Cap Garonne 2:13
 Germany, Harz, Goslar 8:21
 Ireland
 Cork
 Allihies 10:23
 Dhurode m. 10:22, 24
 Waterford
 Bunmahon 10:22
 Knockmahon 10:22
 UK England
 Cornwall
 Pendeen, Botallack m. 6:7
 St Just, Wheal Owles 5:8

COPPER
 Australia
 NSW, Broken Hill, South m. 10:40
 South Australia, Boolcoomata
 Mutooroo Copper m. 4:43
 France, Var, Cap Garonne 2:11
 Germany, Harz, Goslar 8:21
 UK England
 Cornwall
 Pendeen, Botallack m. 6:7
 Redruth, Wheal Buller 10:3
 St Austell, Gunheath pit 1:45
 North Yorkshire
 Middleton Tyas 3:29
 UK Scotland
 Dumfries & Galloway, Wanlockhead
 Meadowfoot smelter 2:5
 Hebrides, Islay, Rhubha a'Mhill 4:30
 UK Wales, Dolgellau, Bontddu 3:4

CORKITE
 Ireland, Cork, Glandore
 Aghatubrid Beg m. 10:22
 UK England, Cornwall, St Hilary
 Penberthy Croft 9:11, 13

CORONADITE
 Australia, NSW, Broken Hill, South m. 10:40

CORNUBITE
 France, Var, Cap Garonne 2:13

CORNWALLITE
 France, Var, Cap Garonne 2:14
 UK England, Cumbria, Caldbeck
 Low Pike 7:8, 9

COVELLINE
 UK Wales
 Dyfed
 Ceulanymaesmawr, Esgair Hir m. 5:40
 Tir-y-Mynach, Llechwedd Helyg 3:26
 Powys, Llanidloes, Dyfngwm m. 2:28

CRANDALLITE
 Ireland, Limerick, Shanagolden
 Ballycormick 10:25
 UK England, Cornwall, Kea
 Wheal Jane 5:10, 10

CUMENGEITE
 Germany, Harz, Goslar, Juliushütte 8:19

CUPRITE
 Australia, South Australia, Boolcoomata
 Mutooroo Copper m. 4:43
 Germany, Harz, Goslar 8:21
 Ireland, Cork, Aghtubrid Beg m. 10:22
 UK England
 Cornwall
 Linkinhorne, Phoenix m. 9:BMC10
 Pendeen, Botallack m. 6:7
 Redruth, Wheal Buller 10:3
 St Austell, Gunheath pit 1:45
 North Yorkshire
 Middleton Tyas 3:29
 UK Scotland
 Dumfries & Galloway, Wanlockhead
 Meadowfoot smelter 2:5
 Hebrides, Islay, Rhubha a'Mhill 4:30
 UK Wales
 Dolgellau, Bontddu 3:4
 Dyfed, Ceulanymaesmawr, Esgair Hir m. 5:40
 Zaire, Mashamba m. 8:5; 10:29

CUPROSKLODOWSKITE
 Zambia, Musonoi 10:32

CYANOTRICHITE
 France, Var, Cap Garonne 2:14

CYRILLOVITE
 UK England, Cornwall, St Austell
 Gunheath pit 1:45; 3:37

DANALITE
 UK England, Cornwall, Pendeen
 Botallack m. 6:7

DATOLITE
 Russia, Primorsky Krai
 Dal'negorsk 7:10; 10:32

DEVILLINE
 Germany, Harz, Goslar 8:22
 Ireland, Cork, Allihies, 10:23
 UK England, Cumbria, Garrigill
 Tynebottom m. 2:21
 UK Scotland, Dumfries & Galloway
 Wanlockhead, Meadowfoot smelter 2:7
 UK Wales, Dolgellau, Bontddu 3:3

DIABOLEITE
 Germany, Harz, Goslar 8:21

DIAMOND
 South Africa, Cape Province, Kimberley 9:47

DIOPSIDE
 UK England, Merseyside, Wirral
 Thurston beach 6:41

DIOPTASE
 Kazakhstan, Mt Altyn Tube 10:32
 Zaire
 Bassin du Niari, 10:29
 Pimbi mining district 10:29

DOLOMITE
 France, Ariège, Trimouns 5:5
 Spain, Navarra, Eugui m. 8:41, 41
 UK England
 Nottinghamshire, Mansfield Woodhouse
 Vale Road q. 5:29
 South Yorkshire, Doncaster
 Hickleton Colliery 4:36,37
 UK Scotland
 Ayrshire, Trearne q. 6:19, 20
 Hebrides, Islay, Rhuba a'Mhill 4:30
 UK Wales, Dyfed, Ceulanymaesmawr
 Esgair Hir m. 5:40

DRAVITE
 Queensland, May Downs 9:43
 UK England, Cornwall, St Agnes
 Cligga Head 3:34

DUFRENITE
 UK England, Cornwall, St Austell
 Gunheath pit 3:37

DUFTITE
 France, Var, Cap Garonne 2:14
 UK England, Cornwall, St Hilary
 Penberthy Croft 9:11, 13

DUNDASITE
 France, Var, Cap Garonne 2:14

DYSCRASITE
 Czechoslovakia, Bohemia, Příbram 8:41; 10:32

EDGARBAILEYITE
 USA, California
 San Benito Co., Clear Creek m. 10:38
 Sonoma Co., Socrates mercury m. 10:38

ELBAITE
 Africa 8:38
 USA, California, Fulbrook, Himalaya m. 7:8,11

ELYITE
 Germany, Harz, Goslar 8:22
 UK England, Cumbria, Caldbeck Fells
 Red Gill m. 1:3
 UK Scotland, Dumfries & Galloway
 Wanlockhead, Meadowfoot smelter 2:5
 UK Wales, Dyfed, Ceulanymaesmawr
 Esgair Hir m. 5:40

EMBREYITE
 South Africa, Transvaal
 Argent lead mines 9:47

EPIDOTE
 France, Iseère, Bourg d'Oisans
 Mont Cornillon 8:39; 10:32
 UK England, Cornwall, Pendeen
 Botallack m. 6:7

ERYTHRITE
 Australia
 NSW, Carcaore **8:38, 41; 9:IV** [erythrite recently available labelled Carcaore is probably from Mount Cobalt, Queensland, Bill Birch *pers. comm.*]
 Queensland
 Mount Cobalt **9:43; [8:38, 41; 9:IV see note above]**
 Ireland
 Kerry, Muckcross **10:23**
 Waterford, Bunmahon **10:22**
 UK England, Cumbria, Garrigill
 Tynebottom m. **2:21**
 UK Wales, Dolgellau, Bontddu **3:4**

ETTRINGITE
 UK England, Derbyshire, Ashover
 Milltown q. **10:16,17**

FERRIMOLYBDITE
 Ireland, Cork, Ballycummisk m. **10:22**

FERROKESTERITE
 UK England, Cornwall, St Agnes
 Cligga m. **10:38**

FLUORAPOPHYLLITE
 South Africa, Transvaal, Palabora m. **8:9**

FLUORITE
 China
 Hunan **8:39**
 Lei-Yang m. **10:28**
 France
 Allier, Buxier-les-mines **6:30, 31**
 Argentières **8:5**
 Auvergne, Puy St Gulpier **9:44**
 Massif Central, Puy St Sulmer **8:39**
 Mont Blanc **7:1**
 Pakistan, **8:39**
 Spain
 Asturias
 Caravia, **9:30, 31**
 Colunga, **9:30, 31**
 Ribadesella
 Berbes, **8:39; 9:28, 30, 48, 49**
 UK England
 Cornwall
 Camborne, South Crofty **3:20**
 Kea, Wheal Jane **5:9**
 St Austell, Gunheath pit **1:45**
 Cumbria
 Heights m. **1:37**
 Scordale, Hilton m. **1:33; 6:BMC4**
 Derbyshire
 Ashover, Milltown q. **10:17**
 Winster, Pike Lane Opencut, **7:5,5**
 Durham
 Weardale
 Blackdene m., **9:48, 49; 10:34**
 Frazer's Hush **5:10**
 Yorkshire
 Pately Bridge, Coldstones q. **2:19**
 Great Sled Dale **7:46**
 UK Scotland, Ayrshire, Trearne q. **6:20**

