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Legend:	a	Mineral analysis
	D	Discredited species/occurrence
	EDS	Energy dispersive spectrum
	F (f)	Figure/photograph
	LRS	Laser Raman spectroscopy
	W	Listed in - What's New in Minerals
	XRD	X-ray powder diffraction data

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MINERALS:**Abellaite**

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Mina Nueva Vizcaya, Burguillos del Cerro, Bodajoz, Spain 3(2):130W

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Amamoor mine, near Gympie, Queensland 20(1):65W; 20(2):7-14, 9f, 10f, 11a, 11XRD; 21(2):37,

Amarantite

Sunny Corner, New South Wales 17(1):50

Amethyst, see Quartz variety amethyst**Aminoffite**

Hall's Grampians, near Emmaville, New South Wales 4(2):98

Analcime

Ardglen, New South Wales 6(1):35-39af
Awatere Valley, New Zealand 8(1):41W
Ben Lomond railway cutting, New South Wales 4(2):123
Ben Lomond quarry, New South Wales 4(2):126
Bonney's quarry, South Burnie, Tasmania 10(2):62
Borambil, New South Wales 2(1):12-13f, 20a
Bundoora basalts, Victoria 20(1):30, 30f
Cape Grim, Tasmania 10(2):62f
The Doughboys, near Cape Grim, Tasmania 10(2):62f
Flat Topped Bluff, Tasmania 10(2):62,63a, 66f
Guildford, Tasmania 10(2):62
Krui Valley, Merriwa, New South Wales 8(2):62a, 63f
Little Deer Park, County Antrim, Ireland 11(1):20
Marys Is., Tasmania 10(2):63
Middlesex Plains, Tasmania 10(2):62
Moonen Bay, Skye, Scotland 1(1):31W
Mt Cameron West, near Redpa, Tasmania 10(2):62
The Nut, Stanley, Tasmania 10(2):63
Railton-Moriarty, Tasmania 10(2):62
Redpa-Marrawah, Tasmania 10(2):62
Reid Rocks, Bass Strait, Tasmania 10(2):63
River Bluff, MacIntyre River, Inverell, New South Wales 4(2):130
Stanley, Tasmania 10(2):62
Table Cape, Tasmania 10(2):62
The Vugh, Sand Queen mine, Comet Vale, Western Australia 12(1):17-21

Anatase

Byles gold mine, Mongolata gold field, Mt Lofty Ranges, South Australia 15:42f
Iron Monarch, South Australia 6(1):10
Mount Lyell mines, Tasmania 21(2):30f
North Queensland 18(1):66W, 66f
Philosopher's Ridge, Queenstown, Tasmania 7(2):82W; 21(2):21
Tumut Serpentine Province, New South Wales 7(1):6

Andalusite variety chiastolite

Mt Howden, South Australia 9(2):92f
Olary Block, South Australia 9(2):91, 92f, 93XRD

Andesine

Boral quarry, Bundoora, Victoria 21(1):61f
Rollinsons quarry, near Malmsbury, Victoria 16(2):97, 97f

Andradite

Kara mine, Tasmania 4(1):40W; 7(1):37W
N'Chwaning II mine, Kalahari, South Africa 2(2):79W; 8(1):43W
Paddys River Valley, Australian Capital Territory 22(1):33, 33f, 34f

Angastonite

Penrice quarry, Angaston, South Australia 14(2):62W; 17(1):10f, 12, 12f; 21(2):38,38f; 23(1):5, 6, 8f, 13, 14, 15f, 16, 22, 23f, 24f

Anglesite

Adelaide mine, Dundas, Tasmania 12(2):79
Block Nine mine, Mineral Hill field, New South Wales 11(2):106
Block 14 opencut, Broken Hill, New South Wales 3(1):41-42; 5(1):46, 47fW; 14(2):61f
Broken Hill, New South Wales 3(1):11f, 14f, 79f; 6(2):87f; 11(1):21f
Cliff workings, Red Rock field, Drake Goldfield, NSW 24(2):33f, 34, 34f, 40f
Comet mine, Dundas, Tasmania 12(2):78-79f
Day Dream mine, Silverton, New South Wales 3(2):105, 108f
Dundas, Tasmania 6(2):78f
Happy Jack mine, Comet Vale, Western Australia 12(1):14
Iron Monarch, South Australia 6(1):10

Kapi mine, Dundas, Tasmania 12(2):79
Kintore opencut, Broken Hill, New South Wales 3(1):41-42, 44f
Kosminsky mine, Dundas, Tasmania 12(2):79
Magnet mine, Tasmania 1(1):9; 12(2):79
Machen quarry, Wales 1(1):31W
Mibladen, Morocco 9(2):100f
MMM Ltd mine, Broken Hill, New South Wales 3(1):20f
Mt Malvern mine, Adelaide Hills, South Australia 4(1):40W; 5(1):6
Mt Stewart mine, Leadville, New South Wales 5(1):33f
Northampton, Western Australia 18(1):39
Parkers Hill, Mineral Hill field, New South Wales 11(2):106
Penny West gold mine, Youanmi, Western Australia 18(1):27
Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W; 4(1):40W; 5(2):87W
Potter's mine, Condobolin, New South Wales 11(2):119f, 120
Ragged Hills, Braeside lead field, Pilbara, Western Australia 13(2):57
Red Lead mine, Dundas, Tasmania 12(2):79,85f
Shangri La mine, Kimberley, Western Australia 16(1):19, 20SEM, 22f
Sunny Corner, New South Wales 17(1):48
Touissit mine, Morocco 6(2):55f
West Comet mine, Dundas, Tasmania 12(2):79
Whim Creek mine, Western Australia 4(1):18

Anhydrite
Mount Lyell mines, Tasmania 21(2):30f

Anilite
Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):19, 18f

Ankerite
Magnet mine, Tasmania 1(1):9
Mount Lyell mines, Tasmania 21(2):30f
Paddys River Valley, Australian Capital Territory 22(1):42, 34f
Telfer gold mine, Western Australia 12(1):29
Walleroo mines, Kadina, South Australia 20(1):19f

Annabergite
Union Jack gold mine, Coolgardie, Western Australia 19(2):43-44, 43f

Anorthoclase
Loyetea, Tasmania 21(1):70W, 70f
Rollinsons quarry, near Malmsbury, Victoria 16(2):97, 98f, 99f
Waitakere Ranges, North Island, New Zealand 19(2):21

Anthophyllite, see gedrite/anthophyllite

Antigorite
Tumut Serpentinite Province, New South Wales 7(1):6, 9

Antimony
Hillgrove, New South Wales 4(2):92
Inglewood, Victoria 17(2):88, 89f
Lucknow, near Orange, New South Wales 6(1):29f, 30

Anthophyllite
Paddys River Valley, Australian Capital Territory 22(1):33, 34f

Antlerite
Desolation prospect, Mount Isa Block, Queensland 17(2):84
Kintore opencut, Broken Hill, New South Wales 3(1):42
Mt Oxide, Queensland 2(1):5f
Northampton, Western Australia 18(1):39
Paddys River Valley, Australian Capital Territory 22(1):43, 34f
Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W
Shangri La mine, Kimberley, Western Australia 16(1):19

Apatite
Aberfoyle tin mine, Gladstone, Tasmania 6(2):74f
Barbara mine, Coolgardie, Western Australia 14(2):56

Ben Lomond railway cutting, New South Wales 4(2):123
Boral quarry, Bundoora, Victoria 21(1):61f
Kintore opencut, Broken Hill, New South Wales 3(1):45
Megilligar Rocks, Breage, Cornwall, England 11(1):20f
Northparkes, New South Wales 4(1):7
Rollinsons quarry, near Malmsbury, Victoria 16(2):97
Spring Creek mine, Wilmington, South Australia 2(2):60f
Woodlands, Gascoyne region, Western Australia 14(1):27-36fSEM

Apophyllite

Broken Hill, New South Wales 16(2):105f
Deccan Traps, India 16(1):42f
Hargraves quarry, Oberon, New South Wales 8(1):30-31af
Heemskirk area, Tasmania 21(1):69W, 70f
India 1(1):34
Little Plains quarry, Weldborough, Tasmania 21(1):69W, 69f, 70f
Moonen Bay, Skye, Scotland 1(1):31W
Pheasant Creek road-cutting, Barrington Tops, New South Wales 8(1):5f, 7f
Sgurr nam Boc, Skye, Scotland 1(1):31W
Waitakere Ranges, North Island, New Zealand 19(2):19

Aragonite

Abbotsford and Bundoora, Victoria 20(1):30, 31f, 32f
Baulkham Hills, New South Wales 8 (1):39
Ben Lomond quarry, New South Wales 4(2):125f, 126
Block 14 opencut, Broken Hill, New South Wales 3(1):37f
Borambil, New South Wales 2(1):13
Broken Hill, New South Wales 3(1):79
Daylesford, Victoria 1(2):14f
DeGrussa mine, Western Australia 22(2):37f
HEC Tunnel, Wilmot, Tasmania 6(2):82f
Hunter Valley, New South Wales 8(1):39
Jenolan Caves, New South Wales 5(1):47W
Kintore opencut, Broken Hill, New South Wales 3(1):35
Magnet mine, Tasmania 1(1):9
Mt Malvern mine near Clarendon, South Australia 5(1):6
Paddys River Valley, Australian Capital Territory 22(1):42, 34f, 42f
Reidy's shaft, Emmaville, New South Wales 4(2):129-130
River Bluff, MacIntyre River, Inverell, New South Wales 4(2):130
Swan Vale, New South Wales 4(2):130
Willy Wally Gully, near Merriwa, New South Wales 16(2):80

Aravaite

Hatrurium formation, Negev, Israel 20(1):60f

Archerite

Petrogale Cave, Madura, Eucla, Western Australia 6(2):108

Ardealite?

Jenolan Caves, New South Wales 5(1):47W

Arfvedsonite

Tomahawk River, north of Scottsdale, Tasmania 9(1):48W

Argentite

Magnet mine, Tasmania 1(1):9

Argentojarosite

Sunny Corner, New South Wales 17(1):48

Armalcolite

Argyle lamproite, Kimberley Region, Western Australia 24(2):10, 11, 23f;

Armenite

Simplon Pass, Switzerland 1(2):31W

Arsenic

Lionsville, New South Wales 4(2):99

Lucknow, near Orange, New South Wales 6(1):29f, 30
Solfarino, New South Wales 4(2):99

Arsenogoyazite

Red Lead mine, Dundas, Tasmania 12(2):79, 84, 86d

Arseniosiderite

Kintore opencut, Broken Hill, New South Wales 3(1):55

Mt Malvern mine near Clarendon, South Australia 5(1):6f, 11f

Twin Trees mine, Humboldt County, Nevada, USA 2(2):78W

Arsenoflorencite-(Ce)

Kimba, Eyre Peninsula, South Australia 6(2):108

Arsenopyrite

Aberfoyle tin mine, Gladstone, Tasmania 6(2):74f

Almanda mine, Cherry Gardens, South Australia 18(1):54, 55f

Dolphin mine, Vatukoula, Viti Levu, Fiji 7(2):66-67

Kingsgate, New South Wales 7(2):86f

Lucknow, near Orange, New South Wales 6(1):28-29f

Magnet mine, Tasmania 1(1):9

Mount Lyell mines, Iron Blow, Tasmania 21(2):21, 30f

Mt Malvern mine near Clarendon, South Australia 5(1):6

Mount Moliagul, Victoria 21(1): 41, 41f

Sandy Flat pipe, Redbank, Northern Territory 6(1):5

Sunny Corner, New South Wales 17(1):46

Rumsby's mine, The Gulf, Emmaville, New South Wales 18(2):26

Webbs Consols mine, Emmaville, New South Wales 4(2):94f

Wongabah mine, Rivertree, New South Wales 4(2):96f

Yaogaixian mine, Hunan Province, China 11(1):38W

Arsentsumebite, see also *Tsumebite*

Bali Lo prospect, Ashburton Downs, Western Australia 13(1):37f

Arthurite

Mujuba Hill mine, Pershing County, Nevada 21(1):48f

Artinite

Eddy Creek quarry, Weld River, Tasmania 18(1):65W

Asbolane

Mt Oxide, Queensland 2(1):5

Port Macquarie, New South Wales 4(2):99

Ashburtonite

Ashburton Downs, Capricorn Range, Western Australia 6(2):108f

Perilya Potosi operations, Broken Hill, New South Wales 20(2):47W, 47f

Atacamite

Block 14 opencut, Broken Hill, New South Wales 3(1):34,36f

Cams mine, Lake Miranda, Western Australia 20(1):51-54, 52f, 53f

Couta mine, near Temma, Tasmania 5(2):87W

Doora mine, Kadina, South Australia 17(2):64, 65f

E26 orebody, Northparkes, New South Wales 10(2):54f, 56f

Girilambone copper deposits, New South Wales 11(2):93

Great Australia mine, Queensland 1(1):25

Iron Monarch mine, South Australia 24(2):45f

Kintore opencut, Broken Hill, New South Wales 3(1):34

Mt Malvern mine near Clarendon, South Australia 5(1):6

Mt Oxide, Queensland 2(1):5

New Cornwall mine, Kadina, South Australia 6(2):68f; 16(2):59f

Nifty copper mine, Western Australia 8(2):48,49f

Northampton, Western Australia 18(1):39

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W

Spring Creek mine, Wilmington, South Australia 2(2):60

Whim Creek mine, Western Australia 4(1):18

Augelite

Gold Quarry mine, Eureka County, Nevada, USA 2(2):78W

Augite

Boral quarry, Bundoora, Victoria 21(1):61f

“Haystack”, Shannon Tier, north of Bothwell, Tasmania 7(1):37W

Mt Elliott mine, Selwyn, Queensland 3(2):126W

Rollinsons quarry, near Malmsbury, Victoria 16(2):98, 98f

Aurichalcite

Block 14 opencut, Broken Hill, New South Wales 3(1):35

Cliff workings, Red Rock field, Drake Goldfield, NSW 24(2):33f, 34,

Colebrook Hill, Tasmania 5(2):87W

Kintore opencut, Broken Hill, New South Wales 3(1):35,37f

Mt Evelyn, Northern Territory 7(1):23f

Mt Malvern mine near Clarendon, South Australia 5(1):6

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W

Shangri La mine, Kimberley, Western Australia 16(1):19

Wet Weather quarry, Crestmore, Riverside County, California, USA 4(1):42W

Aurorite

St John’s, Moculta and Tom’s quarry, Kapunda, South Australia 17(1):28, 28f

Aurostibite

Hillgrove, New South Wales 4(2):93

Lucknow, near Orange, New South Wales 6(1):28f, 29

Maldon, Victoria 15:32,33f

Autunite

Mt Painter, South Australia 9(1):19f, 31f

Awaruite

Gorge River, Red Hills Range, New Zealand 19(2):29

Tumut Serpentinite Province, New South Wales 7(1):6, 8, 9a

Axinite

Halls Creek, near Bingara, New South Wales 4(2):99

Manilla, New South Wales 4(2):99

Moonbi, Tamworth area, New South Wales 4(2):99

N’Chwaning II mine, Kalahari manganese field, South Africa 7(1):40-41fW

Nemingah, New South Wales 4(2):99

Nundle, New South Wales 4(2):99

Tourmalet Massif, Pyrénées, France 3(2):129W

Azurite

Almanda mine, Cherry Gardens, South Australia 18(1):54

Block Nine mine, Mineral Hill field, New South Wales 11(2):107

Block 14 opencut, Broken Hill, New South Wales 3(1):35

Braeside lead field, Pilbara, Western Australia 13(2):57

Broken Hill, New South Wales 3(1):12-13f; 6(2):69f; 16(2):58f; 16(2):104f; 17(2):78f; 24(1):24f,

Burra Burra mine, South Australia 6(2):65f; 20(1):22f

Cave Hill quarry, Lilydale, Victoria 13(2):77f

Cliff workings, Red Rock field, Drake Goldfield, NSW 24(2):33f, 34,

Cobar, New South Wales 11(2):75f Crusader mine, north-west Queensland 8(2):72

Crowl Creek mine, Shuttleton, New South Wales 11(2):118f Day Dream mine, Silverton, New South Wales 3(2):105

Democratic Republic of the Congo 11(1):39W

Desolation prospect, Mount Isa Block, Queensland 17(2):84

E26 orebody, Northparkes, New South Wales 10(2):54

Fulton Hogan Tynong quarry, Tynong North, Victoria 18(2):54W, 54f

Girilambone mine, Nyngan, New South Wales 2(1):41W; 11(2):92-94f

Great Australia mine, Queensland 1(1):25

Great Cobar mine, Cobar, New South Wales 11(2):76f

Hall’s Peak deposit, near Armidale, New South Wales 4(2):113

Horseshoe deposit, Duck Creek area, Queensland 3(2):125W

Hunan Province, China 9(1):48W
Iodide mine, Mineral Hill field, New South Wales 11(2):106-107f
Kintore opencut, Broken Hill, New South Wales 3(1):35,37f
Malbunka copper mine, Areyonga, Northern Territory 15:1f; 18(1):67W; 18(2):56W
Mt Cobalt, Queensland 1(2):19
Mt Hope mine, New South Wales 11(2):118f, 119
Mt Isa, Queensland 7(1):36W
Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):22, 18f, 22f, 23f, 24f
Mt Malvern mine near Clarendon, South Australia 5(1):6,11f
Mt Oxide, Queensland 2(1):5
New Dollar prospect, Duck Creek area, Queensland 3(2):125W
Nifty copper mine, Western Australia 8(2):48
Northampton, Western Australia 18(1):39, 41f
Northparkes, New South Wales 4(1):6
Paddys River Valley, Australian Capital Territory 22(1):42, 34f, 42f
Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W; 5(1):46W
Proprietary mine, Broken Hill, New South Wales 6(2):52f
Red Dome gold mine, Chillagoe, Queensland 2(1):40f, 41W; 6(1):41,42fW
Sandy Flat pipe, Redbank, Northern Territory 6(1):5f
Shangri La mine, Kimberley, Western Australia 16(1):19
Spring Creek mine, Wilmington, South Australia 2(2):61f, 62
Tong Lou Shang mine, Guichi, Anhui Province, China 11(1):38W
Triako Eastern pit, Mineral Hill field, New South Wales 11(2):107,108f
Tsumeb, Namibia 1(1):34W
Vergenoeg fluorite mine, Rust-de-Winter district, South Africa 11(1):41fW
Whim Creek mine, Western Australia 4(1):18
Woodlawn mine, New South Wales 21(1):51f

Babingtonite

Paddys River Valley, Australian Capital Territory 22(1):34, 34f

Baileychlore

Red Dome mine, Chillagoe, Queensland 6(2):109

Bamfordite

Bamford Hill, Queensland 6(2):108f, 109

Bannisterite

12 level, Zinc Corporation mine, Broken Hill 15:63f

Barbertonite

Nevada Creek, Dundas, Tasmania 12(2):105

Bariosincosite

Spring Creek mine, Wilmington, South Australia 5(2):56-57f; 6(2):109f; 8(2):82

Barite (baryte)