FRANCEVILLITE
 Gabon, Mouanana **10:32**

FRANCISITE
 Australia, South Australia, Iron Knob
 Iron Monarch open cut **9:43**

GALENA
 Ireland, Tipperary, Silvermines
 Mogul m. **10:25**
 Poland, Silesia, Olkusz **9:III**
 UK England
 Cumbria, Scordale, Hilton m. **1:32**
 Derbyshire
 Ashover, Milltown q. **10:17**
 Winster, Pike Lane Opencut **7:5**
 Nottinghamshire, Mansfield Woodhouse
 Vale Road q. **5:29** [*the supposed galena pseudomorphs after halite from this locality are probably merely primary galena octahedra*]
 Warwickshire, Nuneaton, Judkins q. **10:10**
 Yorkshire, Pately Bridge,
 Coldstones q. **2:19**
 UK Scotland
 Central, Manno Hill **9:37**
 Dumfries & Galloway, Wanlockhead
 Meadowfoot smelter **2:5**
 New Glencrieff m. **8:BMC7**

UK Wales
 Dyfed
 Ceulanymaesmawr, Esgair Hir m. **5:40**
 Tir-y-Mynach, Llechwedd Helyg **3:26**
 Mid Glamorgan, Ogmore Vale
 Wyndham colliery **10:3**
 Powys, Llanidloes
 Dyfyngwm m. **2:28**
 Pen-y-Clun m. **10:4**

USA
 Tri-State district **9:44**
 Viburnum Trend **10:32**

GARNET
 Pakistan **8:41**
 UK Scotland, Knoydart **2:18**

GERSDORFFITE
 UK England, Cumbria, Scordale, Hilton m. **1:33**

GETCHELLITE
 Kirgizia, Chaidarkhan, **10:32**

GMELINITE
 Australia, Tasmania, Redpa q. **4:10**
 UK Northern Ireland, Antrim
 Island Magee, Gobbins **10:37**

GOETHITE
 Australia, NSW, Broken Hill, South m.
 Kintore open cut **10:40**
 UK England, Cornwall
 Pendeen, Botallack m. **6:7,9**
 St Just, Wheal Owles **5:8**
 UK Scotland
 Central, Manno Hill **9:37**
 Hebrides, Islay, Rhuba a'Mhill **4:30**
 UK Wales, Dyfed, Tir-y-Mynach
 Llechwedd Helyg **3:26**

GOLD
 Brazil, Minas Gerais, Serra Pelada **5:IV**
 Ireland, Tyrone **1:44**
 South Africa, Witwatersrand **3:5-6**
 UK England, Cornwall, Kea, Wheal Jane **5:9**
 UK N. Ireland, Sperrin mts **1:44**
 UK Scotland, **1:44**

GORTDRUMITE
 Ireland, Tipperary, Gortdrum m. **10:26**

GREENOCKITE
 UK England, Yorkshire, Aysgarth,
 Wetgrooves m. **3:14**
 UK Scotland, Strathclyde, Paisley,
 Bishopton **9:BMC9**

GUDMUNDITE
 Dyfed, Ceulanymaesmawr, Esgair Hir m. **5:38**

GYPSUM
 Germany, Harz, Goslar **8:22**
 Spain, Zaragosa,
 Fuentes de Ebro **8:39, 40; 9:26**
 UK England
 Cornwall, Camborne, South Crofty **3:20**
 Cumbria, Garrigill, Tynebottom m. **2:22**
 Derbyshire, Ashover, Milltown q. **10:17**
 North Yorkshire, Aysgarth,
 Wetgrooves m. **3:14**
 UK Scotland
 Ayrshire, Trearne q. **6:20**
 Dumfries & Galloway, Wanlockhead
 Meadowfoot smelter **2:6**
 UK Wales, Dolgellau, Bontddu **3:4**

GYROLITE
 Australia, Tasmania, Redpa q. **4:11**

HALITE
 UK England
 Cornwall, St Hilary, Penberthy Croft **9:13**
 South Yorkshire, Hickleton colliery **1:44**

HARMOTOME
 UK England, Northumberland, Stonecroft **4:20**
 UK Scotland, Argyll, Strontian **1:42; 4:20**
 UK Wales, Clwyd, Llanidloes
 Pen-y-Clun m. **10:4, 5**

HAUSMANNITE
 South Africa, Cape Province, Kuruman,
 N'Chwaning II m. **9:47**

HEMATITE
 Ireland, Cork, Ballycummisk m. **10:22**
 UK England
 Cornwall, Pendeen, Botallack m. **6:8, 9**
 Cumbria, Goose Green m. **5:9**
 Merseyside, Wirral, Thurstaston beach **6:39**
 Warwickshire, Nuneaton, Judkins q. **10:12**
 UK Scotland, Central, Manno Hill **9:37**

HEMIMORPHITE
 Ireland, Tipperary, Silvermines
 Ballygown South m. 10:25
 Mogul m. 10:25, 27 [the locality was inadvertently omitted from the photograph on p.27]
 Mexico, Chihuahua, Santa Eulalia,
 Potosi m. 10:28,31
 UK England
 Cumbria, Scordale, Hilton m. 1:33
 Derbyshire
 Ashover, Milltown q. 10:17
 Winster, Pike Lane opencut 7:5
 Yorkshire
 Aysgarth, Wetgrooves m. 3:14
 Pately Bridge, Coldstones q. 2:19
 UK Wales, Dyfed, Ceulanymaesmawr,
 Esgair Hir m. 5:40

HENTSCHELITE
 UK England, Cornwall, Liskeard,
 West Phoenix m. 10:39

HERSCHELITE
 Australia, Tasmania, Redpa q. 4:11

HEULANDITE
 UK England, Cornwall, Pendeen,
 Botallack m. 6:8
 UK Scotland, Highland, Skye,
 Sgurr Nam Boc 10:45,46

HIDALGOITE
 France, Var, Cap Garonne 2:15

HYDROCERUSSITE
 UK England, Derbyshire, Ashover,
 Milltown q. 10:17
 UK Wales
 Dyfed
 Aberystwyth, Darren m. 8:48
 Ceulanymaesmawr, Esgair Hir m. 5:40
 Powys, Llanidloes, Dyfngwm m. 2:29

HYDROZINCITE
 Ireland, Kerry
 Muckross 10:23
 Ross Island 10:23
 UK England, Derbyshire, Ashover,
 Milltown q. 10:17
 UK Wales
 Dyfed
 Ceulanymaesmawr, Esgair Hir m. 5:40
 Tir-y-Mynach, Llechwedd Helyg 3:26
 Powys, Llanidloes, Dyfngwm m. 2:29

'ISOSTANNITE' (discredited)
 UK England, Cornwall, St Agnes,
 Cligga Head 10:39

JAROSITE
 Australia, South Australia, Boolcoomata,
 Dome Rock Copper m. 4:42

KAOLIN ps ORTHOCLASE
 UK England, Cornwall, St Austell,
 Goonbarrow pit 1:45

KAOLINITE
 South Yorkshire, Hickleton colliery 4:37

KERMESITE
 South Africa, Transvaal,
 Murchison Antimony m.8:9

KRENNERITE
 USA, Colorado, Cripple Creek 1:19

KTENASITE
 Germany, Harz, Goslar 8:22
 UK England
 Cumbria, Nenthead, Smallcleugh m. 9:5
 Cornwall, St Hilary, Penberthy Croft 9:5