Almanda mine, Cherry Gardens, South Australia 18(1):54

Block 14 opencut, Broken Hill, New South Wales 3(1):42

Bundoora, Victoria 20(1):30, 31f

Elandsrand gold mine, Witwatersrand, South Africa 4(1):42W

E26 orebody, Northparkes, New South Wales 10(2):54

Girilambone copper deposits, New South Wales 11(2):98

Hunan Province, China 9(1):48W

Inyadda Point, Bendalong, New South Wales 7(2):52-53f

Iodide mine, Mineral Hill field, New South Wales 11(2):108

Iron Monarch mine, South Australia 24(2):46

Jinkouhe Shan, Sichuan Province, China 9(1):5f

Kintore opencut, Broken Hill, New South Wales 3(1):42

La Barre mine, near Pontgibaud, Puy-de-Dôme, France 3(2):129W

Manuka Zn-Pb-Ag deposits, Cobar Basin, New South Wales 18(2):10, 20f

Meikle mine, Eureka County, Nevada, USA 2(2):78W

Moculta quarry, Angaston, South Australia 17(1):28, 29f

Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 24

Mt Cobalt, Queensland 1(2):19
Mount Lyell mines, Tasmania 21(2):21, 21f, 22f, 30f
Mt Isa, Queensland 2(2):76W; 9(2):97f
Morocco 6(2):73f
Mt Malvern mine near Clarendon, South Australia 5(1):6
N'Chwaning II mine, Kalahari, South Africa 2(2):79,80fW; 7(1):41W
Nifty copper mine, Western Australia 8(2):48,49f
Northampton, Western Australia 18(1):40, 41f
Northparkes, New South Wales 4(1):7
No.2 workings, Mt Painter, South Australia 9(1):24,25f
Paddys River Valley, Australian Capital Territory 22(1):38, 34f,
Parkside mine, Cumberland, England 6(2):81f
Peak Hill gold mine, New South Wales 15:48-50f
Prince Lyell mine, Mt Lyell, Queenstown, Tasmania 7(2):82W
Roota mine, Cavnic, Maramures, Romania 3(2):130W
Rosh Pinah mine, Namibia 4(1):42W
Rossignol vein, Chaillac, France 3(2):129W
Roxby Downs, South Australia 2(1):40f, 41W
Shangri La mine, Kimberley, Western Australia 16(1):19
Spring Creek mine, Wilmington, South Australia 2(2):62f
Strontian, Argyllshire, Scotland 16(1):11f
Sydney area, New South Wales 8(1):39
Telfer gold mine, Western Australia 12(1):30
Temma, Tasmania 18(2):54W
Twin Trees mine, Humboldt County, Nevada, USA 2(2):78W
Vatukoula gold mines, Viti Levu, Fiji 7(2):70-71
Whitianga, Coromandel Peninsula, New Zealand 8(1):41W
Woodlawn mine, New South Wales 21(1):52f
Zaire 2(1):32W
Zinc Corporation mine, Broken Hill, New South Wales 3(1):20f

Bariopharmacosiderite
Sunny Corner, New South Wales 17(1):48, 48f, 50

Barium-pharmacosiderite
Elsmore, New South Wales 8(2):57f, 58
Mt Malvern mine near Clarendon, South Australia 5(1):6f, 7

Barlowite
Great Australia mine, Cloncurry, Queensland 16(1):47W; 21(2):38

Barringtonite
Rainbow Falls, Barrington Tops, New South Wales 6(2):109

Basaluminite
Coimadai antimony mine, near Bacchus Marsh, Victoria 8(1):35, 36f, 37XRD
Dilwyn Bay, western Victoria 8(1):35-38f

Bassanite
Kimba, South Australia 9(1):48fW

Bastnäsite
Trimouns quarry, Luzenac, France 3(2):128f, 129W; 6(2):88f

Bastnäsite-(Ce)
Kintore opencut, Broken Hill, New South Wales 3(1):35, 37f
Mount Lyell mines, Tasmania 21(2):30f
Paratoo mine, South Australia 9(1):47W

Baumoite
Radium Hill uranium mine, Olary Province, South Australia 21(2):38, 38f

Bavenite
Kara mine, Tasmania 4(1):40W; 7(1):37W
Londonderry, Western Australia 3(2):95-96f

Bayldonite
Bali Lo prospect, Ashburton Downs, Western Australia 13(1):37f

Block 14 opencut, Broken Hill, New South Wales 3(1):55
Day Dream mine, Silverton, New South Wales 3(2):106, 108f
Kintore opencut, Broken Hill, New South Wales 3(1):55, 60f, 65f
Mt Malvern mine near Clarendon, South Australia 5(1):7f, 8
New Cobar mine, Cobar, New South Wales 11(2):79f
Penberthy Croft mine, England 1(1):30W

Beaverite

Iodide mine, Mineral Hill field, New South Wales 11(2):108
Shangri La mine, Kimberley, Western Australia 16(1):19SEM
Triako Eastern pit, Mineral Hill field, New South Wales 11(2)
Whim Creek mine, Western Australia 4(1):18,19f

Beaverite-(Cu)

Almanda mine, Cherry Gardens, South Australia 18(1):55
Northampton, Western Australia 18(1):40
Penny West gold mine, Youanmi, Western Australia 18(1):27

Bechererite

Broken Hill, New South Wales 3(1):79

Bementite

Paddys River Valley, Australian Capital Territory 22(1):34, 34f

'Bellite'

Magnet mine, Tasmania 1(1):9

Beraunite

Block 14 opencut, Broken Hill, New South Wales 3(1):45-46,48f
Hagendorf Süd pegmatite, Bavaria 19(1):12
Kintore opencut, Broken Hill, New South Wales 3(1):45-46
Lavers Hill quarry, Fish Creek, Victoria 2(2):77afW
Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W; 4(1):40fW; 5(2):87W
Silver Coin mine, Humboldt County, Nevada, USA 2(2):78W
Spring Creek mine, Wilmington, South Australia 2(2):61f, 62

Beresovite

Magnet mine, Tasmania 1(1):9

Berlinite

Fairview deposit, South Australia 17(1):10f, 12

Beraunite

Rixons Sandstone quarries, near Campbells Creek, Victoria 17(2):93
Klemm's quarry, Moculta, South Australia 17(1):10f, 12, 12f

Bermanite

Iron Monarch, South Australia 6(1):10

Bernalite

Broken Hill, New South Wales 3(1):74f
Proprietary mine, Broken Hill, New South Wales 1(2):5f; 6(2):109f

Berthierite

Inglewood, Victoria 17(2):88, 89f
Nullamanna, near Inverell, New South Wales 4(2):92

Bertrandite

Cleveland mine, Luina, Tasmania 2(1):39W
Giles Pegmatite, Spargoville, Western Australia 18(2)42, 42f, 43XRD

Beryl

Bismuth, Torrington, New South Wales 4(2):83f
Coolgardie pegmatite field, Western Australia 3(2):96
Cope's Creek, New South Wales 4(2):118
Emmaville area, New South Wales 4(2):118
Erongo Mountains, Namibia 13(1):48-49f
Heffernan's wolfram mine, Torrington, New South Wales 4(2):118, 120f
Giles Pegmatite, Spargoville, Western Australia 18(2):40
Sayers mine, Moina, Tasmania 10(2):80W
Tabba Tabba pegmatite, Western Australia 20(2):40

Tingha, New South Wales 4(2):118
Tom's quarry, Kapunda, South Australia 17(1):28
Torrington area, New South Wales 4(2):118; 5(2):87-88fW
Triple Chance mine, Broken Hill district, New South Wales 9(2):97f

Beryl variety aquamarine
Brazil 6(2):56f
Erongo Mountain, Namibia 7(1):40-41Fw; 11(1):41W
Mount Crawford, Williamstown, South Australia 17(2):79f
Sumire, Hunza, Pakistan 1(2):29f, W; 6(2):89f; 11(1):5f

Beryl variety emerald
Emerald Mine, Emmaville, New South Wales 4(2):118
Emmaville area, New South Wales 4(2):120f
Fielders Hill, near Torrington, New South Wales 4(2):117f, 118
Nigeria 21(1):49f
Poona 22(2):35f
Reward opencut, Poona, Western Australia 2(1):41W

Beryl variety morganite
Alto Ligonha, Mozambique 1(2):31W

Berzelianite
Mount Lyell mines, Tasmania 21(2):30f

Betpakdalite-FeFe
Elsmore, New South Wales 7(1):15,16f, 17; 8(2):56
Mount Moliagul, Victoria 18(2):54W, 54f; 21(1):41, 42f; 21(2):39, 39f
Pine Mountain mine, Brungle, New South Wales 13(2):96

Beudantite
Braeside lead field, Pilbara, Western Australia 13(2):58
Endeavour mine, Elura, New South Wales 11(2):90f
Iodide mine, Mineral Hill field, New South Wales 11(2):109
Kintore opencut, Broken Hill, New South Wales 3(1):60-61f, 62, 63f, 65f
Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W
Shangri La mine, Kimberley, Western Australia 16(1):20
Telfer gold mine, Western Australia 12(1):30

Beudantite/segnitite
Mt Malvern mine near Clarendon, South Australia 5(1):8f, 9, 10f
Sunny Corner, New South Wales 17(1):47, 47f, 48, 48f, 50

Beyerite
Alone Hand mine, Duck Creek, Cloncurry, Queensland 3(2):125W; 4(1):9-11af
Iron Monarch, South Australia 6(1):10

Bianchite
Paddys River Valley, Australian Capital Territory 22(1):43, 34f
Peelwood mine, Peelwood, New South Wales 13(1):42-43XRD

Billietite
No.2 workings, Mt Painter, South Australia 9(1):24,25f

Bimbowrieite
White Rock Number 2 quarry, Bimbowrie Conservation Park, South Australia 21(2):39, 39f

Bindheimite
Block Nine mine, Mineral Hill field, New South Wales 11(2):109f
Day Dream mine, Silverton, New South Wales 3(2):106
Iodide mine, Mineral Hill field, New South Wales 11(2):114f
Kintore opencut, Broken Hill, New South Wales 3(1):31
Magnet mine, Tasmania 1(1):9; 2(1):41
Northampton, Western Australia 18(1):42
Shangri La mine, Kimberley, Western Australia 16(1):18-20f
Tewinga lode, Nambucca, New South Wales 4(2):114

Biotite
Mount Lyell mines, Tasmania 21(2):30f
Temma, Tasmania 18(2):54W

Biphosphammite

Murra-el-elevyn Cave, Eucla, Nullarbor Plain, Western Australia 6(2):110

Birchite

Block 14 opencut, Broken Hill, New South Wales 14(2):62W; 21(2):40, 40f

Bismite

Elsmore, New South Wales 7(1):15; 8(2):56

Bismite/Bismutite

Blue Hill quarry, Oberon, New South Wales 10(2):48

Bismoclite

Iron Monarch, South Australia 6(1):12

Leinster, Western Australia 8(2):83-85fXRD

Bismuth

Almanda mine, Cherry Gardens, South Australia 18(1):55, 55f

Bismuth, Torrington, New South Wales 4(2):83f

Kingsgate, New South Wales 4(2):83-84

Maldon, Victoria 15:32a, 33f

Mulga Springs, Broken Hill district, New South Wales 4(1):37

No. 3 Pipe, Maurer's Claim, Kingsgate, New South Wales 13(2):87f

Sachs mine, Kingsgate, New South Wales 4(2):82f

Wolfram pipe, Kingsgate, New South Wales 14(1):19-21f

Bismuthinite

4(2):83f

Almanda mine, Cherry Gardens, South Australia 18(1):55, 55f

Alone Hand mine, Duck Creek, Cloncurry, Queensland 4(1):9-10f

Blue Hill quarry, Oberon, New South Wales 10(2):48

Kingsgate, New South Wales 4(2):84; 5(2):87fW

Maldon, Victoria 15:34a, 35f

Princess mine, Moina, Tasmania 10(2):80W

Shepherd and Murphy mine, Tasmania 5(1):48W

Wolfram pipe, Kingsgate, New South Wales 14(1):20-21f

Bismutite

Barbara mine, Coolgardie, Western Australia 14(2):56

Elsmore, New South Wales 8(2):56

Fielders Hill, New South Wales 4(2):85

Iron Monarch, South Australia 6(1):12

Bismutostibiconite

Elsmore, New South Wales 8(2):56

Bityite

Londonderry, Western Australia 3(2):96

Bleasdaleite

Lake Boga, Victoria 5(2):69-75af; 6(2):109f, 110

Bojarite

Pabellón de Pica, Iquique Province, Tarapacá Region 22(2):45, 45f

Boléite

Day Dream mine, Silverton, New South Wales 3(2):106, 108f

Kintore opencut, Broken Hill, New South Wales 3(1):34

Boltwoodite

Khan River Valley, Namibia 2(2):79W; 3(2):127, 128fW

Langer Heinrich Uranium Prospect, Namib Desert, Namibia 5(2):91W

New Method mine, San Bernadino County, California 21(1):50f

No.2 workings, Mt Painter, South Australia 9(1):24

Boothite?

Mount Lyell mines, Tasmania 21(2):21, 30f

Boracite

Boulby Mine, Loftus, Cleveland, England 1(1):31f, W

Bornite

Cattle Grid deposit, Mount Gunson, South Australia 16(2):66f, 62f

Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):19, 18f
Mount Lyell mines, Tasmania 21(2):21, 30f
Olympic Dam, South Australia 18(2):56W, 57, 57f
Paddys River Valley, Australian Capital Territory 22(1):36, 34f, 36f, 37f,
Wallaroo mines, Kadina, South Australia 20(1):25f

Bournonite

Mount Lyell mines, Tasmania 21(2):30f

Boromullite

Mount Stafford, 170 km north-west of Alice Springs, Northern Territory 16(1):47W; 21(2):41

Botallackite

Cams mine, Lake Miranda, Western Australia 20(1):54

Couta Mine, near Temma, Tasmania 5(2):87W

Boulangerite

Magnet mine, Tasmania 1(1):9

Federation Prospect, Cobar Basin, New South Wales 21(2):79

Bracewellite

Iron Monarch, South Australia 6(1):12f

Braggite

Little Darling Creek, Broken Hill district, New South Wales 4(1):35a

Brannerite

Crocker Well, South Australia 14(2):69-71af

Specimen Reef mine, near Savage River, Tasmania 5(1):47W

Braunerite

Svornost mine, Czech Republic 20(1):60f, 61f

Braunite

Woods mine, New South Wales 15:15-18af

Braunite II

Wessels mine, Kalahari, South Africa 2(1):32f, W

Brazilianite

Conselheiro Peno, Minas Gerais, Brazil 2(1):24f

Linopolis City, Minas Gerais, Brazil 1(2):31W

Breithauptite

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):59

Brianyoungite

Cumbria, England 1(1):30W

Pinnacles mine dumps, Broken Hill, New South Wales 5(1):46W; 5(2):87W

Bridgmanite

Tenham chondritic meteorite, Tenham Station, Windorah, Queensland 21(2):40, 40f

Brochantite

Bali Lo prospect, Ashburton Downs, Western Australia 13(1):35f, 37

Block 14 opencut, Broken Hill, New South Wales 3(1):41f, 42, 44f

Broken Hill, New South Wales 3(1):79f

Cliff workings, Red Rock field, Drake Goldfield, NSW 24(2):32f, 33f, 34, 34f-37f, 39f

Colebrook Hill, Tasmania 5(2):87W

Crusader mine, north-west Queensland 8(2):72,73f

Desolation prospect, Mount Isa Block, Queensland 17(2):84

Devons Cut, Braeside lead field, Pilbara, Western Australia 13(2):58

Elsmore, New South Wales 8(2):56

E26 orebody, Northparkes, New South Wales 10(2):54

Great Australia mine, Queensland 1(1):25,26f

Hercules mine, near Rosebery, Tasmania 4(1):40W

Iron Monarch, South Australia 6(1):13

Kintore opencut, Broken Hill, New South Wales 3(1):42f

Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):24, 18f

Mount Lyell mines, Tasmania 21(2):30f

Mt Malvern mine near Clarendon, South Australia 5(1):9

Mt Oxide, Queensland 2(1):5-6f

Murrays Reward mine, Balfour, Tasmania 5(2):87W
Nifty copper mine, Western Australia 8(2):48,49f
Northampton, Western Australia 18(1):42
Orieco mine, Scamander, Tasmania 2(1):40W
Paddys River Valley, Australian Capital Territory 22(1):43, 34f
Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W
Shangri La mine, Kimberley, Western Australia 16(1):20
Silver Coin mine, Humboldt County, Nevada, USA 2(2):78W
Spring Creek mine, Wilmington, South Australia 2(2):61f,62
Telfer gold mine, Western Australia 12(1):30
Triako Eastern pit, Mineral Hill field, New South Wales 11(2):109
Wet Weather quarry, Crestmore, Riverside County, California, USA 4(1):42W
Whim Creek mine, Western Australia 4(1):18

Brokenhillite

Broken Hill, New South Wales 6(2):110

Bromargyrite

Almanda mine, Cherry Gardens, South Australia 18(1):56, 59f
Block Nine mine, Mineral Hill field, New South Wales 11(2):109f, 110
Iodide mine, Mineral Hill field, New South Wales 11(2):109-110
Kintore opencut, Broken Hill, New South Wales 3(1):34
Mt Malvern mine near Clarendon, South Australia 5(1):9

Brucite

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):53f, 60f, 59a
Sylvester mine, Zeehan, Tasmania 7(1):37W
Tumut Serpentinite Province, New South Wales 7(1):6

Bultfonteinite

N'Chwaning II mine, Kalahari manganese field, South Africa 8(1):43W, 11(1):40-41fW
Wessels mine, Kalahari manganese field, South Africa 8(1):42W

Bushmakinite

Penny West gold mine, Youanmi, Western Australia 18(1):27, 28, 28fEDS

Bustamite

Black and White mine, Danglemah, New South Wales 4(2):103
NBHC mine, Broken Hill, New South Wales 3(1):18f
North mine, Broken Hill, New South Wales 16(2): 105f

Buttgenbachite

Great Australia mine, Queensland 1(1):25

Cacoxenite

Tom's, Moculta and St John's quarry, South Australia 17(1):10f, 12-13, 12f, 13f
Spring Creek mine, Wilmington, South Australia 2(2):62
Pwll Du beach, near Swansea, Wales 11(1):22f

Cadmian serpierite

17(2): 68a

Calaverite

The Golden Mile 18(1):11, 12, 12f
Mount Lyell mines, Tasmania 21(2):30f
North Kalgurli Mine, Kalgoorlie, Western Australia 6(2):96f
Western Australia 24(1):5-11, 22, 23f, 24f,

Calcioferrite

Moculta quarry, South Australia 17(1):10f, 13, 13f

Calcite

Abbotsford and Bundoora, Victoria 20(1):33, 33f, 34f
Allandale, Hunter Valley, New South Wales 18(2):31, 31f-35f
Andreasberg, Harz Region, Germany 16(2):60f
Aranga quarry, Northland, New Zealand 19(2):8
Ardglen, New South Wales 6(1):35
Awatere Valley, New Zealand 8(1):41W
Barbara mine, Coolgardie, Western Australia 14(2):56

Ben Lomond railway cutting, New South Wales 4(2):123
Ben Lomond quarry, New South Wales 4(2):126-127
Bergen Hill, New Jersey, USA 16(1):12f
Biggenden mine, Queensland 9(2):98f
Block 14 opencut, Broken Hill, New South Wales 3(1):36
Boldut mine, Cavnic, Maramures, Romania 3(2):130W
Borambil, New South Wales 2(1):13-14f
Broken Hill, New South Wales 3(1):79; 9(2):99f; 16(2):105f
Bruny ore body, Renison Bell, Tasmania 5(1):47-48fW
Cambokeels mine, Weardale, Durham, England 1(1):30fW
CSA mine, Cobar, New South Wales 3(2):126W; 11(2):74f
Cumberland, England 16(2):61f
Dal'negorsk, Russia 1(2):30W; 9(1):48fW
Day Dream mine, Silverton, New South Wales 3(2):106
Garibaldi mine, Lionsville, New South Wales 4(2):99
Gatton, Queensland 16(1):43f
Getchell mine, Humboldt County, Nevada, USA 2(2):78W
Giblin Street, Hobart, Tasmania 2(1):37f
Goongewa mine, Fitzroy Crossing, Western Australia 2(2):76-77fW; 4(1):41fW; 6(2):99f
Great Australia mine, Cloncurry, Queensland 7(1):36fW
Hohenfels, near Otjiwarongo, Namibia 4(1):42W
Hymix quarry, Kulnura, New South Wales 12(1):45-47f
Iron Monarch, South Australia 2(1):22f
Jenolan Caves, New South Wales 5(1):47W
Joplin, Missouri, USA 17(2):80f
Kara mine, Tasmania 7(1):37W
Khan River Valley, Namibia 3(2):128fW
King Solomon's Cave, Mole Creek Karst Area, Tasmania 12(2):98f
Kintore opencut, Broken Hill, New South Wales 3(1):36
Krui Valley, Merriwa, New South Wales 8(2):63A
Lake Cooper quarry, Corop, Victoria 11(1):31f
Lucknow, near Orange, New South Wales 6(1):28-29f
Luina, Tasmania 2(1):39f, W
Magnet mine, Tasmania 1(1):9
Marawah, Tasmania 10(2):66f
Meikle mine, Eureka County, Nevada, USA 2(2):78W
Mt Elliott mine, Selwyn, Queensland 3(2):126W; 7(2):81fW
Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):23, 18f, 24f
Mount Lyell mines, Tasmania 21(2):22,30f
Mount Moliagul, Victoria 21(1):41
N'Chwaning II mine, Kalahari, South Africa 2(2):79,80fW; 7(1):40-41fW; 9(1):49W; 11(1):40-41fW;
14(1):46f
New Method mine, San Bernadino County, California 21(1):50f
Paddys River Valley, Australian Capital Territory 22(1):38, 34f, 39f
Pheasant Creek road-cutting, Barrington Tops, New South Wales 8(1):6
Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W
Pont-à-Nôle quarry, Mont-sur-Marchienne, Hainaut, Belgium 3(2):128f, 129W
Red Dome gold mine, Chillagoe, Queensland 2(1):40fW; 6(1):41fW
Renison Bell, Tasmania 2(1):39W
Rosebery, Tasmania 6(2):73f
Sahyadri Mountains, Bombay, India 16(1):11f
Serbia 7(1):21f
Shangri La mine, Kimberley, Western Australia 16(1):20
Swan Vale, New South Wales 4(2):130
Sydney area, New South Wales 8(1):39
Telfer gold mine, Western Australia 12(1):30-32f
The Vugh, Sand Queen mine, Comet Vale, Western Australia 12(1):18-20f

Tom's quarry, Kapunda, South Australia 17(1):28
Tyndal's quarry, Kyogle, New South Wales 16(1):43ff
Trimouns quarry, Luzenac, France 3(2):128fW
Vatukoula gold mines, Viti Levu, Fiji 7(2):70
Wave Hill area, Northern Territory 9(2):74
Wessels mine, Kalahari, South Africa 2(1):32W
Whim Creek mine, Western Australia 4(1):18
Willy Wally Gully near Merriwa, New South Wales 16(2):80, 81, 85XRD
Xiang Hau Ling, Chengzhou, Hunan Province, China 11(1):38-39fW
Wallaroo mines, Kadina, South Australia 17(2):65, 65f
12 level, Zinc Corporation mine, Broken Hill 15:63f

Calcite, *manganoan*

Broken Hill, New South Wales 6(2):85f; 14(1):1f; 16(2):103f, 104f

Caledonite

Broken Hill, New South Wales 3(1):79f

Devons Cut, Braeside lead field, Pilbara, Western Australia 13(2):58,60f

Silver Coin mine, Humboldt County, Nevada, USA 2(2):78W

Calomel

Clear Creek claim, New Idria, San Benito County, California, USA 3(2):131W

'Cannizzarite'

Wolfram pipe, Kingsgate, New South Wales 14(1):20

Carbonate-cyanotrichite

Wedding Cave mine, Minera, Wales 1(1):31W

Carbonate-fluorapatite

Moculta quarry, South Australia 17(1):13-14

Parwan, Victoria 13(1):27f

Snowstorm mine, Battle Mountain, Nevada, USA 2(2):78W

Twin Trees mine, Humboldt County, Nevada, USA 2(2):78W

Carbonate hydroxy fluorapatite

Parwan, Victoria 13(1):27f

Cardite

Block 14 open cut, Broken Hill, New South Wales 21(2):41, 41f

Carlsbergite

Arizona, USA 1(2):31W

Carmeltazite

Mount Carmel, Haifa District, Israel 22(2):44, 44f

Carminite

Kintore opencut, Broken Hill, New South Wales 3(1):55f, 58f, 61f, 65f; 11(1):14f

Magnet mine, Tasmania 1(1):9d

Mt Malvern mine near Clarendon, South Australia 5(1):9,10f

Penberthy Croft Mine, Cornwall, England 1(1):30W

Pinnacles mine dumps, Broken Hill, New South Wales 4(1):40fW

Carnotite

Dome Rock, South Australia 5(2):87W

Mt Painter, South Australia 9(1):29d

Carrboydite

Carr Boyd mine, Goongarrie, Western Australia 6(2):110, 112f

Carrollite

Mashamba West mine, Congo 9(2):99f

Kanyo South II mine, Katanga 17(2):59f

Caryopilite

N'Chwaning II mine, Kalahari, South Africa 2(1):32fW

Cassidyite

Wolf Creek Meteorite – Wolf Creek Crater, Western Australia 6(2):128

Cassiterite

Aberfoyle tin mine, Gladstone, Tasmania 6(2):74f

Anchor mine, Lottah, Tasmania 2(1):40W

Barbara mine, Coolgardie, Western Australia 14(2):56
Cath-Ida mine, The Gulf, Emmaville, New South Wales 5(1):46fW
Champion Hill, Elmore, New South Wales 6(1):42W
Doctors Gully, Emmaville, New South Wales 4(2):69f
Dutchman lode, Torrington, New South Wales 4(2):74f
Elmore, New South Wales 4(2):70-71f,74-75f; 7(2):84fW; 9(2):98f
The Gulf, Emmaville, New South Wales 4(2):71f,75f
Mt Bischoff, Tasmania 6(2):77f
New England region, New South Wales 4(2):69-73f
Newstead, New South Wales 4(2):70f
Robbies workings, Balfour, Tasmania 7(1):36W
Royal George mine, Tingha, New South Wales 4(2):72f
Sayers mine, Moina, Tasmania 10(2):80W
Sunny Corner, New South Wales 17(1):46, 47, 47f
Tingha, New South Wales 4(2):70f
Vegetable Creek, Emmaville, New South Wales 4(2):74f
Webb's silver mine. Emmaville, New South Wales 4(2):73f

Cavansite

Aranga quarry Northland, New Zealand 19(2):8, 10; 21(1):57f
Poona, India 6(2):89f
Wagoli, Poona, India 1(2):30W

Celestine

Ediacara, Flinders Ranges, South Australia 4(1):40W
Iron Monarch, South Australia 6(1):13
N'Chwaning II mine, Kalahari manganese field, South Africa 7(1):40-41fW; 8(1):43W

Cerianite-(Ce)

Elmore, New South Wales 8(2):56f

Cerussite

Adelaide mine, Dundas, Tasmania 2(1):39W; 12(2):68f,79-80,94,99f
Andersons mine, Dundas, Tasmania 12(2):94
Black Star opencut, Mt Isa, Queensland 11(1):38fW
Blackwood opencut, Broken Hill, New South Wales 3(1):17f
Block Nine mine, Mineral Hill field, New South Wales 11(2):111f
Block 14 opencut, Broken Hill, New South Wales 3(1):37; 5(1):46fW
Braeside lead field, Pilbara, Western Australia 13(2):58-60f
Broken Hill, New South Wales 3(1):12-15f, 20f, 79f; 6(2):63f; 7(1):20,21f; 11(1):6f; 16(2):58f, 59f, 103f, 104f; 17(2):78f; 20(1):25f; 21(1):63f; 24(1):24f,
Cave Hill quarry, Lilydale, Victoria 13(2):76f, 78f
Cliff workings, Red Rock field, Drake Goldfield, NSW 24(2):32f, 33f, 35, 35f, 40f
Comet mine, Dundas, Tasmania 12(2):69-70f, 94
CSA mine, Cobar, New South Wales 11(2):76f
Day Dream mine, Silverton, New South Wales 3(2):106, 107-108f
Dundas, Tasmania 6(2):72f, 76f, 78f
Dundas Extended Mine, Dundas, Tasmania 2(2):76,77f, W; 12(2):70-71f, 79-80, 94, 97f
Endeavour mine, Elura, New South Wales 11(2):88-89f
Heazlewood mine, Tasmania 12(2):80
Hercules Mine, near Rosebery, Tasmania 4(1):40W; 5(1):47W; 12(2):94
Iodide mine, Mineral Hill field, New South Wales 11(2):107f, 110f, 111
Iron Monarch, South Australia 6(1):13
Kapi mine, Dundas, Tasmania 12(2):73f, 79-80, 81f, 94
Kintore opencut, Broken Hill, New South Wales 3(1):37-38f, 40f
Maestries mine, Dundas. Tasmania 12(2):94
Magnet mine, Tasmania 1(1):10-11f; 6(2):73f, 0f; 12(2):94,95f; 21(1):54f
May Day mine, Gilgunnia, New South Wales 11(2):119f, 120
Morocco 6(2):73f
Mount Lyell mines, Tasmania 21(2):22, 30f
Mt Malvern mine, Adelaide Hills, South Australia 4(1):40W; 5(1):9

Mt Stewart mine, Leadville, New South Wales 5(1):33
Overflow mine, Bobadah, New South Wales 11(2):118-120f
Northampton, Western Australia 18(1):42, 42f
Penny West gold mine, Youanmi, Western Australia 18(1):28, 29f
Pentireglaze Mine, Cornwall, England 1(1):30W
Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W
Platt's Prospect, Dundas, Tasmania 12(2):94
Proprietary Block 14 mine, Broken Hill, New South Wales 6(2):53f
Proprietary mine, Broken Hill, New South Wales 6(2):52f
Red Lead mine, Dundas, Tasmania 12(2):80
Red Terror mine, Mineral Hill field, New South Wales 11(2):111
Rossignol vein, Chaillac, France 3(2):129W
Shangri La mine, Kimberley, Western Australia 16(1):18-19f, 20, 23f
Silent Grove, Torrington, New South Wales 4(2):113f
Triako Eastern pit, Mineral Hill field, New South Wales 11(2):111
Tsumeb, Namibia 9(2):100f; 16(1):42f
Wellingrove mine, near Inverell, New South Wales 4(2):113
West Comet mine, Dundas, Tasmania 10(2):80W; 12(2):79-80,95f
Whyte River mine, Tasmania 12(2):80
Woodlawn mine, New South Wales 21(1):51f

Cervantite

Comet mine, Dundas, Tasmania 12(2):80d
Damifino mine, Hillgrove, New South Wales 4(2):112f
Lunatic goldfield, Drake, New South Wales 6(1):42W
Magnet mine, Tasmania 1(1):12
Taylor's Arm, New South Wales 4(2):92
Wild Cattle Creek mine, near Dorrigo, New South Wales 4(2):112

Chabazite series see also *Gmelinite/chabazite*

Addisons Creek, near Gads Hill, Tasmania 10(2):68f
Aranga quarry, Hood Road, Aranga, New Zealand 3(2):127W, 19(2):8
Awatere Valley, New Zealand 8(1):41W
Bell Mount, Middlesex, Tasmania 10(2):63,64f
Ben Lomond railway cutting, New South Wales 4(2):123, 124f
Ben Lomond quarry, New South Wales 4(2):127-128
Borambil, New South Wales 2(1):13-18f, 20a; 7(2):57f
Daylesford, Victoria 1(2):13
Gads Hill, Tasmania 10(2):63,64f
Glen Innes, New South Wales 4(2):130
Guildford, Tasmania 10(2):63
Hellyer River, Tasmania 10(2):63
Maggs Mountain, Tasmania 10(2):63
Middlesex, Tasmania 10(2):63
Moonen Bay, Skye, Scotland 1(1):31W
Reidy's shaft, Emmaville, New South Wales 4(2):129f-130
Ridgley, Tasmania 10(2):63
River Bluff, MacIntyre River, Inverell, New South Wales 4(2):130
Sheffield, Tasmania 10(2):63
Table Cape, Tasmania 10(2):63
Upper Hunter Valley, New South Wales 21(2):5
Waipoua, New Zealand 5(1):44f, 45
Waitakere Ranges, North Island, New Zealand 19(2):15
Waratah, Tasmania 10(2):63

Chabazite-Ca

Ardglen, New South Wales 6(1):35f, 36, 39a
Gads Hill, Tasmania 10(2):63a
Hellyer River, Tasmania 10(2):63a
Krui Valley, Merriwa, New South Wales 8(2):62a, 64f, 67-70f

Middlesex Plains, Tasmania 10(2):63a
Pheasant Creek road-cutting, Barrington Tops, New South Wales 8(1):6,7a
Rollinsons quarry, near Malmsbury, Victoria 16(2):99
Sheffield, Tasmania 10(2):63a
Trial Harbour, Tasmania 10(2):63
Willy Wally Gully near Merriwa, New South Wales 16(2):81, 81f

Chabazite-Na

Abbotsford and Bundoora, Victoria 20(1):35f, 36f, 38, 38f, 39f, 40f, 41f
Ardglen, New South Wales 6(1):36-39af

Chabazite-Na?

Gads Hill, Tasmania 10(2):65
Guildford, Tasmania 10(2):65

Chabazite/offretite

Waipoua, New Zealand 5(1):44-45f

Chacophanite

Sunny Corner, New South Wales 17(1):48

Chalcanthite

Block 14 opencut, Broken Hill, New South Wales 3(1):42
Girilambone copper deposits, New South Wales 11(2):94
Kintore opencut, Broken Hill, New South Wales 3(1):42
Mount Lyell mines, Tasmania 21(2):22, 30f
Paddys River Valley, Australian Capital Territory 22(1):43, 34f
Spring Creek mine, Wilmington, South Australia 2(2): 61f, 62
Sunny Corner, New South Wales 17(1):49, 49f, 50
Teutonic Bore, Western Australia 2(1):26
Whim Creek mine, Western Australia 4(1):19

Chalcoalumite

Mt Oxide, Queensland 2(1):6f
Orieco Mine, Scamander, Tasmania 2(1):40W

Chalcocite

Braeside lead field, Pilbara, Western Australia 13(2):58SEM
Cattle Grid deposit, Mount Gunson, South Australia 16(2): 61, 61f
Girilambone copper deposits, New South Wales 11(2):94f, 95
Gunpowder mine, north of Mt Isa, Queensland 11(1):38fW
Mt Elliott Mine, Selwyn, Queensland 7(2):81,82fW
Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):19, 18f,
Mount Lyell mines, Tasmania 21(2):22, 30f
Mt Oxide, Queensland 2(1):6
New Cobar mine, Cobar, New South Wales 11(2):77
Nifty copper mine, Western Australia 8(2):48
Northampton, Western Australia 18(1):42
Northparkes, New South Wales 4(1):7
Orieco Mine, Scamander, Tasmania 2(1):40W
Paddys River Valley, Australian Capital Territory 22(1):36, 34f,
Parkers Hill, Mineral Hill field, New South Wales 11(2):111
Penny West gold mine, Youanmi, Western Australia 18(1):28
Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W
Sandy Flat pipe, Redbank, Northern Territory 6(1):6
Shangri La mine, Kimberley, Western Australia 16(1):20
Spring Creek mine, Wilmington, South Australia 2(2):62
Telfer, Western Australia 7(1):1f, 36-37fW; 12(1):30-34f
Triako Eastern pit, Mineral Hill field, New South Wales 11(2):111f

Chalcophanite

Adelaide mine, Dundas, Tasmania 12(2):80
Block 14 opencut, Broken Hill, New South Wales 3(1):31
Kintore opencut, Broken Hill, New South Wales 3(1):31,34f
Magnet mine, Tasmania 1(1):12; 12(2):80

Mt Malvern mine near Clarendon, South Australia 5(1):9,10f
Mt Stewart mine, Leadville, New South Wales 1(2):9-11af; 5(1):33,36f
Platt's Prospect, Dundas, Tasmania 12(2):80
Red Lead mine, Dundas, Tasmania 12(2):80
West Comet mine, Dundas, Tasmania 10(2):80W

Chalcophyllite

South Tolcarne mine, Camborne, Cornwall, England 11(1):17f

Chalcopyrite

Almanda mine, Cherry Gardens, South Australia 18(1):55f, 56, 56f, 57f, 58f
CSA mine, Cobar, New South Wales 11(2):74f
Emperor mine, Vatukoula, Viti Levu, Fiji 7(2):66
Goanna Patch alluvial mining area, Western Australia 15:58
Horseshoe deposit, Duck Creek area, Queensland 3(2):125W
Inglewood, Victoria 17(2):89
Jamieson mercury deposit, Victoria 9(1):36
Lucknow, near Orange, New South Wales 6(1):30
Magnet mine, Tasmania 1(1):12
Manuka Zn-Pb-Ag deposits, Cobar Basin, New South Wales 18(2):10, 20f
Moonta Mines, Moonta, South Australia 6(2):68f; 16(2):57f
Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):20, 18f, 20f
Mount Lyell mines, Tasmania 21(2):22, 23f, 29f, 30f
Mt Malvern mine near Clarendon, South Australia 5(1):9
Mount Moliagul, Victoria 21(1):42
New Dollar deposit, Duck Creek area, Queensland 3(2):125W
Northampton, Western Australia 18(1):43
Paddys River Valley, Australian Capital Territory 22(1):36, 34f, 36f, 37f, 38f
Penny West gold mine, Youanmi, Western Australia 18(1):27
Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W
Prince Lyell Mine, Mt Lyell, Queenstown, Tasmania 7(2):82,83fW
Sandy Flat pipe, Redbank, Northern Territory 6(1):5f
Spring Creek mine, Wilmington, South Australia 2(2):62
Sunny Corner, New South Wales 17(1):46
The Vugh, Sand Queen mine, Comet Vale, Western Australia 12(1):18-19f
Tumut Serpentinite Province, New South Wales 7(1):6,9a
Walleroo mines, Kadina, South Australia 6(2):65f; 17(2); 79f

Chalcosiderite

Girilambone copper deposits, New South Wales 11(2):95f
Kintore opencut, Broken Hill, New South Wales 3(1):46, 48-49f
Moculta quarry, South Australia 17(1):10f, 14
Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):23, 18f
Mt Oxide, Queensland 2(1):6f, 10a
Peryhumuck mine, Olary Block, South Australia 3(2):115, 117f, 118a
Spring Creek mine, Wilmington, South Australia 2(2):61f, 62

Chalcostibite

Saint Pons, Haute Provence, France 1(2):31W

Chalcotrichite

Villecun, France 21(1):58f

Chamosite

Mount Lyell mines, Tasmania 21(2):23, 30f
Paddys River Valley, Australian Capital Territory 22(1):34, 34f
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Chanabayaite

Mount Pabellón de Pica, Iquique Province, Tarapacá Region, Chile 22(2):42, 42f

Chenevixite

Bali Lo prospect, Ashburton Downs, Western Australia 13(1):35-36f
Desolation prospect, Mount Isa Block, Queensland 17(2):84
New Cobar mine, Cobar, New South Wales 11(2):79

Nifty copper mine, Western Australia 8(2):49

Chenite

Leadhills-Wanlockhead Area, Scotland 1(1):31W

Childrenite

Moculta quarry, South Australia 17(1):10f, 14, 14f

“Chillagite”

Christmas Gift mine, Chillagoe, Queensland 7(1):39

Chlorargyrite

Adelaide mine, Dundas, Tasmania 12(2):80

Almanda mine, Cherry Gardens, South Australia 18(1):56

Block 14 opencut, Broken Hill, New South Wales 3(1):34,36f

Boorook mines, near Drake, New South Wales 4(2):114

Castlereagh mine, Inverell, New South Wales 4(2):114

Cliff workings, Red Rock field, Drake Goldfield, NSW 24(2):33f, 35, 35f, 48f

Day Dream mine, Silverton, New South Wales 3(2):107, 108-109f

Ediacara, Flinders Ranges, South Australia 4(1):40W

Elizabeth Hills mine, Dampier, Western Australia 6(1):42W

Endeavour mine, Elura, New South Wales 11(2):87f

Iron Monarch mine, South Australia 24(2):48f

Kintore opencut, Broken Hill, New South Wales 3(1):34

Magnet mine, Tasmania 1(1):12

Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):24, 18f

Mt Malvern mine near Clarendon, South Australia 5(1):9f

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W

Ruby silver mine, near Armidale, New South Wales 4(2):113

Snowstorm mine, Battle Mountain, Nevada, USA 2(2):78W

Tewinga lode, Nambucca, New South Wales 4(2):114

Chlorargyrite, bromian

Block Nine mine, Mineral Hill field, New South Wales 11(2):109f

Broken Hill, New South Wales 3(1):13f

Iodide mine, Mineral Hill field, New South Wales 11(2):109f

Kintore opencut, Broken Hill, New South Wales 3(1):36f

Kintore Shaft dumps, Broken Hill, New South Wales 7(1):36-37f

Chlorargyrite?