LANARKITE
 UK England, Cumbria, Caldbeck Fells,
 Red Gill m. 5:21
 UK Scotland
 Dumfries & Galloway, Wanlockhead,
 Meadowfoot smelter 2:6
 Strathclyde, Leadhills, Susanna m. 8:BMC8

LANGITE
 Germany, Harz, Goslar 8:22
 Ireland
 Cork, Allihies 10:23,27
 Waterford
 Bunmahon 10:22
 Knockmahon 10:22

UK Scotland, Dumfries & Galloway,
 Wanlockhead, Meadowfoot smelter 2:6

UK Wales
 Dolgellau, Bontddu 3:4
 Dyfed
 Ceulanymaesmawr,
 Esgair Hir m. 5:40, pls. 3 & 4
 Tir-y-Mynach, Llechwedd Helyg 3:26
 Powys, Llanidloes, Dyfngwm m. 2:30

LAPIS LAZULI
 Pakistan, Peshawar 8:41

LAUMONTITE
 UK Scotland, Leicestershire, Croft q. 4:20

LAURIONITE
 Germany, Harz, Goslar, Juliushttte 8:19, 21
 LAUTENTHALITE [this mineral is not yet fully characterized; the publication of this name in the UKJMM was unwise and premature]
 UK Scotland, Dumfries & Galloway,
 Wanlockhead, Meadowfoot smelter 2:6
 UK Wales, Powys, Llanidloes, Dyfngwm m. 2:30

LAVENDULAN
 France, Var, Cap Garonne 2:14
 Ireland, Waterford, Bunmahon 10:22

LEADHILLITE
 Germany, Harz, Goslar 8:22
 UK England, Cumbria, Caldbeck Fells,
 Red Gill m. 1:3
 UK Scotland, Dumfries & Galloway
 Leadhills, Susanna m. 8:BMC8
 Wanlockhead, Meadowfoot smelter 2:6
 UK Wales
 Dyfed, Ceulanymaesmawr,
 Esgair Hir m. 5:41, plate 3
 Powys, Llanidloes, Dyfngwm m. 2:29

LEHNERITE
 Germany, Oberpfalz, Hagendorf 10:39

LEUCOPHOSPHITE
 UK England, Cornwall, St Austell,
 Gunheath pit 3:37

LIBETHENITE
 UK England, Cornwall
 St Agnes, Cligga Head 3:34
 St Austell, Gunheath pit 1:45; 3:37
 St Hilary, Penberthy Croft 9:11, 13

LINARITE
 Australia, NSW, Broken Hill, South m. 10:40
 Germany, Harz, Goslar 8:22
 Ireland
 Kerry, Ross Island 10:23
 Tipperary, Silvermines 10:25
 UK England
 Cornwall, St Hilary,
 Penberthy Croft 9:12, 13
 Cumbria
 Caldbeck Fells, Red Gill m. 1:2-3; 10:3
 Garrigill, Tynebottom m. 2:22
 Yorkshire, Aysgarth, Wetgrooves m. 3:14
 UK Scotland, Dumfries & Galloway,
 Wanlockhead, Meadowfoot smelter 2:1, 6
 UK Wales
 Dyfed
 Ceulanymaesmawr,
 Esgair Hir m. 5:41, plate 4
 Tir-y-Mynach, Llechwedd Helyg 3:26
 Powys, Llanidloes, Dyfngwm m. 2:30

LINNAEITE
 Dyfed, Ceulanymaesmawr, Esgair Hir m. 5:38

LIROCONITE
 UK England, Cornwall, St Day,
 Wheal Gorland 4:32, 33

LITHARGE
 UK England, Derbyshire, Ashover,
 Milltown q. 10:16, 17
 UK Scotland, Dumfries & Galloway,
 Wanlockhead, Meadowfoot smelter 2:7

LUDLAMITE
 UK England, Cornwall, Kea,
 Wheal Jane 7:II, IV

MACPHERSONITE
 UK England, Cumbria, Caldbeck Fells,
 Red Gill m. 5:21

MAGNESIOAUBERTITE
 Italy, Vulcano, Grotta de Faraglione 10:39

MAGNETITE
UK England
Cornwall, Pendeen, Botallack m. 6:8
Merseyside, Wirral, Thurstaston beach 6:39

MALACHITE
Australia, South Australia, Boolcoomata,
Mutooroo Copper m. 4:43
France, Var, Cap Garonne 2:15
Germany, Harz, Goslar 8:22
Ireland
Cork
Cappagh m. 10:22
Coosheen m. 10:22
Dhurode m. 10:22
Kerry, Ross Island 10:23
Tipperary
Gortdrum m. 10:26
Silvermines 10:25
UK England
Cornwall, St Hilary, Penberthy Croft 9:13
Cumbria
Garrigill, Tynebottom m. 2:22
Scordale, Hilton m. 1:33
Nottinghamshire, Mansfield Woodhouse,
Vale Road q. 5:29
Warwickshire, Nuneaton, Judkins q. 10:12
Yorkshire
Aysgarth, Wetgrooves m. 3:14
Great Sled Dale 7:44, 46
Middleton Tyas 3:29
UK Scotland
Central, Manno Hill 9:37
Dumfries & Galloway, Wanlockhead,
Meadowfoot smelter 2:7
Hebrides, Islay, Rhuba a'Mhill 4:30
UK Wales
Dyfed
Ceulanymaesmawr, Esgair Hir m. 5:41
Tir-y-Mynach, Llechwedd Helyg 3:26
Powys, Llanidloes, Dyfngwm m. 2:29
Gwynedd, Dolgellau, Bontddu 3:4
Zaire, Mashamba m. 10:29

MANGANITE
UK England, Cornwall, Pendeen,
Botallack m. 6:8
UK Scotland, Dumfries & Galloway,
Kinharvie Burn 8:44

MANSFIELDITE
France, Var, Cap Garonne 2:14, 15

MARCASITE
France, Boulogne 8:38
Poland, Silesia, Olkusz 9:III
UK Wales, Dyfed, Ceulanymaesmawr,
Esgair Hir m. 5:41

MASSICOT
UK England, Derbyshire, Ashover,
Milltown q. 10:18

MATTHEDDLEITE
UK England, Cumbria, Caldbeck Fells
Brae Fell m. 5:21
Red Gill m. 5:21
Roughton Gill 5:21
Short Grain 5:21
UK Wales, Dyfed
Aberystwyth, Darren m. 8:47-48
Ceulanymaesmawr, Esgair Hir m. 5:41

MAWBYTE
Australia, NSW, Broken Hill, South m.,
Kintore Open Cut 10:40

MELANTERITE
UK England
Cornwall, St Hilary, Penberthy Croft 2:27
Cumbria, Alston, Smallcleugh m. 2:27
Nottinghamshire, Mansfield Woodhouse,
Vale Road q. 5:29

MESOLITE
Australia, Tasmania, Redpa q. 4:11

METATORBERNITE
UK England, Cornwall, St Agnes,
Cligga Head 3:34

METAZEUNERITE
UK England, Cornwall, St Just,
Wheal Owles 5:7, plate 2

MICROCLINE
Namibia, Usakos, Spitzkopje 8:9

MILLERITE
UK England, Cumbria, Scordale, Hilton m. 1:33
UK Scotland, Ayrshire, Trearne q. 6:20

UK Wales, Dyfed, Ceulanymaesmawr,
Esgair Hir m. 5:38

MIMETITE
France, Var, Cap Garonne 2:14
Mexico
Unlocalized 4:II
Durango, Mapimi 8:III
UK England
Cornwall, St Hilary,
Penberthy Croft 9:12,13
Cumbria, Caldbeck Fells, Dry Gill m. 7:11

MIXITE
Australia, South Australia, Boolcoomata,
Dome Rock Copper m. 4:42
France, Var, Cap Garonne 2:14
UK England, Cornwall, St Just,
Wheal Owles 5:8

MOLYBDENITE
Ireland, Cork, Ballycummisk m. 10:22

MONAZITE-(Ce)
UK Wales, Clwyd, Glyn Ceiriog,
Hendre q. 10:49,49, 50, 51

MONAZITE-(La)
France, Ariège, Trimouns 5:5, 5, plate 1

MONOHYDROCALCITE
UK Scotland, Dumfries & Galloway,
Wanlockhead, Meadowfoot smelter 2:7
UK Wales, Dolgellau, Bontddu 3:4

MONTMORILLONITE
UK England, Cornwall, St Keverne,
Dean q. 1:20, plate 4-6

MOSCHELITE
Germany, Pfalz, Obermoschel,
Moschel-Landsberg 10:39

MOTTRAMITE
France, Var, Cap Garonne 2:14
UK England
Cornwall, St Hilary,
Penberthy Croft 9:12,13
Warwickshire, Nuneaton, Judkins q. 10:11,12

MUSCOVITE
Brazil, Minas Gerais,
José Pinto m. 8:38, 41; 9:44,45
UK Scotland, Knoydart 2:18

NAMUWITE
Germany, Harz, Goslar 8:19, 22

NATROLITE
Australia, Tasmania, Redpa q. 4:11
UK England
Cornwall, St Keverne,
Dean q. 1:20, plate 4-7; 4:20, 21
Merseyside, Wirral, Thurstaston beach 6:42

NICCOLITE
UK England, Cumbria, Scordale, Hilton m. 1:33

NISSONITE
Australia, South Australia, Iron Knob,
Iron Monarch Open Cut 9:43

NONTRONITE
Australia, Tasmania, Redpa q. 4:11

OLIVENITE
France, Var, Cap Garonne 2:13
South Africa, Transvaal, Stavoren farm 9:47
UK England, Cornwall
Unlocalized 4:II
St Day, Wheal Gorland 4:32, 33

OLIVINE
UK Scotland, Dumfries & Galloway,
Wanlockhead, Meadowfoot smelter 2:7

OPAL
Australia
South Australia, Boolcoomata,
Dome Rock Copper m. 4:42
Tasmania, Redpa q. 4:11
UK England, Cornwall, St Austell,
Goonbarrow pit 1:45

ORPIMENT
China, Hunan 10:28, 31

PALYGORSKITE
UK England, Derbyshire, Ashover,
Milltown q. 10:18

PARALAURIONITE
Germany, Harz, Goslar 8:21
UK Scotland, Dumfries & Galloway,
Wanlockhead, Meadowfoot smelter 2:7

PARAPIERROTITE
 Yugoslavia, Macedonia, Allchar 10:32

PARATACAMITE
 UK England, Cornwall, Pendeen
 Botallack m. 6:8
 Levant m. 2:26
 UK Scotland, Hebrides, Islay,
 Rhuba a'Mhill 4:30

PARISITE-(Ce)
 France, Ariège, Trimouns 5:6, 6

PARNAUITE
 France, Var, Cap Garonne 2:14

PECTOLITE
 UK Wales, Clwyd, Glyn Ceiriog,
 Hendre q. 10:48, 50, 51, 51

PENTLANDITE
 UK Wales, Dyfed, Ceulanymaesmawr,
 Esgair Hir m. 5:38

PHARMACOSIDERITE
 France, Var, Cap Garonne 2:15
 UK England, Cornwall, St Agnes,
 Cligga Head 3:34

PHENAKITE
 UK England, Cornwall
 Pendeen, Botallack m. 6:8
 St Just, Wheal Owles 5:8

PHILIPSBURGITE
 UK England, Cumbria, Caldbeck Fells,
 Low Pike 7:8, 9

PHILLIPSITE
 Australia, Tasmania, Redpa q. 4:11

PHLOGOPITE
 UK Wales, Dyfed, Ceulanymaesmawr,
 Esgair Hir m. 5:41

PHOSGENITE
 UK England, Derbyshire, Cromford,
 Bage m. 5:BMC2

PHOSPHURANYLITE
 UK England, Cornwall, St Just,
 Wheal Owles 5:8

PLAGIOCLASE
 UK England, Merseyside, Wirral,
 Thurstaston beach 6:40

PLATTNERITE
 UK Scotland, Dumfries & Galloway,
 Wanlockhead, Meadowfoot smelter 2:7

PLUMBOGUMMITE
 UK England, Cumbria, Caldbeck Fells,
 Roughton Gill m. 7:BMC6

PLUMBOMICROLITE
 Russia, Kola Peninsula, Keivy,
 Mt. Ploskaya 10:32

PORTLANDITE
 South Africa, Cape Province, Kuruman,
 Wessels m. 9:47

POSNJAKITE
 Germany, Harz, Goslar 8:22
 UK Scotland, Dumfries & Galloway,
 Wanlockhead, Meadowfoot smelter 2:7
 UK Wales, Powys, Llanidloes, Dyfngwm m. 2:30

POTASH ALUM
 UK England, North Yorkshire, Sandsend 1:38-39

PREHNITE
 South Africa, Cape Province 9:47
 UK England
 Cornwall, Pendeen, Botallack m. 6:10
 Merseyside, Wirral, Thurstaston beach 6:39
 UK Scotland, Strathclyde, Bishopton 9:BMC9

PROUSTITE
 Chile, Chañarcillo 3:IV

PSEUDOMALACHITE
 Ireland, Cork
 Cappagh m. 10:22
 Coosheen m. 10:22

PYRITE
 Australia, South Australia, Boolcoomata,
 Mutooroo Copper m. 4:43
 France, Ariège, Trimouns 5:6
 Ireland, Tipperary, Silvermines 10:25
 Spain, Rioja, Logroño
 Ambasaguas 9:26-28, 27
 Navajún 9:26-28, 27
 UK England
 Derbyshire, Ashover, Milltown q. 10:18
 Durham, Weardale, [Cambokeels m.] 8:IV
 Merseyside, Wirral, Thurstaston beach 6:41
 Nottinghamshire, Mansfield Woodhouse,
 Vale Rd q. 5:29

South Yorkshire, Rotherham,
 Silverwood Colliery 3:21

UK Scotland
 Ayrshire, Trearne q. 6:19, 20
 Central, Renfrewshire, Muirshiel m. 7:41
 Hebrides, Islay, Rhuba a'Mhill 4:30

UK Wales
 Dyfed
 Ceulanymaesmawr, Esgair Hir m. 5:38, 42
 Ponterwyd, Castell m. 8:49-50
 Tir-y-Mynach, Llechwedd Helyg 3:26
 Powys, Llanidloes, Dyfngwm m. 2:29

PYROLUSITE
 UK Scotland, Central, Renfrewshire,
 Muirshiel m. 7:41
 UK Wales, Dyfed, Tir-y-Mynach,
 Llechwedd Helyg 3:26

PYROMORPHITE
 Australia, NSW, Broken Hill, South m. 10:40
 France, Corrèze, Ussel, Les Farges m. 10:II
 UK England
 Cornwall
 Phillack, Wheal Alfred 4:I; 5:III
 St Hilary, Penberthy Croft 9:12, 13
 Cumbria, Caldbeck Fells
 Roughton Gill m. 5:BMC1; 7:BMC6
 Derbyshire, Winster
 Pike Lane Open-cut 7:5,5
 White Rake 5:9
 UK Scotland, Central, Manno Hill 9:37
 UK Wales
 Dyfed
 Bwlch Glas m. 7:24
 Ceulanymaesmawr, Esgair Hir m. 5:42
 Tir-y-Mynach, Llechwedd Helyg 3:27