West Comet mine, Dundas, Tasmania 10(2):80W

Chlorite

Mt Lyell, Tasmania 2(1):39W

Paddys River Valley, Australian Capital Territory 22(1):34, 34f

CSA mine, Cobar, New South Wales 11(2):73f

Chromite

Bingara, New South Wales 4(2):98

Mt Lightning Adit deposit, Coolac Serpentinite Belt, New South Wales 7(1):7a, 10f

Mount Lyell mines, Tasmania 21(2):30f

Tumut Serpentinite Province, New South Wales 7(1):6, 7a, 8

Chrysoberyl

Fazenda Santa Isabel, Pancas, Espirito Santo, Brazil 1(2):31W

Chrysocolla

Bali Lo prospect, Ashburton Downs, Western Australia 13(1):37

Block Nine mine, Mineral Hill field, New South Wales 11(2):111f

Block 14 opencut, Broken Hill, New South Wales 3(1):36f

Braeside lead field, Pilbara, Western Australia 13(2):58

Cliff workings, Red Rock field, Drake Goldfield, NSW 24(2):33f, 34f, 34, 35f, 39f

Crusader mine, north-west Queensland 8(2):72

Day Dream mine, Silverton, New South Wales 3(2):107

DeGrussa mine, Western Australia 22(2):36f, 37f

Desolation prospect, Mount Isa Block, Queensland 17(2):85, 85f

Dorothy Mine, Mungana, Queensland 6(2):52f

E26 orebody, Northparkes, New South Wales 10(2):54f
Girilambone copper deposits, New South Wales 11(2):95
Goanna Patch alluvial mining area, Western Australia 15:59
Great Australia mine, Queensland 1(1):25
Horseshoe deposit, Duck Creek area, Queensland 3(2):125W
Iodide mine, Mineral Hill field, New South Wales 11(2):111
Mt Cobalt, Queensland 1(2):19
Mount Glorious mine, Cloncurry, northwest Queensland 23(1):37
Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):21, 18f
New Dollar deposit, Duck Creek area, Queensland 3(2):125W
Nifty copper mine, Western Australia 8(2):49f
Northampton, Western Australia 18(1):43
Northparkes, New South Wales 4(1):5f, 6
Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W
Red Dome gold mine, Chillagoe, Queensland 2(1):41W
Red Terror mine, Mineral Hill field, New South Wales 11(2):111
Sandy Flat pipe, Redbank, Northern Territory 6(1):6
Shangri La mine, Kimberley, Western Australia 16(1):20
Spring Creek mine, Wilmington, South Australia 2(2):62
Starra Mine, Selwyn, Queensland 5(2):84-85f
Telfer gold mine, Western Australia 12(1):29-30f, 35f
Villicun, France 21(1):58f
Whim Creek mine, Western Australia 4(1):18-19f
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Chrysoprase

Blue Speck Creek, Comet Vale 12(1):17f

Chrysotile

Paddys River Valley, Australian Capital Territory 22(1):35, 34f

Tumut Serpentinite Province, New South Wales 7(1):6, 9

Churchite-(Y)

Iron Monarch, South Australia 6(1):13

Cinnabar

Bali Lo prospect, Ashburton Downs, Western Australia 13(1):38f

Clear Creek claim, New Idria, San Benito County, California, USA 3(2):131W

Devons Cut, Braeside lead field, Pilbara, Western Australia 13(2):58

Jamieson mercury deposit, Victoria 9(1):36-37f

Lionsville, New South Wales 4(2):93

Pulganbar area, New South Wales 4(2):94f

Claringbullite

Great Australia mine, Queensland 1(1):25,26f

Clausthalite

Mount Lyell mines, Tasmania 21(2):30f

Clay minerals

Pheasant Creek road-cutting, Barrington Tops, New South Wales 8(1):5f,6

Clioatacamite

E26 orebody, Northparkes, New South Wales 10(2):54

Iron Monarch, South Australia 6(1):17-18

Telfer gold mine, Western Australia 12(1):35

Clinobisvanite

Iron Monarch, South Australia 6(1):13,17f; 24(2):46f

Yinnietharra, Western Australia 6(2):110, 112f

Clinochlore

Allandale, Hunter Valley, New South Wales 18(2):31

Iron Monarch, South Australia 6(1):13

Italy 21(1):64f

Mt Lightning Adit deposit, Coolac Serpentinite Belt, New South Wales 7(1):10f

Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):17, 18f

Mount Lyell mines, Tasmania 21(2):23,30f
Tumut Serpentinite Province, New South Wales 7(1):6, 9

Clinochlore, chromian
Coobina, Pilbara Province, Western Australia 16(1):35-37EDSf
Mt Lightning Adit deposit, Coolac Serpentinite Belt, New South Wales 7(1):10f

Clinoclase
Desolation prospect, Mount Isa Block, Queensland 17(2):85,85f
Mt Cobalt, Queensland 1(2):19,22a
Ting Tang mine, Gwennap, Cornwall, England 3(2):129W

Clinoptilolite
Lake Taupo, New Zealand 19(2):37
Whitianga, Coromandel Peninsula, New Zealand 8(1):41W

Clinosafflorite
Alva, Scotland 1(1):31W

Clinozoisite
Lake Cooper quarry, Corop, Victoria 11(1):31f
Mount Lyell mines, Tasmania 21(2):30f
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Great Australia mine, Cloncurry, Queensland 13(1):1f, 5-13afXRD; 21(2):41,

Columbite-group minerals
Barbara mine, Coolgardie, Western Australia 14(2):56

Cobaltaustinite
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Cobaltite
Mt Cobalt, Queensland 1(2):19
Wallaroo Mines, Kadina, South Australia 6(2):63f

Cobaltite-gersdorffite series
MKD5 nickel deposit, Mt Keith, Western Australia 9(2):60,61f

Coesite
Argyle and Ellendale lamproites, Kimberley Region, Western Australia 24(2):11, 11f, 23f;

Collinsite
Iron Monarch, South Australia 6(1):13-14,17f
Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 24, 25f, 26, 29, 35
Spring Creek mine, Wilmington, South Australia 2(2):62

Coloradoite
The Golden Mile 18(1):11, 12, 13f
North Kalgurli Mine, Kalgoorlie, Western Australia 6(2):96f
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Colquirii Mine, Bolivia 1(2):4

Columbite-tantalite group
Coolgardie pegmatite field, Western Australia 3(2):96-97,99f
Spargoville, Western Australia 22(2):35f

Conichalcite
Desolation prospect, Mount Isa Block, Queensland 17(2):85
Kintore opencut, Broken Hill, New South Wales 3(1):58,60f
Mt Cobalt, Queensland 1(2):19, 20f, 22a
Mt Oxide, Queensland 2(1):6
Pinnacles mine dumps, Broken Hill, New South Wales 5(1):47W

Conichalcite?
Day Dream mine, Silverton, New South Wales 3(2):107

Connellite
B Tangye lode, Great Australia mine, Cloncurry, Queensland 9(1):40f
Block 14 opencut, Broken Hill, New South Wales 3(1):42,44f

Broken Hill, New South Wales 3(1):79f
Couta mine, near Temma, Tasmania 5(2):87W
Great Australia mine, Queensland 1(1):25,26f
Kintore opencut, Broken Hill, New South Wales 3(1):42
Massa Marittima, Italy 21(1):66f
Mt Isa, Queensland 7(1):36W
Mt Malvern mine near Clarendon, South Australia 5(1):9
New Cliffe Hill quarry, Leicestershire, England 11(1):21f
Spring Creek mine, Wilmington, South Australia 2(2):61f, 62-63
Ting Tang mine, Gwennap, Cornwall, England 3(2):129W

Connellite-buttenbachite

B Tangye lode, Great Australia mine, Cloncurry, Queensland 9(1):40f
“Conradite”
Webbs silver mine, Emmaville, New South Wales 4(2):75

Coombsite

Watsons Beach, southeast Otago 19(2):30

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Teutonic Bore, Western Australia 2(1):26
Paddys River Valley, Australian Capital Territory 22(1):43, 34f
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Copper

Aranga quarry, Hood Road, Aranga, New Zealand 3(2):127W; 19(2):8
BHP mine, Broken Hill, New South Wales 3(1):20f
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Bundoora, Victoria 20(1):42, 42f
Burra Burra mine, South Australia 21(1):23f
CSA mine, Cobar, New South Wales 11(2):76f
DeGrussa mine, Western Australia 22(2):36f
Desolation prospect, Mount Isa Block, Queensland 17(2):85
E26 orebody, Northparkes, New South Wales 10(2):54
Girilambone mine, Nyngan, New South Wales 2(1):41W; 11(2):95f, 96
Great Australia mine, Cloncurry, Queensland 1(1):27; 4(1):40W; 5(2):79f
Great Cobar mine, Cobar, New South Wales 11(2):78f
Hall’s Peak deposit, near Armidale, New South Wales 4(2):113
Iodide mine, Mineral Hill field, New South Wales 11(2):111
Kintore opencut, Broken Hill, New South Wales 3(1):30,45f
Lake Superior, Michigan, USA 17(2):81f
Lake View gold mining lease, Comet Vale, Western Australia 12(1):13
Magpie mine, Queensland 4(1):40W
Mt Cobalt, Queensland 1(2):19
Mt Elliott mine, Selwyn, Queensland 7(2):81-82fW
Mt Isa, Queensland 2(2):76fW
Mt Lyell, Queenstown, Tasmania 6(2):76f; 21(2):24, 24f, 30f
Nifty copper mine, Western Australia 8(2):49f, 50
Northampton, Western Australia 18(1):43, 43f, 44f
Northparkes, New South Wales 4(1):7
Orieco mine, Scamander, Tasmania 2(1):40W
Pig and Whistle mine, Drake, New South Wales 4(2):113f
Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W
Red Dome gold mine, Chillagoe, Queensland 2(1):41W
Rocklands mine, Cloncurry, Queensland 18(1):67W
Sandy Flat pipe, Redbank, Northern Territory 6(1):5-6f
Santa Rosalia, Mexico 21(1):47f
Spring Creek mine, Wilmington, South Australia 2(2):61f, 63,64f; 5(2):59
Sunny Corner, New South Wales 17(1):48
Telfer gold mine, Western Australia 12(1):35-36f
Triako Eastern pit, Mineral Hill field, New South Wales 11(2):111-113f

Tumut Serpentinite Province, New South Wales 7(1):6, 8
Wewak mine, Queensland 4(1):40W
Whim Creek mine, Western Australia 4(1):19
Copper in Cobaltian Calcite
Mashamba, Zaire 1(2):31W
Copper-palladium oxides
Round Hill, Broken Hill district, New South Wales 4(1):35f, 36a
Copper sulphides
Shangri La mine, Kimberley, Western Australia 16(1):20SEM
Corkite
Block 14 opencut, Broken Hill, New South Wales 3(1):63
Iodide mine, Mineral Hill field, New South Wales 11(2):111
Kintore opencut, Broken Hill, New South Wales 3(1):63f, 65f
Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W
Red Lead mine, Dundas, Tasmania 12(2):80,84d
Whim Creek mine, Western Australia 4(1):20
Cornetite
Crusader mine, north-west Queensland 8(2):72,73f
Desolation prospect, Mount Isa Block, Queensland 17(2):85
Great Australia mine, Queensland 1(1):25-27f
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Cornubite
Telfer gold mine, Western Australia 12(1):36f
Cornwallite
Kintore opencut, Broken Hill, New South Wales 3(1):60f
Telfer gold mine, Western Australia 12(1):36-37f
Coronadite
Braeside lead field, Pilbara, Western Australia 13(2):58
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Kintore opencut, Broken Hill, New South Wales 3(1):31
MMM Ltd mine, Broken Hill, New South Wales 3(1):19f
Mt Malvern mine near Clarendon, South Australia 5(1):9
Mt Stewart, New South Wales 1(2):10-11f; 5(1):34f, 36f
No.2 workings, Mt Painter, South Australia 9(1):25f
Shangri La mine, Kimberley, Western Australia 16(1):20
Corundum
Harts Range, Northern Territory 7(1):36-37fW
Corundum variety sapphire
Anakie, Queensland 4(2):117f; 6(2):56f
Carapooee, Victoria 14(2):73-78afSEM
Glen Innes, New South Wales 4(2):117
Inverell, New South Wales 4(2):116, 117f; 6(2):56f
Kings Plains, New South Wales 4(2):116
Loch Roag, Isle of Lewis, Scotland 3(2):130W
Reddistone Creek, New South Wales 4(2):116
Tomahawk Creek, Anakie, Queensland 18(2):23, 24f
Cosalite
Allies Mine, Deepwater, New South Wales 4(2):83f,85
Kingsgate, New South Wales 7(2):86f; 14(1):21f
Costibite
Consols Lode, Broken Hill, New South Wales 6(2):110
Coussellite
Cleveland mine, Luina, Tasmania 15:21-24afXRD; 21(2):41, 41f
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Block Nine mine, Mineral Hill field, New South Wales 11(2):112
Braeside lead field, Pilbara, Western Australia 13(2):58
Girilambone copper deposits, New South Wales 11(2):96

Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):20, 18f, 20f
Mount Lyell mines, Tasmania 21(2):24, 30f
Mt Malvern mine near Clarendon, South Australia 5(1):10
Mount Moliagul, Victoria 21(1): 42
Northparkes, New South Wales 4(1):7
Paddys River Valley, Australian Capital Territory 22(1):41, 34f,
Red Terror mine, Mineral Hill field, New South Wales 11(2):112

Cowlesite

Aranga quarry Northland, New Zealand 19(2):8
Awatere Valley, New Zealand 8(1):41W
Moonen Bay, Skye, Scotland 1(1):31W
Pheasant Creek road-cutting, Barrington Tops, New South Wales 8(1):4, 5f, 6a LRS XRD
Waima River, New Zealand 3(2):127fW
Waipoua River, New Zealand 3(2):127W

Coquimbite

Sunny Corner, New South Wales 17(1):50

Crandallite

Kintore opencut, Broken Hill, New South Wales 3(1):46
Moculta, St. John's, Tom's and Penrice quarries, South Australia 17(1):10f, 14, 14f; 23(1):6, 8, 11, 13,
14, 16, 17, 22
Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 24, 26, 27, 28f, 31, 32f,
33, 33f, 35
Spring Creek mine, Wilmington, South Australia 2(2):63f
Woodlands, Gascoyne region, Western Australia 14(1):27-36f

Creedite

Silver Coin mine, Humboldt County, Nevada, USA 2(2):78W

Cristobalite

Mt Shadwell, Victoria 14(1):39f
Rollinsons quarry, near Malmsbury, Victoria 16(2):99

Crocidolite

Hamersley Basin, Pilbara, Western Australia 20(2):43, 43f

Crocoite

Adelaide mine, Dundas, Tasmania 2(1):39f, W; 5(2):53f, 87-88fW; 6(2):53f, 72f, 81f; 9(2):97f;
10(2):80,81f; 12(2):64-67f, 80a, 81f; 18(1):65, 65fW; 22(1):53f, 54f, 55f, 56f; 23(1):27-31
Dundas, Tasmania 6(2):76f, 80f; 7(1):24f
Dundas Extended mine, Dundas, Tasmania 2(1):39f, W; 12(2):71-73f
Happy Jack mine, Comet Vale, Western Australia 12(1):15-16f; 24(1):24f,
Heazlewood mine, Tasmania 12(2):80
Kapi mine, Dundas, Tasmania 6(2):73f; 12(2):73f, 80,81f
Kosminsky mine, Dundas, Tasmania 12(2):74f, 80, 87f
Magnet mine, Tasmania 1(1):11-12f; 12(2):80
Platt's Prospect, Dundas, Tasmania 12(2):74f, 80
Premiere Pocket, Adelaide mine, Dundas, Tasmania 12(1):44fW; 12(2):64f
Red Lead mine, Dundas, Tasmania 12(2):75f, 80a, 85f
Washington Hay mine, Tasmania 12(2):80
West Comet mine, Dundas, Tasmania 10(2):80W; 12(2):77f, 80
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Cryptomelane

Kintore opencut, Broken Hill, New South Wales 3(1):31
Mt Stewart mine, Leadville, New South Wales 5(1):36-37
New England region, New South Wales 4(2):103
Sunny Corner, New South Wales 17(1):48
Temma, Tasmania 18(2):54W