PYRRHOTITE
 UK England
 Durham, Weardale 3:4; 8:4
 Merseyside, Wirral, Thurstaston beach 6:42
 Russia, Primorsky Krai,
 Dal'negorsk 7:10; 9:44, 45; 10:32

QUARTZ
 Australia, S. Australia
 Dome Rock copper m. 4:42
 Mutooroo copper m. 4:43
 Austria, Oederwinkel 7:31
 Brazil, Minas Gerais, José Pinto m. 9:45
 France
 Ariège, Trimouns 5:6
 Isère
 La Gardette 7:32, 33, 33, 38; 8:39, 40
 Le Frenay d'Oisans 7:35
 Vizille 7:34
 Savoie
 Mont Blanc 7:I, 31-32
 Tarantaise 7:32
 Ireland, Kerry, Aghnanus Bridge 10:23
 Switzerland
 Uri 7:37
 Teifen Glacier 7:30-31
 Valais
 Fiesch Glacier 7:30
 Zinggenstock 7:29-30
 UK England
 Cornwall
 Kea, Wheal Jane 9:I
 Pendeen
 Botallack m. 6:10
 Levant m. 2:26
 St Agnes, Cligga Head 3:33
 St Austell, Treviscoe pit 1:45
 Cumbria, Scordale, Hilton m. 1:33
 UK Scotland
 Ayrshire, Trearne q. 6:20
 Central
 Manno Hill 9:37
 Muirshiel m. 7:41
 Dumfries & Galloway, Kinharvie Burn 8:44
 UK Wales
 Clwyd, Glyn Ceiriog, Hendre q. 10:51
 Dyfed, Tir-y-Mynach, Llechwedd Helyg 3:27
 Powys, Llanidloes, Dyfngwm m. 2:29

QUARTZ ps FLUORITE
 UK England, Cornwall, Kea, Wheal Jane 9:II

QUARTZ var. AGATE
 UK England, Northumberland,
 Cheviot Hills 7:15, 16

UK Scotland
 Fife 7:15, 16
 Strathclyde, Mull 7:16
 Tayside, Angus
 Ferryden 7:16
 Scurdie Ness 7:15,16
 Uruguay 10:34
QUARTZ var. **AMETHYST**
 Australia, Western Australia,
 Hammersley Range, Mount Bruce 10:34
 Korea 10:29
 Mexico, Guerro, Zumpango del Rio,
 Amatitlán 10:32
 UK England, Cornwall, St Austell,
 Longstones pit 1:45
QUETITE
 UK England, Cumbria, Caldbeck Fells,
 Red Gill m. 7:8, 8; 10:36
RAMSBECKITE
 Germany, Harz, Goslar
 unlocalised 8:22
 Ochsenhütte 8:19
REALGAR
 China, Hunan 10:28; 31
REBULLITE
 Yugoslavia, Macedonia, Allchar 10:32
RHODOCHROSITE
 Africa 6:11
 Peru, Chacao 10:29, 30
 South Africa, Kuruman, Hotazel 9:47
 UK England, Cornwall, Pendeen, Levant m. 2:26
RHODONITE
 Australia, NSW, Broken Hill, South m. 10:40
RITTMANNITE
 Portugal, Viseu, Mangualde 10:39
ROCKBRIDGEITE
 UK England, Cornwall, Liskeard,
 West Phoenix m. 10:39
ROMANECHITE
 UK Scotland, Dumfries & Galloway,
 Kinharvie Burn 8:44, 44
ROSASITE
 UK England, Durham, Lunedale,
 Closehouse q. 10:37
RUTILE
 France, Ariège, Trimouns 5:6
 UK England, Cornwall, Tintagel,
 Lanterdan q. 10:36
 UK Wales, Clwyd, Glyn Ceiriog,
 Hendre q. 10:51
SAL AMMONIAC
 Tadzhikistan, Ravat 8:5
SALEEITE
 UK England, Cornwall, St Just,
 Wheal Owles 5:8
SAPONITE
 Australia, Tasmania, Redpa q. 4:11
SCHEELITE
 France, Ariège, Trimouns 5:6
 UK England
 Cornwall, Pendeen, Botallack m. 6:10
 Cumbria, Shap Pink q. 10:37
 Devon, South Zeal, Ramsley m. 8:5
SCHMEIDERITE
 UK Scotland, Dumfries & Galloway,
 Wanlockhead, Meadowfoot smelter 2:7
 UK Wales, Dyfed, Tir-y-Mynach,
 Llechwedd Helyg m. 8:48
SCHORL
 UK England, Cornwall, St Agnes,
 Cligga Head 3:34
SCHULENBERGITE
 Germany, Harz, Goslar 8:22
SCORODITE
 France, Var, Cap Garonne 2:15
 UK England, Cornwall
 St Agnes, Cligga Head 3:34
 St Austell, Imperial pit 1:45
SERPIERITE
 Germany, Harz, Goslar 8:22
 Ireland, Kerry, Ross Island 10:23
 UK England, Cumbria, Garrigill,
 Tynebottom m. 2:21
 UK Scotland, Dumfries & Galloway,
 Wanlockhead, Meadowfoot smelter 2:7
 UK Wales, Dyfed, Ceulanymaesmawr,
 Esgair Hir m. 5:42
SHIGAITÉ
 Australia, South Australia, Iron Knob,
 Iron Monarch open cut 9:43
SIDERITE
 UK England
 Cornwall
 Camborne, South Crofty 3:20
 St Just, Wheal Drea 5:9
 Devon, [Virtuous Lady m?] 8:17
 UK Scotland, Ayrshire, Trearne q. 6:20
 UK Wales, Glamorgan, Ogmere Vale,
 Whyndam Colliery 6:2
SIEGENITE
 UK Wales, Dyfed, Talybont, Erglodd m. 9:4
SILVER
 Chile, Chañarcillo, Dolores m. 7:9
 Germany
 Harz, Goslar 8:21
 Saxony, Crottendorf, Pohla 10:32
 UK England, Cornwall, St Hilary,
 Penberthy Croft 9:14
 UK Scotland, Central
 Clackmannan, Alva Silver m. 10:IV
 Mannoch Hill 9:37
 Kazakhstan, Dzeskazgan 10:32
SMITHSONITE
 Australia, NSW, Broken Hill, South m. 10:40
 Germany, Harz, Goslar 8:22
 Ireland, Clare, Sheshodonnell m. 10:25
 UK England
 Derbyshire, Ashover, Milltown q. 10:18
 Yorkshire
 Aysgarth, Wetgrooves m. 3:14
 Pately Bridge, Coldstones q. 2:19
 UK Wales
 Dyfed, Ceulanymaesmawr, Esgair Hir m. 5:42
 Powys, Llanidloes, Dyfngwm m. 2:29
SPANGOLITE
 France, Var, Cap Garonne 2:15
 Germany, Harz, Goslar 8:22
SPESSARTINE
 Australia, NSW, Broken Hill, South m. 10:40
 Pakistan, ?Stak Nala, 10:29, 30
SPHALERITE
 Ireland, Tipperary, Silvermines,
 Mogul m. 10:25, 27
 Russia, Primorsky Krai, Dal'negorsk 10:32
 UK England
 Derbyshire, Ashover, Milltown q. 10:18
 Nottinghamshire, Mansfield Woodhouse,
 Vale Road q. 5:29
 Warwickshire, Nuneaton, Judkins q. 10:12
 UK Scotland, Central,
 Mannoch Hill 9:37, 38, 38
 UK Wales
 Dyfed
 Ceulanymaesmawr, Esgair Hir m. 5:38, 42
 Tir-y-Mynach, Llechwedd Helyg 3:27
 Powys, Llanidloes, Dyfngwm m. 2:28
STANNOIDITE
 UK England, Cornwall, St Austell,
 Gunheath pit 3:37
STEVENSITE
 Australia, Tasmania, Redpa q. 4:11
STIBNITE
 China, Hunan, Hsikwangshan m. 10:28
 Romania
 Baiut 8:41
 Kirghizia, Kadamdzhai 7:10; 10:29
 Maramures, Herja 10:29
 Ukraine, Nokitovka 8:5
STILBITE
 UK England, Cornwall, Pendeen,
 Botallack m. 6:10
 UK Scotland, Highland, Skye 4:21
 Sgurr Nam Boc 10:44,45
STOKESITE
 UK England, Cornwall, Pendeen,
 Botallack m. 6:10
STOLZITE
 France, Lozère, St Leger de Peyre,
 St Lucie m. 10:32
 UK England, Cumbria, Caldbeck Fells,
 Brandy Gill 1:28
STRASHIMIRITE
 France, Var, Cap Garonne 2:14
STRONTIANITE

UK Scotland
 Ayrshire, Trearne q. 6:19, 20
 Central, Renfrewshire,
 Muirshiel m. 7:41, 42, 43
 Strontian 1:42
STRONTIOPIEMONTITE
 Italy, Liguria, Val Graveglia 10:39
STURMANITE
 Namibia 4:11
SULPHUR
 Poland, Tarnobrzeg, Machow 8:9, 10
 UK England, Derbyshire, Ashover,
 Milltown q. 10:18
SUSANNITE
 Germany, Harz, Goslar 8:22
 UK England, Cumbria, Caldbeck,
 Red Gill m. 5:21
 UK Wales
 Dyfed
 Ceulanymaesmawr, Esgair Hir m. 5:42
 Tir-y-Mynach, Llechwedd Helyg m. 8:48
SWEETITE
 UK England, Derbyshire, Ashover,
 Milltown q. 10:14, 16, 18
SYNCHISITE-(Ce)
 France, Ariège, Trimouns 5:6, 6
SYLVANITE
 USA, Colorado, Cripple Creek 1:19
TACHARANITE
 Australia, Tasmania, Redpa q. 4:11
TALC
 France, Ariège, Trimouns 5:6; 9:49
TENNANTITE
 Ireland, Tipperary, Gortdrum m. 10:25, 26
TETRAHEDRITE - TENNANTITE
 Ireland
 Cork, Ballycummisk m. 10:22
 Kerry
 Muckross 10:23
 Ross Island 10:23
 UK England, Warwickshire, Nuneaton,
 Judkins q. 10:13
TETRAHEDRITE
 Ireland, Tipperary, Silvermines 10:25
 UK England, Cornwall, St [Endellion,
 Herodsfoot m. 6:1V]
 UK Wales, Dyfed, Ceulanymaesmawr,
 Esgair Hir m. 5:38
 USA, Colorado, Cripple Creek 1:19
THAUMASITE
 South Africa, Cape Province, Kuruman,
 Wessels m. 9:47
THOMSONITE
 Australia, Tasmania, Redpa q. 4:12
 UK England, Merseyside, Wirral,
 Thurstaston beach 6:42
TITANITE
 UK England, Merseyside, Wirral,
 Thurstaston beach 6:39
 UK Scotland, Dumfries & Galloway,
 Kinharvie Burn 8:44
TOBERMORITE
 Australia, Tasmania, Redpa q. 4:12
TOPAZ
 Namibia, Usakos, Spitzkopje 8:9
 UK England, Cornwall
 St Agnes, Cligga Head 3:34
 St Austell
 Goonbarrow pit 1:45
 Wheal Remfrey pit 1:45
TORBERNITE
 UK England, Cornwall
 St Austell
 Gunheath pit 1:45
 Wheal Remfrey pit 1:45
 St Just, Wheal Owies 5:7
TOURMALINE
 Africa, 8:38, 39
 UK England, Cornwall
 St Austell
 Dorothy pit 1:45
 Imperial pit 1:45
 Wheal Remfrey pit 1:45
 USA, California, Fulbrook, Himalaya m. 7:8, 11
TREMOLITE
 Afghanistan, Badakhstan, Kozano Mujan 10:29
TSUMEBITE
 Australia, NSW, Broken Hill,
 South m., Block 14 10:40
TURQUOISE
 Ireland, Limerick, Shanagolden,
 Ballycormick 10:25
 UK England, Cornwall, St Austell,
 Gunheath pit 1:45
 USA, Colorado, Cripple Creek 1:19-20
TYROLITE
 France, Var, Cap Garonne 2:14
 Ireland
 Kerry, Ross Island 10:23
 Tipperary, Gortdrum m. 10:24, 26
 UK Wales, Dolgellau, Bontddu 3:4
ULLMANITE
 UK Wales, Dyfed
 Ceulanymaesmawr, Esgair Hir m. 5:38
 Ysbyty Ystwyth, Hendrefelen m. 8:47
UN-NAMED τ -Zn(OH)₂
 UK England, Derbyshire, Ashover,
 Milltown q. 10:14, 19
UNKNOWN Cu-Al-PO
 UK England, Cornwall, Liskeard,
 West Caradon m. 5: III
UNKNOWN Cu-Ca-Na-PO₄-H₂O
 UK England, Warwickshire, Nuneaton,
 Judkins q. 10:11, 13
UNKNOWN Pb-O-H₂O
 UK England, Derbyshire, Ashover,
 Milltown q. 10:17, 19
VANADINITE
 Morocco, Mibladen 5:11
 UK England, Warwickshire, Nuneaton,
 Judkins q. 10:11, 13
VANTASSELITE
 Belgium 3:38, 39
VARISCITE
 Ireland, Cork, Minane Bridge,
 Laharran q. 10:22
VAUGHANITE
 Canada, Ontario, Hemlo 10:38
VAUQUELINITE
 Australia, NSW, Broken Hill, South m. 10:40
 South Africa, Transvaal,
 Argent lead mines 9:47
VESZELYITE
 UK Scotland
 Dumfries & Galloway, Wanlockhead,
 Straitsteps v. 5:10-11; 8:1, 6, 7
VIOLARITE
 UK Wales, Dyfed, Ceulanymaesmawr,
 Esgair Hir m. 5:38
VIVIANITE
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 France, Var, Cap Garonne 2:15
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 Patterdale, Hartsop Hall m. 1:28
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 Cromford, Ball Eye m. 1:28
 Eyam, Ladywash m. 1:28
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 Tickow Lane m. 1:28
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The following list is a key to localities, from specific site to general area (country) to enable readers to find them in the LOCALITIES index where they are ordered from general to specific, i.e. from country through province or county, to mine or quarry.