Cubanite

CSA mine, Cobar, New South Wales 11(2):73f
Mount Lyell mines, Tasmania 21(2):30f

Cumengite

Broken Hill, New South Wales 3(1):80f

Mt Malvern mine near Clarendon, South Australia 5(1):10f

Pinnacles mine dumps, Broken Hill, New South Wales 5(1):47W

Cumingtonite, ferroan

Maynes mine, Trial Harbour, Tasmania 21(1):70W, 70f

Cuprite

Aranga quarry, Hood Road, Aranga, New Zealand 3(2):127W; 19(2):8

B Tangye lode, Great Australia mine, Cloncurry, Queensland 9(1):40f

Block 14 opencut, Broken Hill, New South Wales 3(1):33f

Braeside lead field, Pilbara, Western Australia 13(2):59

Broken Hill 3(1):13f, 80f

E26 orebody, Northparkes, New South Wales 10(2):55

Dolyhir quarry, Powys, Wales 11(1):23f

Girilambone copper deposits, New South Wales 11(2):96f

Great Australia mine, Cloncurry, Queensland 1(1):27; 3(2):125fW; 4(1):40W

Hall's Peak deposit, near Armidale, New South Wales 4(2):113

Iodide mine, Mineral Hill field, New South Wales 11(2):112f

Iron Monarch, South Australia 6(1):14

Kapunda, South Australia 6(2):65f

Kintore opencut, Broken Hill, New South Wales 3(1):34

Magpie mine, Queensland 4(1):40W

Mt Cobalt, Queensland 1(2):19f

Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):21, 18f, 21f, 22f

Mount Lyell mines, Tasmania 21(2):24, 25f, 30f

Mt Malvern mine near Clarendon, South Australia 5(1):10, 11f

New Cliffe Hill quarry, Leicestershire, England 11(1):20f

New Cobar mine, Cobar, New South Wales 11(2):77

Nifty copper mine, Western Australia 8(2):49f, 50

Northampton, Western Australia 18(1):43

Northparkes, New South Wales 4(1):6

Orieco mine, Scamander, Tasmania 2(1):40W

Paddys River Valley, Australian Capital Territory 22(1):41, 34f

Pig and Whistle Mine, Drake, New South Wales 4(2):113f

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W

Red Dome gold mine, Chillagoe, Queensland 2(1):40f, 41W; 6(1):41fW

South mine, Broken Hill, New South Wales 9(2):99f

Spring Creek mine, Wilmington, South Australia 2(1):37f; 2(2):45f, 63-64f; 17(2):80f

Sunny Corner, New South Wales 17(1):48

Telfer gold mine, Western Australia 12(1):35f, 37

Ting Tang mine, Gwennap, Cornwall, England 3(2):129W

Triako Eastern pit, Mineral Hill field, New South Wales 11(2):112, 113f

Villecun, France 21(1):58f

Wewak mine, Queensland 4(1):40W

Whim Creek mine, Western Australia 4(1):20

Cuprite variety chalcotrichite

Crusader mine, Kajabbi, Queensland 5(2):84

Crusader mine, north-west Queensland 8(2):73f

Great Australia mine, Cloncurry, Queensland 3(2):125fW; 5(2):84f

Red Dome gold mine, Chillagoe, Queensland 2(1):41W

Sandy Flat pipe, Redbank, Northern Territory 6(1):6-7f

Starra Mine, Selwyn, Queensland 5(2):84-85f

Cuprocopiapite

Sunny Corner, New South Wales 17(1):49, 49f, 50

Cuprotungstite

Storeys Creek mine, Rossarden, Tasmania 9(1):48W; 21(2):80

Cyanotrichite

Mt Oxide, Queensland 2(1):6f

Cyrllovite

E26 orebody, Northparkes, New South Wales 10(2):55

Iron Monarch mine, South Australia 24(2):47f

Kintore opencut, Broken Hill, New South Wales 3(1):46, 48-49f

Lake Boga, Victoria 2(1):41W

Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 24, 25f,

Rixon's sandstone quarry, Campbells Creek, Victoria 13(2):65-70f

Tom's quarry, South Australia 17(1):10f, 15, 15f

Twin Trees mine, Humboldt County, Nevada, USA 2(2):78W

Wycheproof, Victoria 1(2):5f; 2(2):49f

Danalite

Kara mine, Tasmania 4(1):40W

Danielsite

Coppin Pool, Western Australia 6(2):110

Datolite

Albion Park, New South Wales 19(1):35-43, 38XRD, 39f, 40f, 41f

Allandale, Hunter Valley, New South Wales 18(2):32, 32f, 33f

Bergen Hill, New Jersey, USA 16(1):12f

N'Chwaning II mine, Kalahari manganese field, South Africa 5(2):91-92fW; 7(1):41W

Davidbrownite-(NH₄)

Rowley Mine, Arizona, USA 20(1):60f, 61f

Davidite-(La)

Radium Hill, South Australia 6(2):110f

Deansmithite

Clear Creek claim, New Idria, San Benito County, California, USA 3(2):131W

Decrespignyite-(Y)

Paratoo copper mine, South Australia 8(2):80fW; 9(1):47fW; 21(2):42, 42f

Delafossite

Mount Lyell mines, Tasmania 21(2):30f

Mt Malvern mine near Clarendon, South Australia 5(1):10

Spring Creek mine, Wilmington, South Australia 2(2):66

Descloizite

Braeside lead field, Pilbara, Western Australia 13(2):59SEM

Cave Hill quarry, Lilydale, Victoria 13(2):79

Iron Monarch, South Australia 6(1):14

Shangri La mine, Kimberley, Western Australia 16(1):21-22SEM

Descloizite-mottramite

Devons Cut, Braeside lead field, Pilbara, Western Australia 13(2):59f

Moxom Well, Braeside lead field, Pilbara, Western Australia 13(2):59

Dewindtite

Mt Painter, South Australia 9(1):29d

Ranger No.3 deposit, Jabiru, Northern Territory 5(1):22, 24f

Diabolite

Mt Malvern mine near Clarendon, South Australia 5(1):10f

Diamond

Argyle AK1 mine, Kimberley, Western Australia 14(2):49f; 18(2):23, 24f; 22(2):38f; 24(2):11, 11f, 12f, 13, 13f, 23f;

Bingara, New South Wales 4(2):115

Black Sands Creek, Beechworth, Victoria 3(2):89f

Cope's Creek, New South Wales 4(2):115

Copeton, New South Wales 4(2):115, 116f

Echunga, South Australia 6(2):65f; 20(1):23f

Ellendale, Kimberley Region, Western Australia 24(2):11, 13, 13f, 23f;

Ellendale 9, mine, Western Australia 22(2):38f

Dickite

Mount Lyell mines, Tasmania 21(2):30f

Digenite

Mount Lyell mines, Tasmania 21(2):30f

Northparkes, New South Wales 4(1):7

Paddys River Valley, Australian Capital Territory 22(1):41, 34f

Diopside

Attunga, near Tamworth, New South Wales 4(2):99

Mt Elliott mine, Mt Isa, Queensland 5(2):87-88fW; 7(2):81-82fW

Paddys River Valley, Australian Capital Territory 22(1):35, 34f

Tumut Serpentinite Province, New South Wales 7(1):6, 9

Yinnietharra Station, Gascoyne area, Western Australia 2(1):41W

Diopside, chromian

Cradle Mountain, Tasmania 5(1):47W

Diopside-hedenbergite

Kara Mine, Tasmania 7(1):37W

Dioptase

Tsumeb mine, Tsumeb, Namibia 21(1):47f

Dittmarite

Skipton Caves, Victoria 6(2):111

Djurleite

Great Australia mine, Cloncurry, Queensland 7(1):36fW; 7(2):47f

Mount Lyell mines, Tasmania 21(2):30f

Dolomite

Cleveland Mine, Luina, Tasmania 6(2):72f; 7(1):37W

Kintore open cut, Broken Hill, New South Wales 3(1):38

Magnet mine, Tasmania 1(1):12f

Manuka Zn-Pb-Ag deposits, Cobar Basin, New South Wales 18(2):10

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):60,61f

Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):17, 18f

Mount Lyell mines, Tasmania 21(2):24, 25f, 30f

Mt Newman, Western Australia 2(1):41W

Nifty copper mine, Western Australia 8(2):50

Paddys River Valley, Australian Capital Territory 22(1):38, 34f

Parkside Mine, Cumberland, England 6(2):81f

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W

Prince Lyell mine, Mt Lyell, Queenstown, Tasmania 7(2):82,83fW

Shangri La mine, Kimberley, Western Australia 16(1):20

Renison Bell, Tasmania 2(1):39W

Roxby Downs, South Australia 2(1):40f, 41W

Wallaroo Mines, Kadina, South Australia 16(2):57; 17(2):80f

Dolomite, ferroan

Jenolan Caves, New South Wales 5(1):47W

Domerockite

Dome Rock copper mine, Boolcoomatta Reserve, South Australia 21(2): 42, 42f

Donnayite-(Y)

Paratoo mine, South Australia 9(1):47fW

Doughtyite

Paddys River Valley, Australian Capital Territory 22(1):43, 34f

Dravite

May Downs, Queensland. 9(1):3f; 14(2):81-87af

St Dizier mine, between Zeehan and Corinna, Tasmania 4(1):40W

Tom's quarry, Kapunda, South Australia 17(1):28

Yinnietharra, Western Australia 6(2):97f; 22(2):36f; 24(2):68-70

Ducktownite – a variety of chalcocite

24(2):61-64

Dufrérite

Block 14 opencut, Broken Hill, New South Wales 3(1):46

Iron Monarch, South Australia 2(1):22f
Kintore opencut, Broken Hill, New South Wales 3(1):46,48f
Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 24,
Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W
Spring Creek mine, Wilmington, South Australia 5(2):59
Twin Trees mine, Humboldt County, Nevada, USA 2(2):78W

Duftite
Kintore opencut, Broken Hill, New South Wales 3(1):55f, 58f, 61f
Mt Malvern mine near Clarendon, South Australia 5(1):11f
New Cobar mine, Cobar, New South Wales 11(2):79f

Duhamelite
Iron Monarch, South Australia 6(1):14-15f

Dumontite
Ranger No.3 deposit, Jabiru, Northern Territory 5(1):22,24f

Dundasite
Adelaide Mine, Dundas 22(1): 53, 53f, 54f,
Adelaide Proprietary mine, Dundas, Tasmania 6(2):111; 12(2):81f, 82a; 18(1): 65W, 65f
Dundas, Tasmania 6(2):112f
Hercules mine, near Rosebery, Tasmania 4(1):40W
Kapi mine, Dundas, Tasmania 6(2):73f 12(2):73f, 81f
Mt Read, Tasmania 12(2):82a
West Comet mine, Dundas, Tasmania 12(2):81

Dundasite-petterdite?
Happy Jack mine, Comet Vale, Western Australia 12(1):17

Dussertite
Telfer gold mine, Western Australia 12(1):37

Dypingite
Buckland mine, Mangana, Tasmania 9(1):48W
Paddys River Valley, Australian Capital Territory 22(1):42, 34f, 43f

Dyscrasite
Magnet mine, Tasmania 1(1):12

Ecandrewsite
Melbourne Rockwell mine, Little Broken Hill, New South Wales 6(2):111

Eckermannite
Tomahawk River, north of Scottsdale, Tasmania 9(1):48W

Edgarbaileyite
Clear Creek claim, New Idria, San Benito County, California, USA 3(2):131W

Edenite
Waitakere Ranges, North Island, New Zealand 19(2):22

Edoyleite
Clear Creek claim, New Idria, San Benito County, California, USA 3(2):131W

Edscottite
Wedderburn meteorite, Victoria, Australia 20(1):60f, 67W, 20(2):46W; 21(2):42, 80

Edwardsite
Block 14 opencut, Broken Hill, New South Wales 16(1):47W, 47SEM; 21(2): 42, 43f

Eglestonite
Clear Creek claim, New Idria, San Benito County, California, USA 3(2):131W

Elbaitte variety rubellite
Anjanabonoina, Madagascar 11(1):5f
Queen mine, Pala, California, USA 6(2):56f
Stewart Dyke, San Diego County, USA 11(1):5f

Ellestadite group
Paddys River Valley, Australian Capital Territory 22(1):43, 34f

Elliottite
Tom's phosphate quarry, Kapunda, South Australia 23(1):13-20

Elsmoreite
Elsmore tin deposit, Elsmore, New South Wales 13(1):51W; 21(1):43, 43f

‘Embolite’

Adelaide mine, Dundas, Tasmania 2(1):39W

Emerald, see **Beryl** variety emerald

Empressite

Emperor mine, Vatukoula, Viti Levu, Fiji 7(2):70

Enargite

Mount Lyell mines, Tasmania 21(2):24, 30f

Endlichite

Magnet mine, Tasmania 1(1):12

Englishite

Gold Quarry mine, Eureka County, Nevada, USA 2(2):78W

Enstatite

The Anakies volcanoes, Victoria 21(1):28,29f, 33f,

Derby, Tasmania 5(2):87W

Lake Taupo, New Zealand 19(2):35

Tumut Serpentinite Province, New South Wales 7(1):6

Eosphorite

Iron Monarch, South Australia 6(1):15f

St John’s quarry, South Australia 17(1):10f, 15, 15f, 16f

Epididymite

Narssarssuk, Greenland 6(2):90f; 17(2) 61f

Zomba, Malawi 2(1):32W

Zomba Plateau, Malawi 4(1):42W

Epidote

Attunga, near Tamworth, New South Wales 4(2):98, 99

Calumet Mine, Salida, Colorado, USA 1(2):30W

Jamieson River, Victoria 2(2):51-54af

Kara Mine, Tasmania 7(1):37W

Mitchell Plateau, Western Australia 2(1):40f, 41W; 24(2):57-60

Paddys River Valley, Australian Capital Territory 22(1):35, 34f, 35f

Epistilbite

Sgurr nam Boc, Isle of Skye, Scotland 3(2):130W

Talisker Bay, Isle of Skye, Scotland 3(2):130W

Erionite

Waitakere Ranges, North Island, New Zealand 19(2):15

Erionite-Ca

Nietta, Tasmania 20(1):67W

Ernienickelite

Siberia complex, NW of Kalgoorlie, Western Australia 6(2):111

Erythrite

Bismuth mine, Torrington, New South Wales 4(2):113

Desolation prospect, Mount Isa Block, Queensland 17(2):85

Mt Cobalt, Queensland 1(2):19,20f; 21(1):51f

Olympic Dam mine, Roxby Downs, South Australia 5(1):47W

Ettringite

N’Chwaning II mine, Kalahari manganese field, South Africa 2(2):79W; 3(2):127W; 11(1):39-40fW

Wessels mine, Kalahari, South Africa 2(1):32W

Euclase

Giles Pegmatite, Spargoville, Western Australia 18(2):39-44, 41f, 42f, 43XRD, 44a

Evansite

Tom’ quarry, Kapunda, South Australia 17(1):10f, 16

Ewingite

Plavno mine, Czech Republic 20(1):60f, 61f

Fairfieldite

Iron Monarch, South Australia 6(1):15

Faustite

Iron Monarch, South Australia 6(1):21-22f

Kintore open-cut, Broken Hill, New South Wales 3(1):46
Fayalite, manganoan
Black and White mine, Danglemah, New South Wales 4(2):10
Felsöbányaite
Sunny Corner, New South Wales 17(1):49, 49f
Fe oxides
Bali Lo prospect, Ashburton Downs, Western Australia 13(1):38
Ferberite
Rumsby's mine, The Gulf, Emmaville, New South Wales 18(2):26
Ferricopiapite
Sunny Corner, New South Wales 17(1):49, 49f, 50
Ferrihydrite
Paddys River Valley, Australian Capital Territory 22(1):41, 34f
Ferrimolybdate
Blue Hill quarry, Oberon, New South Wales 10(2):48f
Kingsgate, New South Wales 4(2):112f
Mount Moliagul, Victoria 18(2):54W, 54f
Paddys River Valley, Australian Capital Territory 22(1):41, 34f
Ferritchromit, see Magnetite, chromian
Ferritungstite
Hall's Grampians, New South Wales 4(2):111
Torrington area, New South Wales 4(2):111
Ferroaluminoceladonite
Hokonui Hills, Southland, New Zealand 19(2):30
Ferroan calcite
Abbotsford and Bundoora, Victoria 20(1):31f, 33, 33f, 34f, 35f, 36f, 37f, 38f, 39f
Ferroaxinite
Ascot Hills, Victoria 11(1):32a
Colebrook Hill, Tasmania 6(2):80f
Dookie, Victoria 11(1):32a
Lake Cooper quarry, Corop, Victoria 11(1):27-33af
Ferroceladonite
Hokonui Hills, Southland, New Zealand 19(2):30, 30f
Ferrocolumbite
Giles Pegmatite, Spargoville, Western Australia 18(2); 40
Greens Well, Wodgina, Pilbara, Western Australia 6(2):111, 112f
Spargoville, Western Australia 2(1):2f; 3(2):96-97,98f; 69-6(2):90f, 98f;
Ferroholmquistite
Greenbushes pegmatite, Greenbushes, Western Australia 21(2):43
Ferrolaueite
Monmouth County, New Jersey, USA 16(2):69-76
Trutzhofmühle aplite, Hagedorf pegmatite, Germany 16(2):77
White Cap Mine, Pennington Co., South Dakota 16(2):77, 78f
Ferromolybdate
Mount Moliagul, Victoria 21(1):42, 42f, 43f
Ferropyrosmalite
Pegmont deposit, Queensland 6(2):111
Ferrorhodonite
Broken Hill, New South Wales 18(1):65W, 65f; 21(2):44
Ferrosilite
Rollinsons quarry, near Malmsbury, Victoria 16(2):99, 99f
Ferrostrunzite
Monmouth County, New Jersey, USA 16(2):71f
Feruvite
Cuvier Island, off Coromandel Peninsula, New Zealand 19(2):31, 31f
Fervanite
Gold Quarry mine, Eureka County, Nevada, USA 2(2):78W

Fibroferrite

Sunny Corner, New South Wales 17(1):49, 49f, 50

Fiemmite

San Lugano Pass, Carano, Italy 20(1):60f

Florencite-(Ce)

Mount Lyell mines, Tasmania 21(2):24, 30f

Fluellite

Tom's quarry, Kapunda, South Australia 17(1):10f, 16, 16f

Fluorapatite

Anchor mine, Lottah, Tasmania 2(1):40W

Iron Monarch mine, South Australia 24(2):47f

Lake Boga, Victoria 6(2):85f

Mount Lyell mines, Tasmania 21(2):26, 26f, 30f

Mt Elliott mine, Mt Isa, Queensland 5(2):87-88fW

No.2 workings, Mt Painter, South Australia 9(1):24

South Australian phosphate deposits 17(1):10f, 16-17,17f

Spring Creek mine, Wilmington, South Australia 5(2):57f, 60

Fluorapophyllite

Zinc Corporation mine, Broken Hill, New South Wales 3(1):20f; 16(2):103f

India 16(1):45f

Fluorite

Anchor mine, Lottah, Tasmania 2(1):40W

Bamford, Queensland 16(1):43f

Bundarra, New South Wales 9(2):100f

Cleveland mine, Luina, Tasmania 6(2):72f

Cumberland, England 16(1):10f; 16(2):61f

Day Dream mine, Silverton, New South Wales 3(2):107f

Ediacara, Flinders Ranges, South Australia 4(1):40W

Eldorado, Victoria 16(1):31

Erongo Mountain, Namibia 14(1):46-47f

Florence mine, Cumbria, England 6(2):72f

Frazer's Hush, North Pennines, England 1(1):30W

The Gulf, Emmaville, New South Wales 4(2):121

Hunan Province, China 9(1):48W

Kara Mine, Tasmania 7(1):37W

La Barre mine, near Pontgibaud, Puy-de-Dôme, France 3(2):129W

Madagascar 21(1):60f

Mt Elliott mine, Mt Isa, Queensland 5(2):87-88fW

Mount Lyell mines, Tasmania 21(2):26, 26f, 30f

Mt Stewart mine, Leadville, New South Wales 5(1):30

New Method mine, San Bernadino County, California 21(1):50f

Pella, Northern Cape Province, South Africa 11(1):39-40fW

Reid's Shaft, Hall's Grampians, New South Wales 4(2):98

Renison Bell, Tasmania 6(2):74f

Riemvasmaak, Northern Cape Province, South Africa 13(1):47fW

Rossignol vein, Chaillac, France 3(2):129W

Rumsby's mine, The Gulf, Emmaville, New South Wales 4(2):97f, 98; 8(1):40f; 18(2):23-26, 24f, 25f