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Aghnanus Bridge, Kerry, Ireland
Ale & Cakes, St Day, Cornwall, England, UK
Allchar, Macedonia, Yugoslavia
Allihies, Cork, Ireland
Alva Silver m., Clackmannan, Central, Scotland, UK
Amatitlán, Zumpango del Rio, Guerrero, Mexico
Ambasaguas, Rioja, Spain
Angus, Tayside, Scotland, UK
Annesley, Kirkby-in-Ashfield, Nottinghamshire, England, UK
Argent lead mines, Transvaal, South Africa
Asquith Boulevard, Leicester, England, UK
Ayr, Strathclyde, Scotland, UK
Badakhstan, Afghanistan
Bage m., Cromford, Derbyshire, England, UK
Baia Sprie, Maramures, Romania
Baiut, Maramures, Romania
Ball Eye m., Cromford, Derbyshire, England, UK
Ballybunnion, Kerry, Ireland
Ballycormick, Shanagolden, Limerick, Ireland
Ballycummisk m., Cork, Ireland
Ballygown South m., Silvermines, Tipperary, Ireland
Bassin du Niari, Zaire
Batts Coombe q., Cheddar, Somerset, England, UK
Bells Grove m., Strontian, Highland, Scotland, UK
Berbes, Asturias, Spain
Bewerley, North Yorkshire, England, UK
Biggrigg m., Egremont, Cumbria, England, UK
Bishopston, Paisley, Strathclyde, Scotland, UK
Bitholmes m., Ewden Valley, South Yorkshire, England, UK
Blackdene m., Weardale, Durham, England, UK
Bolgna, Emilia Romagna, Italy
Bontddu, Dolgellau, Gwynedd, Wales, UK
Botallack m., Pendeen, Cornwall, England, UK
Boulogne, Pas de Calais, France
Bounds Cliff, St Endellion, Cornwall, England, UK
Bourg d'Oisans, Isère, France
Brae Fell m., Caldbeck Fells, Cumbria, England, UK
Broken Hill, NSW, Australia
Bromehead m., Ewden Valley, South Yorkshire, England, UK
Buick m., Iron Co., Missouri, USA
Bulwell, Nottinghamshire, England, UK
Bunmahon, Waterford, Ireland
Buttermere, Cumbria, England, UK
Buxier-les-mines, Allier, France
Bwiche Glas m., Dyfed, Wales, UK
Caldbeck Fells, Cumbria, England, UK
Callington, Camborne, Cornwall, England, UK
Cambockeels m., Weardale, Durham, England, UK
Camborne, Cornwall, England, UK
Cap Garonne, Var, France
Capelcleugh m., Alston, Cumbria, England, UK
Caravia, Asturias, Spain
Carcaore, NSW, Australia
Carharrack, Cornwall, England, UK
Carrock m., Caldbeck Fells, Cumbria, England, UK
Cartagena, Murcia, Spain
Castelford, South Yorkshire, England, UK
Castell m., Pontenwyd, Dyfed, Wales, UK
Chacao, Peru
Chañarcillo, Chile
Cheviot Hills, Northumberland, England, UK
Clear Creek m., San Benito Co., California, USA
Cligga Head, St Agnes, Cornwall, England, UK
Clogau m., Dolgellau, Gwynedd, Wales, UK
Closehouse q., Lunedale, Durham, England, UK
Coldstones q., Pateley Bridge, North Yorkshire, England, UK
Coombe Farm q., Henbury, Somerset, England, UK
Coosheen m., Cork, Ireland
Corrantee m., Strontian, Highland, Scotland, UK
Cripple Creek, Colorado, USA
Croft q., Leicestershire, England, UK
Dal'negorsk, Primorsky Krai, Russia
Darren m., Aberystwyth, Dyfed, Wales, UK
Dean q., St Keverne, Cornwall, England, UK
Devon Great Consols, Tavistock, Devon, England, UK
Dhurode m., Cork, Ireland
Dolgellau, Gwynedd, Wales, UK
Dolores m., Chañarcillo, Chile
Dome Rock Copper m., Boolcoomata, S. Australia
Dorothy pit, St Austell, Cornwall, England, UK
Dossu, Haramosh mts, Pakistan
Dossu, Pakistan
Driggith m., Caldbeck Fells, Cumbria, England, UK
Dry Gill m., Caldbeck Fells, Cumbria, England, UK
Dyfnwgwm m., Llanidloes, Powys, Wales, UK
Dzeskazgan, Kazakhstan
Egremont, Cumbria, England, UK
Erglodd m., Talybont, Dyfed, Wales, UK
Ernst August m., Gittelde, Harz, Germany
Esgair Hir m., Ceulanymaesmawr, Dyfed, Wales, UK
Eugui m., Navarra, Spain
Ewden Valley, South Yorkshire, England, UK
Failowfield m., Hexham, Northumberland, England, UK
Fee Donald m., Strontian, Highland, Scotland, UK
Ferryden, Tayside, Scotland, UK
Fiesch Glacier, Valais, Switzerland
Fuentes de Ebro, Zaragoza, Aragon, Spain
Fulbrook, Himalaya m., Fulbrook, California, USA
Gatehouse of Fleet, Dumfries & Galloway, Scotland, UK
Geevor m., Pendeen, Cornwall, England, UK
George III m., Bad Grund, Harz, Germany
Glandore, Cork, Ireland
Glog Fach lode, Ysbyty Ystwyth, Dyfed, Wales, UK
Gobbins, Islandmagee, Antrim, Northern Ireland
Goonbarrow pit, St Austell, Cornwall, England, UK
Gortdrum m., Tipperary, Ireland
Goslar, Harz, Germany
Great Sled Dale, North Yorkshire, England, UK
Grotta de Faraglione, Vulcano, Lipari Islands, Italy
Grube Samsen, St Andreasberg, Harz, Germany
Gunheath pit, St Austell, Cornwall, England, UK
Hagendorf, Oberpfalz, Germany
Hartsop Hall m., Patterdale, Cumbria, England, UK
Heights m., Westgate, Durham, England, UK
Hendre q., Glynceiriog, Clwyd, Wales, UK
Hendrefelen m., Ysbyty Ystwyth, Dyfed, Wales, UK
Herodsfoot m., St Endellion, Cornwall, England, UK
Hickleton colliery, Goldthorpe, South Yorkshire, England, UK
Higher Pitts, Mendip, Somerset, England, UK
Hilton m., Scordale, Cumbria, England, UK
Hsikwangshan m., Hunan, China
Hunza valley, Pakistan
Imperial pit, St Austell, Cornwall, England, UK
Iron Knob, S. Australia
Iron Monarch Open Cut, Iron Knob, S. Australia
Islandmagee, Antrim, Northern Ireland
Islay, Strathclyde, Scotland, UK
Isolation m., Snelston, Derbyshire, England, UK
José Pinto m., Minas Gerais, Brazil
Judkins q., Nuneaton, Warwickshire, England, UK
Juliushütte, Goslar, Harz, Germany
Kadamdzhai, Kirghizia
Kertch, Crimea, Ukraine
Kilbreckan m., Ennis, Clare, Ireland
Kimberley, Cape Province, South Africa
Kinharvie Burn, Dumfries & Galloway, Scotland, UK
Kintore Open Cut, South m., Broken Hill, NSW, Australia
Knockmahon, Waterford, Ireland
Knoydart, Highland, Scotland, UK
Kozano Mujan, Afghanistan
Kuruman, Cape Province, South Africa
La Gardette, Bourg d'Oisans, Isère, France
Ladywash m., Eyam, Derbyshire, England, UK
Laharran m., Minane Bridge, Cork, Ireland
Lauchentyre m., Gatehouse of Fleet, Dumfries & Galloway, Scotland, UK
Le Frenay d'Oisans, Bourg d'Oisans, Isère, France
Leadhills, Strathclyde, Scotland, UK
Leadhills-Wanlockhead orefield, Dumfries & Galloway, Scotland, UK
Leadhills-Wanlockhead orefield, Strathclyde, Scotland, UK
Lei-Yang m., Hunan, China
Les Farges m., Ussel, Correze, France
Levant m., Pendeen, Cornwall, England, UK
Lindal Moor, Cumbria, England, UK