Vergenoeg fluorite mine, Rust-de-Winter district, South Africa 11(1):41fW

Fluornatrocoulsellite

Luina, Tasmania 18(1):65W

Fluororichterite

Nullagine, Western Australia 1(2):36

Flurlite

Hagendorf Süd pegmatite, Bavaria 19(1):10XRD, 15, 15f

Foggite

Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 24, 26, 26f, 27f, 31, 33f, 35

Formanite-(Y)

Cooglegong, Pilbara, Western Australia 6(2):111

Fornacite

Whim Creek mine, Western Australia 4(1):20,21f

Fornacite-vauquelinite

Kintore opencut, Broken Hill, New South Wales 3(1):66,68f

Forsterite

Lake Taupo, New Zealand 19(2):35

Forsterite variety peridot

Gum Flat Road, Inverell, New South Wales 4(2):121

Foshagite

Eddy Creek quarry, Weld River, Tasmania 18(1):65W

Francevillite

Sleisbeck uranium deposit, Northern Territory 11(1):8f

Francisite

Iron Monarch, South Australia 2(1):22f; 6(2):112f, 113; 24(2):48f

Françoisite-(Ce)

La Creusaz uranium prospect near Les Marécottes, Valais 16(1):48W

Number 2 workings, Radium Ridge, near Arkaroola, South Australia 16(1):48W; 21(2):44, 44f

Francoisite-(Nd)

No.2 workings, Mt Painter, South Australia 9(1):24,25f

Franklinite

Franklin, New Jersey, USA 16(2):61f

Freibergite

Sunny Corner, New South Wales 17(1):46, 47

Froodite

Mulga Springs, Broken Hill district, New South Wales 4(1):36

Fukalite

Eddy Creek quarry, Weld River, Tasmania 18(1):65W

Gadolinite-(Y)

Ytterby, Sweden 16(7):7f

Gahnite

Hohenfels, near Otjiwarongo, Namibia 4(1):42W

Galena

Almanda mine, Cherry Gardens, South Australia 18(1):56

Blue Hill quarry, Oberon, New South Wales 10(2):49

Broken Hill, New South Wales 8(2):45f, 82; 16(2):105f

Cave Hill quarry, Lilydale, Victoria 13(2):76f, 78f, 80a

Cramford, Derbyshire, England 16(2):61f

Elandsrand gold mine, Witwatersrand, South Africa 4(1):42W

Goongewa mine, Fitzroy Crossing, Western Australia 2(2):76W; 4(1):41W

Jamieson mercury deposit, Victoria 9(1):36

Kintore opencut, Broken Hill, New South Wales 3(1):31

Lucknow, near Orange, New South Wales 6(1):30

Magnet mine, Tasmania 1(1):12

Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 24

Mount Lyell mines, Tasmania 21(2):26, 30f

Mt Malvern mine near Clarendon, South Australia 5(1):11

Mt Stewart mine, Leadville, New South Wales 5(1):30,31f

Northampton, Western Australia 6(2):96f; 18(1):43, 45f, 46f

Paddys River Valley, Australian Capital Territory 22(1):37, 34f, 37f

Penny West gold mine, Youanmi, Western Australia 18(1):27, 26f

Pering mine, Kuruman, South Africa 2(2):79W

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W

Potter's mine, Condobolin, New South Wales 11(2):119f, 120

Red Dome mine, Chillagoe, Queensland 2(1):41W

Rosignol vein, Chaillac, France 3(2):129W

Surprise mine, Northampton lead-copper field, Western Australia 24(1): 24(1):25f,
Sunny Corner, New South Wales 17(1):46, 47, 47f
Waratah ore body, Renison Bell, Tasmania 5(1):48fW
Wallaroo mines, Kadina, South Australia 17(2):65, 65f; 20(1):24f

Galenobismutite
Kingsgate, New South Wales 4(2):85; 14(1):20-23f

Galkhaite
Getchell mine, Humboldt County, Nevada, USA 2(2):78,80fW

Garnet: see Almandine, Andradite, Grossular, etc.

Gartrellite
Ashburton Downs, Western Australia 6(2):112f, 113; 13(1):35-37f
Kintore opencut, Broken Hill, New South Wales 3(1):58,61f
New Cobar mine, Cobar, New South Wales 11(2):80

Gaspéite
132 North mine, Widgiemooltha, Western Australia 6(2):98f

Gatehouseite
Iron Monarch, South Australia 6(2):112f, 113; 24(2):48f

Gaudefroyite
N'Chwaning II mine, Kalahari, South Africa 2(2):79W

Gearksutite
Cleveland mine, Luina, Tasmania 2(1):39W

Ge-beudantite
Tsumeb, Namibia 5(2):91-92fW

Gedrite/anthophyllite
Tumut Serpentinite Province, New South Wales 7(1):6, 8

Gehlenite
Commercial quarry, Crestmore, Riverside County, California, USA 4(1):42W
"Haystack", Shannon Tier, north of Bothwell, Tasmania 7(1):37W

Georgeite
Carr Boyd Ni-mine, Goongarrie, Western Australia 6(2):113, 114f
Lloyd mine, Burruga, New South Wales 16(1):39-40f

Gerhardtite
B Tangye lode, Great Australia mine, Cloncurry, Queensland 9(1):40f
Great Australia mine, Queensland 1(1):27
Monakoff Mine, Cloncurry, Queensland 4(1):40W

Gersdorffite
Bismuth, Torrington area, New South Wales 4(2):96f

Gianellaite
Clear Creek claim, New Idria, San Benito County, California, USA 3(2):131W

Gibbsite
Adelaide mine, Dundas, Tasmania 12(2):81,82f; 22(1):53, 53f, 54f, 55f
Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):17, 18f

Gillardite
132 North deposit, Widgiemooltha, Western Australia 13(1):15-18afXRD; 21(2):44, 44f

Gismondine
Aranga quarry, Hood Road, Aranga, New Zealand 3(2):127W, 19(2):8

Gismondine?
West Ridgley, Tasmania 10(2):65

Gittinsite
Mad Gap Yards, Kimberley Region, Western Australia 24(2):14, 14f, 23f;

Glass, volcanic
Mt Shadwell, Mortlake, Victoria 14(1):37-42af

Glaucosite
Monmouth County, New Jersey, USA 16(2):71f

Glaukosphaerite
Durkin shaft, Kambalda, Western Australia 6(2):113

Glendonite

Glendon Station, Hunter Valley, New South Wales 21(2):5-12,

Gmelinite series

Awatere Valley, New Zealand 8(1):41W

Bell Mount, Middlesex, Tasmania 10(2):65

Cape Grim, Tasmania 10(2):65

Flinders, Victoria 6(2):88f

Redpa, Tasmania 10(2):65f

Sheffield, Tasmania 10(2):65f

Gmelinite-Na

Redpa, Tasmania 10(2):63a

Gmelinite-chabazite

Cat Bay, Phillip Island, Victoria 2(1):37f

Gobbinsite

Bundoora, Victoria 20(1):42, 42f, 43f; 21(1):56f

Godlevskite

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):61a

Goethite

Almanda mine, Cherry Gardens, South Australia 18(1):56

Bedfordshire County, England 21(1):66f

Blue Hill quarry, Oberon, New South Wales 10(2):48f, 49

Braeside lead field, Pilbara, Western Australia 13(2):59

Broken Hill, New South Wales 7(2):86f

Cliff workings, Red Rock field, Drake Goldfield, NSW 24(2):33f, 56

Dundas, Tasmania 12(2):81

Gascoyne River, Western Australia 22(2):5-12, 7f, 8f, 9f, 10f, 10XRD, 11f

Goanna Patch alluvial mining area, Western Australia 15:58

Jenolan Caves, New South Wales 5(1):47W

Kintore opencut, Broken Hill, New South Wales 3(1):53f, 62f

Magnet mine, Tasmania 1(1):12

Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 22f, 26, 27

Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):21, 18f, 22f

Mount Lyell mines, Tasmania 21(2):30f

Mount Moliagul, Victoria 21(1):42

Mt Elliott mine, Selwyn, Queensland 3(2):126W

Mt Malvern mine near Clarendon, South Australia 5(1):12

Mt Stewart mine, Leadville, New South Wales 5(1):35f, 37

New England region, New South Wales 4(2):103

Nifty copper mine, Western Australia 8(2):52f

No.2 workings, Mt Painter, South Australia 9(1):24, 28f, 30f

Paddys River Valley, Australian Capital Territory 22(1):42, 34f,

Peak Hill gold mine, New South Wales 15:49-50f

Proprietary mine, Broken Hill, New South Wales, 1(2):5f

Restormel iron mine, Lanlivery, Cornwall, England 16(1):10f

Rixon's sandstone quarry, Campbells Creek, Victoria 13(2):66-67f

Shangri La mine, Kimberley, Western Australia 16(1):21

Spring Creek mine, Wilmington, South Australia 2(2):64f, 66f

Sydney area, New South Wales 8(1):39

Tennant Creek, Northern Territory 21(1):64f

Tom's quarry, Kapunda, South Australia 17(1):28, 29f

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Avondale mine, Northern Flinders Ranges, South Australia 18(1):68W

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N'Chwaning II mine, Kalahari manganese field, South Africa 7(1):40-41fW; 9(1):49W

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Blue Hill quarry, Oberon, New South Wales 10(2):48f, 49

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Lunatic goldfield, Drake, New South Wales 6(1):42W

Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 26

Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):24, 18f, 25f

Mount Lyell mines, Tasmania 21(2):30f

Mount Moliagul, Victoria 21(1):43,

Moxom Well, Braeside lead field, Pilbara, Western Australia 13(2):60

Mt Malvern mine near Clarendon, South Australia 5(1):12

Mt Oxide, Queensland 2(1):7

Northparkes, New South Wales 4(1):7

Paddys River Valley, Australian Capital Territory 22(1):43, 34f

Peak Hill gold mine, New South Wales 15:49

Spring Creek mine, Wilmington, South Australia 2(2):66

Tom's quarry, Kapunda, South Australia 17(1):29

Jarosite-natrojarosite see also Natrojarosite-jarosite

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W

Northampton, Western Australia 18(1):44

Jennite

Commercial quarry, Crestmore, Riverside County, California, USA 4(1):42W

Jeppeite

Walgidee Hills, Kimberley Region, Western Australia 6(2):115f; 24(2):15, 15f, 23f;

Ellendale, Kimberley Region, Western Australia 24(2):15;

Jeremejevite

Erongo Mountain, Namibia 7(1):41W

Johannsenite

Woods mine, New South Wales 15:15f, 16a

Jokokuite

Womobi mine, northern Victoria 17(1):35, 36f

Jonassonite

Maldon, Victoria 15:33-35af

Johntomaite

Spring Creek mine, Wilmington, South Australia 5(2):57f; 6(2):115

Joséite- α and β

Kingsgate, New South Wales 4(2):84; 14(1):20-22af

Maldon, Victoria 15:33-34af

Sunrise mine, Bolivia, New South Wales 4(2):84

Junitoite

Christmas mine, Gila County, Arizona 21(1):48f

Junoite

Juno mine, Tennant Creek, Northern Territory 6(2):115

Jurbanite

Sunny Corner, New South Wales 17(1):49, 49f, 50

Kalgoorlieite

Kalgoorlie, Western Australia 18(1):67W; 21(2):46,

Kambaldaite

Otter Shoot Ni-mine, Kambalda, and Western Australia 6(2):115f

Kamphaugite-(Y)

Paratoo mine, South Australia 9(1):47fW

Kaolinite

Kintore opencut, Broken Hill, New South Wales 3(1):31

Mount Lyell mines, Tasmania 21(2):30f

Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):19, 18f

Mt Stewart mine, Leadville, New South Wales 5(1):37

Nifty copper mine, Western Australia 8(2):50

Northparkes, New South Wales 4(1):7

Whim Creek mine, Western Australia 4(1):20, 24f

Woodlands, Gascoyne region, Western Australia 14(1):32

Kankite

Storeys Creek mine, Rossarden, Tasmania 21(2):80

Kapundaite

Tom's quarry, Kapunda, South Australia 16(1):48W; 17(1):10f, 18-19. 19f; 21(2):47, 47f; 23(1):5, 13

Karpatite

Numero Uno mine, New Idria, San Benito County, California, USA 3(2):131W

Picacho mine, New Idria, San Benito County, California, USA 3(2):131W

Kasolite

British Empire mine, Arkaroola 8(2):75-79f

Kayrobertsonite

Hagendorf Süd pegmatite, Bavaria 19(1):8, 10XRD

Kazakhstanite

Gold Quarry mine, Eureka County, Nevada, USA 2(2):78W

Kermesite

Hillgrove, New South Wales 4(2):112

Rivertree, near Drake, New South Wales 4(2):112, 113f

Kidwellite

Kintore opencut, Broken Hill, New South Wales 3(1):46f, 48f

Silver Coin mine, Humboldt County, Nevada, USA 2(2):78W

Kimrobinsonite

Mt Holland, Western Australia 6(2):116

Kingite

Fairview mine, Robertstown, South Australia 6(2):116f

Gold Quarry mine, Eureka County, Nevada, USA 2(2):78W

Tom's quarry, Kapunda, South Australia 10f, 19

Kingsgateite

Old 25 Pipe bismuth-molybdenum mine, Kingsgate, New South Wales 21(2):47, 47f

Kinoite

Christmas mine, Gila County, Arizona 21(1):48f

Kintoreite

Block 14 opencut, Broken Hill, New South Wales 3(1):46-48

Iron Monarch, South Australia 6(1):16f

Kintore opencut, Broken Hill, New South Wales 1(2):36f; 3(1):46-48f; 6(2):116, 118f

Kipushite

Block 14 opencut, Broken Hill, New South Wales 3(1):47, 49f

Kleberite

Murray Basin mineral sands deposits, New South Wales and Victoria 21(2): 48, 48f

Kleemanite

Iron Monarch, South Australia 6(2):116; 24(2):49f

Kintore opencut, Broken Hill, New South Wales 3(1):47,49f

Knebelite, see **Fayalite, manganooan**

Kobellite

Wolfram pipe, Kingsgate, New South Wales 14(1):20-24afSEM

Koehlinite

Elsmore, New South Wales 7(1):15; 8(2):57f

Pittong, Victoria 7(2):77f, 78EDSf, 79f

Kolbeckite

Emperor mine, Vatukoula, Viti Levu, Fiji 7(2):71; 17(2):91-93, 91f, 92f

Kolitschite

Kintore opencut, Broken Hill, New South Wales 14(2):63, 64aXRD, 65fSEM, 66-67; 21(2):48, 48f

Kosnarite

Wycheproof, Victoria 1(2):5f, 6

Kostovite

The Golden Mile 18(1):14,14f

Köttigite

Magnet mine, Tasmania 1(1):13

Penguin Silver mine, Tasmania 20(1):67W

Pinnacles mine dumps, Broken Hill, New South Wales 5(2):87W

Kozulite

Wood's mine, near Bendemeer, New South Wales 4(2):103, 104f

Krennerite

Emperor mine, Vatukoula, Viti Levu, Fiji 7(2):70

The Golden Mile, Western Australia 18(1)13, 13f

Western Australia 24(1):8,9

K-rich feldspar

Goanna Patch alluvial mining area, Western Australia 15:59

K-rich feldspar variety adularia

Prehnite deposit, Mullaleey, New South Wales 15:7-9f

Krinovite

Youndegin Meteorite – Youndegin, Avon, Western Australia 6(2):128

Kröhnkite

Broken Hill, New South Wales 1(2):36;3(1):43

Ktenasite

Block 14 opencut, Broken Hill, New South Wales 3(1):43

Broken Hill, New South Wales 3(1):80

Kintore opencut, Broken Hill, New South Wales 3(1):43,44f; 14(2):61f

Kuksite

Blue Bell claims, San Bernardino County, California, USA 3(2):130W

Kummerite

Hagendorf Süd pegmatite, Bavaria 19(1):10XRD, 11, 11f, 12f

Kunatite

Huber open pit, Krásno, Czech Republic 14(1):3-12af LRS SEM XRD

Lake Boga, Victoria 14(1):3-12af LRS XRD; 21(2):48, 49f

Kutnohorite

N'Chwaning II mine, Kalahari manganese field, South Africa 7(1):41fW

Wessels mine, Kalahari manganese field, South Africa 5(2):91-92fW

Labradorite

Hogarth Range, New South Wales 4(2):121

Lakebogaite

Lake Boga, Victoria 14(2):62W; 21(2):49, 49f, 80, 81f

Lanarkite

Broken Hill, New South Wales 3(1):80f

Langite

Kintore opencut, Broken Hill, New South Wales 3(1):43
Mt Malvern mine near Clarendon, South Australia 5(1):12
Paddys River Valley, Australian Capital Territory 22(1):43, 34f

Laueite

Monmouth County, New Jersey, USA 16(2):74f

Laumontite

Allandale, Hunter Valley, New South Wales 18(2):32,33f
Hampshire silver mine, Tasmania 10(2):68
Paddys River Valley, Australian Capital Territory 22(1):35, 34f
Poona, India 9(1):4f
Shepherd and Murphy mine, Moina, Tasmania 10(2):68,69f

Laurionite

Avondale mine, North Flinders Ranges, South Australia 18(1):88W

Lavendulan

Mt Cobalt, Queensland 1(2):20f, 22a
Mt Malvern mine near Clarendon, South Australia 5(1):11f, 12
Olympic Dam mine, Roxby Downs, South Australia 5(1):47W

Lazaraskeite

Pusch Ridge, Santa Catalina Mountains, Arizona, USA 20(1):60f

Lead

Comet mine, Dundas, Tasmania 12(2):83
Cooringoora Range, near Bingara, New South Wales 4(2):99
Peel River, Hanging Rock, Nundle, New South Wales 4(2):99

Lead oxycarbonate, see Shannonite

Leadhillite

Broken Hill, New South Wales 3(1):80f
Kintore opencut, Broken Hill, New South Wales 3(1):38,40f
Magnet mine, Tasmania 1(1):13d

Legrandite

Mapimi, Mexico 7(1):24f

Leószilárdite

Markey mine, Utah, USA 20(1):60f, 61f

Lepidocrocite

Magnet mine, Tasmania 1(1):13
Tom's quarry, Kapunda, South Australia 17(1):29, 29f

Lepidolite

Barbara mine, Coolgardie, Western Australia 14(2):58
Coolgardie pegmatite field, Western Australia 3(2):97-98
Londonderry, Western Australia 3(2):98, 100f
Tantalite Hill, Western Australia 3(2):98, 100f

Leucophoenicite

N'Chwaning II mine, Kalahari, South Africa 2(1):32fW

Leucophosphite

E26 orebody, Northparkes, New South Wales 10(2):55
Gunheath pit, Stenalees, Cornwall, England 11(1):14f
Kintore opencut, Broken Hill, New South Wales 3(1):47, 48-49f
Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 25f, 26, 27f, 28f, 35
Mt Oxide, Queensland 2(1):7-8f, 10a
Ninghanboun Hills, Weelhamby Lake, Western Australia 6(2):116
Pinnacles mine dumps, Broken Hill, New South Wales 4(1):40W
Silver Coin mine, Humboldt County, Nevada, USA 2(2):78W
Tom's, Moculta and St John's quarries, South Australia 17(1):10f, 19, 20f
Twin Trees mine, Humboldt County, Nevada, USA 2(2):78W

Levyne series

Aranga quarry, Hood Road, Aranga, New Zealand 3(2):127W; 19(2):8
Awatere Valley, New Zealand 8(1):41W

Ben Lomond quarry, New South Wales 4(2):129

Borambil, New South Wales 2(1):14-16f, 20a

Don Hill, Tasmania 9(1):48W

Gads Hill, near Moina, Tasmania 10(2):66

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Levyne-Ca

Krui Valley, Merriwa, New South Wales 8(2):62a, 64, 65-66f

Willy Wally Gully near Merriwa, New South Wales 16(2):82, 82f

Libethenite

Block 14 opencut, Broken Hill, New South Wales 3(1):47, 50,52f

Broken Hill, New South Wales 21(1):63f

Cargo, New South Wales 10(2):79fW

Cliff workings, Red Rock field, Drake Goldfield, NSW 24(2):33f, 36

Crusader mine, north-west Queensland 8(2):73

Desolation prospect, Mount Isa Block, Queensland 17(2):85

E26 orebody, Northparkes, New South Wales 10(2):55f

Girilambone copper deposits, New South Wales 11(2):96f, 97

Great Australia mine, Queensland 1(1):27

Kintore opencut, Broken Hill, New South Wales 3(1):47, 50

Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):23, 18f, 24f

Mt Oxide, Queensland 2(1):6-8f, 9

Northparkes, New South Wales 4(1):4

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W; 4(1):40W

Ranger No.1 deposit, Jabiru, Northern Territory 5(1):22-23

Sandy Flat pipe, Redbank, Northern Territory 6(1):6-7f

Snowstorm mine, Battle Mountain, Nevada, USA 2(2):78W

Spring Creek mine, Wilmington, South Australia 2(2):65f, 66, 67f

Libethenite, *zincian*

Snowstorm mine, Battle Mountain, Nevada, USA 2(2):78W

Likasite

Great Australia mine, Queensland 5(2):59-60

Spring Creek mine, Wilmington, South Australia 5(2):59-60,61f

Limonite

Mapimi, Mexico 7(1):24f

Mt Evelyn, Northern Territory 7(1):23f

Limonite *after pyrite*

7(1):25f

Linarite

Block 14 opencut, Broken Hill, New South Wales 3(1):43,44f

Broken Hill, New South Wales 3(1):81f; 21(1):63f

Cliff workings, Red Rock field, Drake Goldfield, NSW 24(2):32f, 33f, 36-38, 39a, 40f

Devons Cut, Braeside lead field, Pilbara, Western Australia 13(2):60f

Hercules mine, near Rosebery, Tasmania 4(1):40W

Iron Monarch, South Australia 6(1):16

Kapi mine, Dundas, Tasmania 7(1):36W; 12(2):83

Kintore opencut, Broken Hill, New South Wales 3(1):43

Koongalin Hill, Braeside lead field, Pilbara, Western Australia 13(2):60

Mount Lyell mines, Tasmania 21(2):30f

Mt Malvern mine near Clarendon, South Australia 5(1):12

Northampton, Western Australia 18(1):44

Penberthy Croft mine, Cornwall, England 1(1):30W

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W; 4(1):40W

Shangri La mine, Kimberley, Western Australia 16(1):18-19f, 21

Silver Coin mine, Humboldt County, Nevada, USA 2(2):78W

Wet Weather quarry, Crestmore, Riverside County, California, USA 4(1):42W

Linnaeite

Mount Lyell mines, Tasmania 21(2):30f

Lipscombite

Silver Coin mine, Humboldt County, Nevada, USA 2(2):78W

Liroconite

Ting Tang mine, Gwennap, Cornwall, England 3(2):129W

Lithiomarsturite

Woods mine, New South Wales 15:18-19

Lithiophorite

Dundas, Tasmania 12(2):83

Red Lead mine, Dundas, Tasmania 12(2):86a

Rixon's sandstone quarry, Campbells Creek, Victoria 13(2):67

Litidionite

Snowstorm mine, Battle Mountain, Nevada, USA 2(2):78W

Liversidgeite

Block 14 opencut, Broken Hill, New South Wales 16(1):48w, 48SEM; 21(2):49, 49f

Lizardite

Lucknow, near Orange, New South Wales 6(1):27,28f

Mt Keith mine, Western Australia 7(2):83fW

N'Chwaning II mine, Kalahari, South Africa 2(2):79W

Tumut Serpentinite Province, New South Wales 7(1):6, 9

Löllingite

Almanda mine, Cherry Gardens, South Australia 18(1):56

Loveringite

Jimberlana intrusion, Norseman, Western Australia 6(2):116

Mad Gap Yards, Kimberley Region, Western Australia 24(2):16, 16f, 23f;

Lucasite-(Ce)

Argyle AK1 diamond mine, Kimberley, Western Australia 6(2):117; 24(2):16, 16f, 23f;

Ludlamite

Wheal Jane, Cornwall, England 1(1):30W

Luinaite-(OH)

Mount Cleveland mine, Luina, Heazlewood, Tasmania 21(2):50, 50f

Mcguinnessite

Mt Isa, Queensland 8(2):81fW

Macphersonite

Leadhills-Wanlockhead area, Scotland 1(1):31

Machiite

Murchison, near Shepparton, Victoria 18(1):65; 21(2):50

Magnesio-arfvedsonite

Aries kimberlite and Bow Hill dykes, Kimberley Distric, Western Australia 24(2):16, 23f;

Magnesiobermanite

White Rock No. 2 quarry, Bimbowrie Conservation Park, South Australia 20(1):65W; 21(2):50, 50f

Magnesio-foitite

Mount Lyell mines, Tasmania 21(2):26, 30f

Magnesite

Abbotsford, Victoria 20(1):46

Boulby mine, Cleveland, England 1(1):31W

Franklin Harbour, South Australia 20(1):19f

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):62f

Namibia 4(1):42W

Tumut Serpentinite Province, New South Wales 7(1):6, 10, 11f

Windhoek-Rehoboth area, Namibia 5(2):91W

Magnetite

Kara mine, Tasmania 7(1):37W

Lucknow, near Orange, New South Wales 6(1):28-29f, 30

Lake Taupo, New Zealand 19(2):36, 36f

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):62,64f

Mount Lyell mines, Tasmania 21(2):28, 30f

Mt Phillips Station, Gascoyne area, Western Australia 2(1):41W

Mt Stewart mine, Leadville, New South Wales 5(1):31
Paddys River Valley, Australian Capital Territory 22(1):38, 34f, 38f, 39f
Rollinsons quarry, near Malmsbury, Victoria 16(2):100
Temma, Tasmania 18(2):54W
Tumut Serpentinite Province, New South Wales 7(1):6, 8
Magnetite, chromian
Tumut Serpentinite Province, New South Wales 7(1):6, 8
Magnetite, maghemite
Heemskirk area, Tasmania 21(1):69W, 70f
Magnetite, titanian
The Anakies volcanoes, Victoria 21(1):32, 36f
Magnetoplumbite
Långban, Sweden 1(2):4f
Majorite
Coorara Meteorite – Rawlinna, Eucla, Western Australia 6(2):128
Malachite
Almanda mine, Cherry Gardens, South Australia 18(1):56
Aranga quarry, Hood Road, Aranga, New Zealand 3(2):127W
Block Nine mine, Mineral Hill field, New South Wales 11(2):112
Block 14 opencut, Broken Hill, New South Wales 3(1):38
Braeside lead field, Pilbara, Western Australia 13(2):60
Broken Hill, New South Wales 3(1):12f, 15f, 82; 16(2):104; 24(1):24f,
Brown's Prospect, Rum Jungle, Northern Territory 6(2):89f; 7(1):22f
Burra Burra mine, South Australia 6(2):65f; 20(1):21f, 23f, 26f
Cave Hill quarry, Lilydale, Victoria 13(2):76-77f
Cliff workings, Red Rock field, Drake Goldfield, NSW 24(2):33f, 39
Crusader mine, north-west Queensland 8(2):73f
Day Dream mine, Silverton, New South Wales 3(2):107, 109f
Desolation prospect, Mount Isa Block, Queensland 17(2):85
E26 orebody, Northparkes, New South Wales 10(2):55
Girilambone copper deposits, New South Wales 11(2):92-93f, 97-98f
Goanna Patch alluvial mining area, Western Australia 15:59
Great Australia mine, Queensland 1(1):27
Great Cobar mine, Cobar, New South Wales 6(2):56f; 11(2):76f
Iodide mine, Mineral Hill field, New South Wales 11(2):112
Hall's Peak deposit, near Armidale, New South Wales 4(2):113
Horseshoe deposit, Duck Creek area, Queensland 3(2):125W
Kintore opencut, Broken Hill, New South Wales 3(1):38
Lake Boga, Victoria 2(2):49f
Mt Cobalt, Queensland 1(2):20f, 22
Mt Isa, Queensland 7(1):36W
Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):23, 18f, 24f
Mount Lyell mines, Tasmania 21(2):26, 27f, 30f
Mt Malvern mine near Clarendon, South Australia 5(1):12
Mt Oxide, Queensland 2(1):9
New Dollar deposit, Duck Creek area, Queensland 3(2):125W
Nifty copper mine, Western Australia 8(2):50-51f
Northampton, Western Australia 18(1):44
Northparkes, New South Wales 4(1):5-6
Orieco mine, Scamander, Tasmania 2(1):40W
Paddys River Valley, Australian Capital Territory 22(1):42, 34f, 42f
Paratoo mine, South Australia 9(1):47fW
Peak Downs, Queensland 7(2):87f
Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W
Red Dome gold mine, Chillagoe, Queensland 2(1):40f, 41W
Sandy Flat pipe, Redbank, Northern Territory 6(1):6-7f
Shangri La mine, Kimberley, Western Australia 16(1):18-20f, 21

Spring Creek mine, Wilmington, South Australia 2(2):65f, 67
Telfer gold mine, Western Australia 12(1):35f, 39
Triako Eastern pit, Mineral Hill field, New South Wales 11(2):108f, 112-113f
Whim Creek mine, Western Australia 4(1):18-19f, 20, 21f, 24-25f; 6(2):99f
Woodlawn mine, New South Wales 21(1):51f
Zaire 2(1):32W; 7(1):22f
Malachite after azurite
Nifty copper mine, Western Australia 8(2):52f
Malachite after cuprite
Copper King mine, Puttapa, South Australia 8(1):40
Maldonite
Maldon, Victoria 15:25-38af
Nuggetty Reef, Maldon, Victoria 6(2):117
Sachs mine, Kingsgate, New South Wales 4(2):84,93
Mallardite
Zinc Corporation mine, Broken Hill, New South Wales 1(2):36
Manganaxinite
Pyle's limestone deposit, near Benambra, Victoria 11(1):27-33af
Manganese oxides, see also Psilomelane
Barbara mine, Coolgardie, Western Australia 14(2):58-59
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Braeside lead field, Pilbara, Western Australia 13(2):58
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Desolation prospect, Mount Isa Block, Queensland 17(2):86
Northparkes, New South Wales 4(1):7
Walcha area, New South Wales 4(2):103f
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Black and White mine, Danglemah, New South Wales 4(2):103, 106f
N'Chwaning II mine, Kalahari manganese field, South Africa 14(1):46f
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Woods mine, New South Wales 16(2):87-94, 88XRF, 90DTA, 91f, 92f
Manganilvaite
Mary Valley, southeastern Queensland 20(2):13, 14f
Manganoblodite
Womobi mine, northern Victoria 17(1):36, 37f
Manganochromite
Nairne pyrite deposit, Brukunga, South Australia 6(2):117
Manganocolumbite
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Manganosiderite
Magnet mine, Tasmania 1(1):13
Manganvesuvianite
N'Chwaning II mine, Kalahari manganese field, South Africa 9(1):49W
Mansfieldite
Mt Cobalt, Queensland 1(2):20-22af
Marcasite
Gascoyne River, Western Australia 22(2):8-11, 11f
Getchell mine, Humboldt County, Nevada, USA 2(2):78W
Goongewa mine, Fitzroy Crossing, Western Australia 2(2):76W; 4(1):41fW
Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):20, 18f, 20f
Northampton, Western Australia 18(1):44
Paddys River Valley, Australian Capital Territory 22(1):41, 34f
Vatukoula gold mines, Viti Levu, Fiji 7(2):66
Marchettiite
Mt Cervandone, Piedmont, Italy 20(1):60f

Margarite

Olary Block, South Australia 9(2):92, 93f, 94a

Marialite

Mt Elliott, Queensland 13(1):20fXRD

Markite

Friedrich-Christian mine, Baden-Wurtenberg, Germany 20(1):60f, 61f

Markeyite

Markey mine, Utah, USA 20(1):60f

Marshite

Broken Hill, New South Wales 6(2):118f; 21(1):59f

Kintore opencut, Broken Hill, New South Wales 3(1):35

Proprietary mine, Broken Hill, New South Wales 6(2):117

Marsturite

Woods mine, New South Wales 15:17f, 18-19a

Massicot

Comet mine, Dundas, Tasmania 12(2):83d

Dundas, Tasmania 12(2):83d

Magnet mine, Tasmania 1(1):13

Matlockite

Cramford, Derbyshire, England 16(2):61f

Magnet mine, Tasmania 1(1):13

Mattheddleite

Leadhills-Wanlockhead area, Scotland 1(1):31W

Maucherite

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):62

Mawbyite

Bali Lo prospect, Ashburton Downs, Western Australia 13(1):35-36f

Kintore opencut, Broken Hill, New South Wales 3(1):59f, 64-65f; 6(2):117, 118f

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W

Mawsonite

North Lyell mine, Mt Lyell, Tasmania 6(2):117; 21(2):27, 30f

Royal George mine, Tingha, New South Wales 4(2):72f, 73; 6(2):117, 118f

Melanterite

Paddys River Valley, Australian Capital Territory 22(1):43, 34f

Sunny Corner, New South Wales 17(1):49, 50

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Melonite

The Golden Mile 18(1):14

Vatukoula gold mines, Viti Levu, Fiji 7(2):69

Mendipite

Mt Malvern mine near Clarendon, South Australia 5(1):12

Mendozavilite

Fitzgerald River district, Western Australia 8(1):11-15afXRD

Mengeite

Spring Creek copper mine, Wilmington, South Australia 20(1):67W; 21(2):51, 51f

Mercury

Clear Creek claim, New Idria, San Benito County, California, USA 3(2):131W

Jamieson mercury deposit, Victoria 9(1):35f, 36

Merelaniite

Merelani, Manyara Region, Tanzania 22(2):42, 43f

Mertieite-II

Round Hill, Broken Hill district, New South Wales 4(1):36

Merwinite

Commercial quarry, Crestmore, Riverside County, California, USA 4(1):42W

Mesolite

Ben Lomond railway cutting, New South Wales 4(2):124f

Borambil, New South Wales 7(2):57f, 58af, 59XRD, 60LRS

India 16(1):45f
Krui Valley, Merriwa, New South Wales 8(2):62a, 65f, 69f
Pashan, Maharashtra, India 6(2):90f; 17(2):59f
Pheasant Creek road-cutting, Barrington Tops, New South Wales 8(1):5f,6
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Meta-autunite
Mt Painter, South Australia 9(1):19f, 29, 31f
Metacinnabar
Clear Creek claim, New Idria, San Benito County, California, USA 3(2):131W
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Paddys River Valley, Australian Capital Territory 22(1):39, 34f,
Metahohmannite
Sunny Corner, New South Wales 17(1):49, 49f, 50
Metanatroautunite
Fairview workings, South Australia 17(1):10f, 20
Metaschoepite
No.2 workings, Mt Painter, South Australia 9(1):25,26f
Metaswitzerite
Spring Creek mine, Wilmington, South Australia 5(2):58,60f
Metatorbernite
No.2 workings, Mt Painter, South Australia 9(1):24,30f
Pinnacles mine dumps, Broken Hill, New South Wales 5(2):87W
Ranger No.3 deposit, Jabiru, Northern Territory 5(1):23
Metavariscite
Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 31,
Woodlands, Gascoyne region, Western Australia 14(1):28
Metazeunerite
Elsmore, New South Wales 8(2):57f
Meurigite
Gold Quarry mine, Eureka County, Nevada, USA 2(2):78W
Wycheproof, Victoria 2(2):49f
Meugirite-Na
Tom's, Moculta and St John's quarries, South Australia 10f, 21, 21f
Meyrowitzite
Markey mine, Utah, USA 20(1):60f
Mica
Harts Range, Northern Territory 7(1):36-37fW
Microcline
The Anakies volcanoes, Victoria 21(1):32,36f,
Erongo Mountains, north of Karibib, Namibia 5(2):91W
Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):19, 18f
Pike's Peak, Colorado, USA 17(2):81f
Microcline variety amazonite
Crystal Peak, Colorado, USA 2(1):24f
Middlebackite
Iron Monarch quarry, South Australia 20(1):60f; 21(2):51, 51f
Miersite
Broken Hill, New South Wales 6(2):117, 118f; 11(1):15f
Kintore opencut, Broken Hill, New South Wales 3(1):35
South mine, Broken Hill, New South Wales 9(2):99f
Millerite
Bony Gully, near Elsmore, New South Wales 4(2):99
MKD5 nickel deposit, Mt Keith, Western Australia 9(2):61a, 62-63