Llanrwst, Gwynedd, Wales, UK
 Llechwedd Helyg m., Tir-y-Mynach, Dyfed, Wales, UK
 Llywernog m., Plynlimon, Dyfed, Wales, UK
 Logroño, Rioja, Spain
 Longstones pit, St Austell, Cornwall, England, UK
 Machow, Tarnobrzeg, Poland
 Mangualde, Viseu, Portugal
 Mapimi, Durango, Mexico
 Mashamba m., Zaire
 May Downs, Queensland, Australia
 Mazarron, Murcia, Spain
 Meadowfoot smelter, Wanlockhead, Dumfries & Galloway, Scotland, UK
 Merehead q., Mendip, Somerset, England, UK
 Middleshoo m., Strontian, Highland, Scotland, UK
 Middleton Tyas, North Yorkshire, England, UK
 Milltown q., Ashover, Derbyshire, England, UK
 Mina Moscona, Solis, Asturias, Spain
 Minas Gerais, Brazil
 Mogul m., Silvermines, Tipperary, Ireland
 Mont Blanc, Savoie, France
 Mont Cornillon, Bourg d'Oisans, Isere, France
 Morocolala, Oruro, Bolivia
 Moschel-Landsberg, Obermoschel, Pfalz, Germany
 Mount Cobalt, Queensland, Australia
 Muckross, Kerry, Ireland
 Muirshiel m., Renfrew, Strathclyde, Scotland, UK
 Mull, Strathclyde, Scotland, UK
 Murchison Antimony m., Transvaal, South Africa
 Mutooroo Copper m., Boolcoomata, S. Australia
 Nagar, Hunza valley, Pakistan
 Navajún, Rioja, Spain
 Nchwaning II m., Kuruman Cape Province, South Africa
 Nentsberry Hags m., Alston, Cumbria, England, UK
 New Consols m., Callington, Camborne, Cornwall, England, UK
 New Glencrieff m., Wanlockhead, Dumfries & Galloway, Scotland, UK
 Nokitovka, Ukraine
 Ochsenhütte, Goslar, Harz, Germany
 Olkusz, Silesia, Poland
 Oruro, Bolivia
 Oujda, Morocco
 Paisley, Strathclyde, Scotland, UK
 Palabora m., Transvaal, South Africa
 Parkside m., Frizington, Cumbria, England, UK
 Penberthy Croft, St Hilary, Cornwall, England, UK
 Pendeen, Cornwall, England, UK
 Pen-y-Clun m., Llanidloes, Dyfed, Wales, UK
 Phoenix m., Linkinhorne, Cornwall, England, UK
 Pibble m., Creetown, Dumfries & Galloway, Scotland, UK
 Pike Lane Opencut, Winstler, Derbyshire, England, UK
 Pimbi mining district, Zaire
 Poddy Gill, Caldbeck Fells, Cumbria, England, UK
 Pohla, Crottendorf, Saxony, Germany
 Potosi m., Snat Eulalia, Mexico
 Pribram, Bohemia, Czechoslovakia
 Puy St. Gulmier, Ariege, France
 Rammelsberg m., Goslar, Harz, Germany
 Ramsley m., South Zeal, Devon, England, UK
 Ravat, Tadzhikistan
 Red Gill m., Caldbeck Fells, Cumbria, England, UK
 Redpa q., Tasmania, Australia
 Redruth, Cornwall, England, UK
 Renfrew, Strathclyde, Scotland, UK
 Rhuba a'Mhill, Islay, Strathclyde, Scotland, UK
 Rio Grande do Sul, Brazil
 Rocher d'Armentier, Bourg d'Oisans, Isere, France
 Rosh Pienaar m., Namibia
 Ross Island, Kerry, Ireland
 Roughton Gill, Caldbeck Fells, Cumbria, England, UK
 Rowley m., Arizona, USA
 Sandbeds m., Caldbeck Fells, Cumbria, England, UK
 Sandsend, North Yorkshire, England, UK
 Scurdie Ness, Angus, Tayside, Scotland, UK
 Serra Pelada, Minas Gerais, Brazil
 Sgurr Nam Boc, Skye, Highland, Scotland, UK
 Shap Pink q., Cumbria, England, UK
 Sheshdonnell m., Clare, Ireland
 Short Grain, Caldbeck Fells, Cumbria, England, UK
 Silverband m., Milburn, Cumbria, England, UK
 Silvermines, Tipperary, Ireland
 Silverwood Colliery, Rotherham, South Yorkshire, England, UK
 Skye, Highland, Scotland, UK
 Smallcleugh m., Alston, Cumbria, England, UK
 Socrates mercury m., Sonoma Co., California, USA
 Solis, Asturias, Spain
 South Crofty, Camborne, Cornwall, England, UK
 South Mine, Broken Hill, NSW, Australia
 Spitzkopje, Usakos, Namibia
 Spoerrin Mts, Northern Ireland, UK
 St Andreasberg, Harz, Germany
 St Austell, Cornwall, England, UK
 St Lucie m., St Leger de Peyre, Lozere, France
 Stak Nala, Pakistan
 Stavoren farm, Transvaal, South Africa
 Stonecroft, Northumberland, England, UK
 Straitsteps v., Wanlockhead, Dumfries & Galloway, Scotland, UK
 Strontian, Highland, Scotland, UK
 Struy lead m., Inverness, Highland, Scotland, UK
 Susanna m., Leadhills, Strathclyde, Scotland, UK
 Tarantaise, Savoie, France
 Teifen Glacier, Uri, Switzerland
 Thurcroft Colliery, South Yorkshire, England, UK
 Thurstaston beach, Wirral, Merseyside, England, UK
 Tickow Lane m., Shepshed, Leicestershire, England, UK
 Touissit, Oujda, Morocco
 Trearne q., Ayr, Strathclyde, Scotland, UK
 Treviscoe pit, St Austell, Cornwall, England, UK
 Trimouns, Ariege, France
 Tri-State District, USA
 Tschernomorsky m., Kertch, Crimea, Ukraine
 Tsumeb m., Namibia
 Ty Coch, Gwent, Wales, UK
 Tynebottom m., Garrigill, Cumbria, England, UK
 Usakos, Namibia
 Val Graveglia, Liguria, Italy
 Vale Road q., Mansfield Woodhouse, Nottinghamshire, England, UK
 Van mine, Llanidloes, Powys, Wales, UK
 Vibernum Trend, Missouri, USA
 Villabona, Asturias, Spain
 Virtuous Lady m., Tavistock, Devon, England, UK
 Vizille, Isere, France
 Volyn Peninsula, Crimea, Ukraine
 Vulcano, Lipari Islands, Italy
 Waterbank m., Ecton, Staffordshire, England, UK
 Wessels m., Kuruman, Cape Province, South Africa
 West Wheel Phoenix, Liskeard, Cornwall, England, UK
 Wetgrooves m., Aysgarth, North Yorkshire, England, UK
 Wheel Alfred, Phillack, Cornwall, England, UK
 Wheel Basset, Redruth, Cornwall, England, UK
 Wheel Buller, Redruth, Cornwall, England, UK
 Wheel Coates, St Agnes, Cornwall, England, UK
 Wheel Cock Zawn, Pendeen, Cornwall, England, UK
 Wheel Gorland, St Day, Cornwall, England, UK
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 Wheel Owles, St Just, Cornwall, England, UK
 Wheel Remfrey pit, St Austell, Cornwall, England, UK
 Whitesmith m., Strontian, Highland, Scotland, UK
 Whiteworks, Carharrack, Cornwall, England, UK
 Whitstone q., Bovey Tracey, Devon, England, UK
 Wig-Twizzle m., Ewden Valley, South Yorkshire, England, UK
 Witwatersrand, Transvaal, South Africa
 Ysbyty Ystwyth, Dyfed, Wales, UK
 Ystrad Einion m., Dyfed, Wales, UK
 Zaragosa, Aragon, Spain
 Zinggenstock, Valais, Switzerland
 Zumpango del Rio, Guerrero, Mexico

LOCALITIES

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This index lists mineral species by locality, each locality being cited in reverse order so that geographically related localities are indexed together. To find a locality where only the specific locality name is to hand (e.g. mine name), look up this name in the **Site Names** index first.

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