Tumut Serpentinite Province, New South Wales 7(1):6, 8a, 9a

Millisite

Iron Monarch mine, South Australia 24(2):56f

Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 26, 28f,

Mimetite

Adelaide mine, Dundas, Tasmania 5(1):47W; 12(2):83,84a

Bali Lo prospect, Ashburton Downs, Western Australia 13(1):35-37f

Block Nine mine, Mineral Hill field, New South Wales 11(2):113

Block 14 opencut, Broken Hill, New South Wales 3(1):59

Endeavour mine, Elura, New South Wales 11(2):86-88f

Happy Jack mine, Comet Vale, Western Australia 12(1):17

Heazlewood mine, west of Waratah, Tasmania 5(1):47W

Hercules mine, near Rosebery, Tasmania 4(1):40W

Iodide mine, Mineral Hill field, New South Wales 11(2):113

Kintore opencut, Broken Hill, New South Wales 3(1):37f,59,64-65f

Kosminsky mine, Dundas, Tasmania 12(2):83

Magnet mine, Tasmania 1(1):13,16f; 12(2):83

Mt Malvern mine near Clarendon, South Australia 5(1):12

New Cobar mine, Cobar, New South Wales 11(2):79f, 80

Penberthy Croft mine, Cornwall, England 1(1):30W

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W

Red Terror mine, Mineral Hill field, New South Wales 11(2):113

Sabine's shaft, Mt Bonnie mine, Northern Territory 2(1):1f

West Comet mine, Dundas, Tasmania 10(2):80W; 12(2):83f

Minium

Magnet mine, Tasmania 1(1):13

Minium after cerussite

Broken Hill, New South Wales 7(1):20,21f

Minyulite

Minyulo Well, Dandaragan, Western Australia 6(2); 118f; 23(1):21-25

South Australian phosphate deposits 17(1):10f, 21-22, 21f, 22f

Mitridatite

Moculta and Tom's quarries, South Australia 17(1):10f, 22, 22f, 23f

Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 22f, 25f, 27, 28f,

Spring Creek mine, Wilmington, South Australia 2(2):67

Mixite

Hilarion mine, Laurium, Greece 3(2):130W

Mt Malvern mine near Clarendon, South Australia 5(1):11f, 12-13

Nifty copper mine, Western Australia 8(2):51

Moissanite

Argyle lamproite, Kimberley Region, Western Australia 24(2):16, 17, 23f;

Molybdenite

Allies mine, Deepwater, New South Wales 4(2):83f, 85; 6(1):41-42fW

Anchor mine, Lottah, Tasmania 2(1):40W

Barbara mine, Coolgardie, Western Australia 14(2):59

Blue Hill quarry, Oberon, New South Wales 10(2):49

Deepwater, New South Wales 24(1):47

Elsmore, New South Wales 8(2):57f

Kingsgate, New South Wales 4(2):81-82; 7(2):86f; 9(2):82f; 13(2):87f; 14(1):20f

Lake Boga, Victoria 2(2):48

Mount Lyell mines, Tasmania 21(2):27, 30f

Mount Moliagul, Victoria 21(1):43, 43f,

Sachs mine, Kingsgate, New South Wales 4(2):82f, 95f

Molybdite

Glen Eden, New South Wales 4(2):111

Radvanice, Czech Republic 1(2):31W

Mount Moliagul, Victoria 21(1):43

Wilson's Downfall, New South Wales 4(2):111

Monazite

Cath-Ida mine, The Gulf, Emmaville, New South Wales 5(1):46W

Cow Flat, Torrington, New South Wales 4(2):97f, 98

Sayers mine, Moina, Tasmania 10(2):80W

Telfer gold mine, Western Australia 12(1):39

Monazite-(Ce)

Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 27

Mount Lyell mines, Tasmania 21(2):30f

No.2 workings, Mt Painter, South Australia 9(1):24

Monticellite

"Haystack", Shannon Tier, north of Bothwell, Tasmania 7(1):37W

Montgomeryite

Iron Monarch mine, South Australia 24(2):49f

Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 27, 28f,

Parwan, Victoria 13(1):26f

Montmorillonite

Allandale, Hunter Valley, New South Wales 18(2):34

Bendalong Point, Bendalong, New South Wales 7(2):52-53f

Parwan, Victoria 13(1):27f

Montroydite

Clear Creek claim, New Idria, San Benito County, California, USA 3(2):131W

Moolooite

Mooloo Downs, Murchison, Western Australia 6(2):118

Moraesite

Londonderry, Western Australia 3(2):98-99f

Morganite, see Beryl variety morganite

Morinite

Cleveland mine, Luina, Tasmania 2(1):39f, W

Tom's quarry, Kapunda, South Australia 17(1): 10f, 23, 23f

Mordenite

Lake Taupo, New Zealand 19(2):37, 36f, 37f

Mosesite

Clear Creek claim, New Idria, San Benito County, California, USA 3(2):131W

Mottramite

Broken Hill, New South Wales 14(2):61f

Iron Monarch, South Australia 6(1):16-17f; 24(2):50f

Kintore opencut, Broken Hill, New South Wales 3(1):66

Monakoff mine, near Cloncurry, Queensland 18(2):56W, 56f

Penny West gold mine, Youanmi, Western Australia 18(1):28

Northampton, Western Australia 18(1):44

Shangri La mine, Kimberley, Western Australia 16(1):21SEM, 23f

Wet Weather quarry, Crestmore, Riverside County, California, USA 4(1):42W

Motukoreaite

Browns Island, Waitemata Harbour, Auckland, New Zealand 19(2):32

Mountkeithite

Dundas, Tasmania 12(2):104f

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):67,68f

Mt Keith Ni-deposit, Western Australia 6(2):119

Mrázekite

Morass Creek, Benambra, Victoria 1(2):36f

Mullite

Eddy Creek quarry, Weld River, Tasmania 18(1):65W

Mundrabbillaite

Petrogale Cave, near Madura, Eucla, Western Australia 6(2):119

Murchisite

Murchison CM2 meteorite, Murchison, Victoria 21(2):51

Murdochite

Whim Creek mine, Western Australia 4(1):20

Muscovite

Blue Hill quarry, Oberon, New South Wales 10(2):48f, 49

Harts Ranges, Central Australia 19(1):45-49

Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):19, 18f

Mount Lyell mines, Tasmania 21(2):27, 30f

Olary Block, South Australia 9(2):92-93f, 94a

Sumire, Hunza, Pakistan 1(2):29fW; 11(1):5f

Tom's and Moculta quarries, Kapunda, South Australia 17(1):29

Muscovite variety fuchsite

Dundas, Tasmania 12(2):83

Muscovite, vanadian

Kintore opencut, Broken Hill, New South Wales 3(1):31,33f

Musgravite

Musgrave Ranges, South Australia 6(2):119

Nadorite

Pinnacles mine dumps, Broken Hill, New South Wales 5(2):87W

Nagyagite

Vatukoula gold mines, Viti Levu, Fiji 7(2):70

Namansilite

Wood's mine, near Bendemeer, New South Wales 4(2):104f

Nambulite

Wood's mine, near Bendemeer, New South Wales 4(2):104f; 15:18-19a

Namibite

Iron Monarch mine, South Australia 24(2):46f, 50f, 51f

Namuwite

Broken Hill, New South Wales 3(1):81f, 82

Nantokite

Great Australia mine, Cloncurry, Queensland 4(1):40W; 5(2):77-81f

Magpie mine, Queensland 4(1):40W

Mt Browne copper deposit, Coffs Harbour, New South Wales 7(2):46

Wewak mine, Queensland 4(1):40W

Narsarsukite

Crater Bay, Mayor (Tuhua) Island, New Zealand 8(1):41W

Natroalunite

Mount Lyell mines, Tasmania 21(2):30f

Natrodufrénite

Kintore opencut, Broken Hill, New South Wales 3(1):50

Lake Boga, Victoria 2(2):48-49f, 50a

Mt Bull, Olary Block, South Australia 3(2):114-115,116-117f, 118a

Mt Oxide, Queensland 2(1):7-9f, 10a

Peryhumuck mine, Olary Block, South Australia 3(2):114-115,118a

Pinnacles mine dumps, Broken Hill, New South Wales 4(1):40W

Rixon's sandstone quarry, Campbells Creek, Victoria 13(2):65-70af

Natrodufrénite-Dufrénite

South Australian phosphate deposits 17(1): 10f, 23-24,24f

Natrojarosite

Iron Monarch, South Australia 6(1):17

Mount Moliagul, Victoria 21(1):43

Mt Cobalt, Queensland 1(2):22a

Mt Malvern mine near Clarendon, South Australia 5(1):13f

Peryhumuck mine, Olary Block, South Australia 3(2):117f

Tom's quarry, Kapunda, South Australia 17(1):29

Natrojarosite-jarosite

Block 14 opencut, Broken Hill, New South Wales 3(1):43

Kintore opencut, Broken Hill, New South Wales 3(1):43

Natrolite

Abbotsford and Bundoora, Victoria 20(1):44, 44f, 45f, 46f
Ardglen, New South Wales 6(1):37-39af
Awatere Valley, New Zealand 8(1):41W
Ben Lomond quarry, New South Wales 4(2):127-128f
Ben Lomond railway cutting, New South Wales 4(2):124
Bonney's quarry, South Burnie, Tasmania 10(2):66
Cape Grim, Tasmania 10(2):66f
The Caves, Swan Vale, New South Wales 4(2):130
Elsmore-Newstead Junction shaft, Elsmore, New South Wales 4(2):129
Flat Topped Bluff, Tasmania 10(2):63a, 66f
"Haystack", Shannon Tier, north of Bothwell, Tasmania 7(1):37W
Krui Valley, Merriwa, New South Wales 8(2):62a, 65-66
Little Deer Park, County Antrim, Ireland 11(1):19f
MacIntyre River, Elsmore, New South Wales 4(2):129
Marawah, Tasmania 10(2):66f
Middlesex Plains, Tasmania 10(2):66
The Nut, Stanley, Tasmania 10(2):66f
Pheasant Creek road-cutting, Barrington Tops, New South Wales 8(1):7
Prehnite deposit, Mullaley, New South Wales 15:8f, 9
Redpa, Tasmania 10(2):63a, 66
Swan Vale, New South Wales 4(2):130
Table Cape, near Wynyard, Tasmania 10(2):66
Wellingrove, near Glen Innes, New South Wales 4(2):130

Natromarkeyite

Markey mine, Utah, USA 20(1):60f

Natronambulite

Woods mine, New South Wales 15:18-19a

Natrowalentaite

Griffins Find gold deposit, Western Australia 20(1):7-15, 6f, 11a, 12XRD, 67W; 21(2):51, 52f

Neotocite

Woods mine, New South Wales 15:13,14a, 15-16f

Nepheline

Waitakere Ranges, North Island, New Zealand 19(2):21-25

Nephrite jade, see Actinolite**Nesquehonite**

Buckland mine, Mangana, Tasmania 9(1):48W

Newberyite

Skipton Caves, Victoria 6(2):119f

Niccolite

Bismuth, Torrington area, New South Wales 4(2):96f

Nickelblödite

Carr Boyd Rocks Ni-mine, Goongarrie, Western Australia 6(2):119

Durkin mine, Kambalda, Western Australia 6(2):119

Nickeline

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):63

Nigerite-24R

Mt Garnet, Queensland 6(2):120

Niobaeschynite-(Ce)

Aries kimberlite, Kimberley Region, Western Australia 24(2):17, 17f, 23f;

Nissonite

Iron Monarch, South Australia 6(1):17f; 24(2):51f

Niter

Jenolan Caves, New South Wales 5(1):47W

Noélbensonite

Wood's mine, near Bendemeer, New South Wales 4(2):104; 6(2):120

Noonkanbahite

Walgidee Hills, Kimberley Region, Western Australia 24(2):17, 23f;

Nontronite

Iron Monarch, South Australia 6(1):17

Northparkes, New South Wales 4(1):7

Paddys River Valley, Australian Capital Territory 22(1):39, 34f

Nordgauite

Hagendorf Süd pegmatite, Bavaria 19(1):8, 9f, 10XRD

Norrishite

Hoskins mine, Grenfell, New South Wales 6(2):119f, 120

Nullagine

Otway Ni-deposit, Nullagine, Pilbara, Western Australia 6(2):119f, 120

Nyholmite

Barbara mine, Coolgardie, Western Australia 14(2):59

Block 14 opencut, Broken Hill, New South Wales 16(1):49w, 49SEM; 21(2):52, 52f

Offrétite, see also Chabazite/offrétite

Offrétite

Ben Lomond quarry, New South Wales 4(2):129

Borambil, New South Wales 2(1):14-16f, 20a

Krui Valley, Merriwa, New South Wales 8(2):62a, 65-66f

Willy Wally Gully near Merriwa, New South Wales 16(2):82f, 83, 83f

Okenite

Aranga quarry Northland, New Zealand 19(2):8; 21(2):78

Perseverance nickel mine (formerly Agnew deposit), Western Australia 11(1):25-26f

Olivinite see also Adamite-olivinite

Bali Lo prospect, Ashburton Downs, Western Australia 13(1):34-37f

Desolation prospect, Mount Isa Block, Queensland 17(2):85f, 86

Mt Cobalt, Queensland 1(2):21f, 22a, 23

Mt Malvern mine near Clarendon, South Australia 5(1):13

Mt Oxide, Queensland 2(1):9, 10a

New Cobar mine, Cobar, New South Wales 11(2):80

Telfer gold mine, Western Australia 12(1):35f, 39

Ting Tang mine, Gwennap, Cornwall, England 3(2):129W

Olivine

Archean Cratons, Western Australia 19(2):39-42

“Haystack”, Shannon Tier, north of Bothwell, Tasmania 7(1):37W

Maran, Kangan Valley, Manshera District, Pakistan 1(1):34W

Tumut Serpentinite Province, New South Wales 7(1):6, 8

Opal

Bendalong Point, Bendalong, New South Wales 7(2):52-53f

Coober Pedy, South Australia 6(2):68f, 17(2):59f

Flaxman’s Valley, South Australia 21(1):23f

Goanna Patch alluvial mining area, Western Australia 15:59

Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 27, 29f, 31f

Penny West gold mine, Youanmi, Western Australia 18(1):28

Pitt’s mine, Weabonga, New South Wales 4(2):104-105

Rollinsons quarry, near Malmsbury, Victoria 16(2):100

Welo, Ethiopia 21(1):47f

Williams opal mine, Coolgardie, Western Australia 6(2):96f

Opal variety hyalite

Bundoora, Victoria 20(1):46; 21(1):61f

Colac quarry, Colac Otway Shire, Victoria 23(1):41f,

Day Dream mine, Silverton, New South Wales 3(2):107, 108f

Kintore opencut, Broken Hill, New South Wales 3(1):31

Miners Rest quarry, Ballarat, Victoria 23(1):41f, 42f

Mt Mary mine, Coolac Serpentinite Belt, New South Wales 7(1):10, 11f

Mt Stewart mine, Leadville, New South Wales 5(1):37

No.2 workings, Mt Painter, South Australia 9(1):24

Prehnite deposit, Mullaley, New South Wales 15:9f
Squarotop Mountain, Toowoomba, Queensland 16(1):43f
Tumut Serpentinite Province, New South Wales 7(1):6
Wave Hill area, Northern Territory 9(2):75

Ophirite

Ophir Hill Consolidated mine, Ophir District, Tooe County, Utah 22(2):41, 41f

Orthochrysotile

Lucknow, near Orange, New South Wales 6(1):27

Orthoclase

Broken Hill, New South Wales 20(2):45-46W, 46f, 47f
Tom's quarry, Kapunda, South Australia 17(1):29
Zomba, Malawi 2(2):79fW

Orthoclase variety adularia

Vatukoula gold mines, Viti Levu, Fiji 7(2):71

Orthoserpierite

Mt Malvern mine near Clarendon, South Australia 5(1):11f, 13

Osarizawaite

Iodide mine, Mineral Hill field, New South Wales 11(2):113-114f
Shangri La mine, Kimberley, Western Australia 16(1):22SEM

Osmium, iridian

Aberfoyle River, New South Wales 4(2):99

Otavite

Block 14 opencut, Broken Hill, New South Wales 3(1):38, 40f
Devons Cut, Braeside lead field, Pilbara, Western Australia 13(2):60SEM
Shangri La mine, Kimberley, Western Australia 16(1):22-23SEMf

Otwayite

Otway Ni-deposit, Nullagine, Pilbara, Western Australia 6(2):120

Owyheite

Wongabah mine, Rivertree, New South Wales 4(2):96f

Oxy-foitite

Cooma, New South Wales 18(1):66W; 21(2):52

Oxo-mangani-leakeite

Hoskins mine, New South Wales 18(1):66W; 21(2):52

Oxyplumboroméite

Adelaide Mine, Dundas 22(1):53, 55f

Oyelite

N'Chwaning II mine, Kalahari manganese field, South Africa 8(1):43W

Paceite

Potosi mine, Broken Hill, New South Wales 8(2):80-81fW; 21(2):53

Paddlewheelite

Svornost mine, Czech Republic 20(1):60f

Palladium

Tumut Serpentinite Province, New South Wales 7(1):6, 8

Palladium-copper alloys

Mulga Springs, Broken Hill district, New South Wales 4(1):36

Palladium-tellurium-bismuth alloys

Little Darling Creek, Broken Hill district, New South Wales 4(1):36

Mulga Springs, Broken Hill district, New South Wales 4(1):36

Round Hill, Broken Hill district, New South Wales 4(1):36

Palladium-tellurium-mercury alloy

Mulga Springs, Broken Hill district, New South Wales 4(1):36

Paolovite

Little Darling Creek, Broken Hill district, New South Wales 4(1):36

Paradocrasite

Consols Lode, Broken Hill, New South Wales 6(2):120

Paragonite

Mount Lyell mines, Tasmania 21(2):30f

Paraotwayite

Otway Ni-deposit, Nullagine, Pilbara, Western Australia 6(2):120, 122f

Paratacamite

Great Australia mine, Cloncurry, Queensland 4(1):40W

Iron Monarch, South Australia 6(1):17-18

Kintore opencut, Broken Hill, New South Wales 3(1):35

Magpie mine, Queensland 4(1):40W

Mt Gunson, South Australia 2(1):41W

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W

Wewak mine, Queensland 4(1):40W

Paratacamite-(Ni)

Carr Boyd Rocks mine, Western Australia 17(1):39, 40, 40f, 41, 41XRD, 42, 43, 44; 21(2):53, 53f

Paratooite-(La)

Paratoo copper mine, South Australia 12(1):44fW; 21(2):53, 53f

Pargasite

Deposit 36, Wambidgee Serpentinite Belt, New South Wales 7(1):8f

Tumut Serpentinite Province, New South Wales 7(1):6, 8

Parisite

Trimouns Quarry, Luzenac, France 3(2):129W

Zomba Plateau, Malawi 4(1):42W

Parisite-(La)

Mula mine, Bahia, Brazil 20(1):60f

Parnauite

Ting Tang mine, Gwennap, Cornwall, England 3(2):129W

Parwanite

Parwan, 5 km southeast of Bacchus-Marsh, Victoria 13(1):23-30; 21(2):53, 53f, 80

Paulingite

Hukatere Peninsular, east of Kaipara Harbour 24(2):42, 42f, 43f

Paulscherrerite

Number 2 workings, Radium Ridge, Mt Painter near Arkaroola, South Australia 16(1):49W

Parwan, Victoria 13(1):23-30afXRD; 21(2):54, 54f

Pecoraite

Wolf Creek Meteorite – Wolf Creek Crater, Western Australia 6(2):128

Pectolite

N'Chwaning II mine, Kalahari manganese field, South Africa 7(1):40-41fW

Peisleyite

Tom's Quarry, Kapunda, South Australia 6(2):120, 121f; 17(1):10f, 24; 23(1):5, 13

Pekoite

Juno, Tennant Creek, Northern Territory 6(2):121

Pennantite (?)

Iron Monarch, South Australia 6(1):18

Penriceite

Penrice marble quarry, South Australia 23(1):5-11, 13, 14, 15f, 16, 17a, 18f, 19, 24

Pentlandite

Mount Lyell mines, Tasmania 21(2):30f

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):61a, 63f

Mt Keith mine, Western Australia 7(2):83fW; 11(1):6f

Tumut Serpentinite Province, New South Wales 7(1):6, 9

Perhamite

Moculta (Klemm's) phosphate quarry, South Australia 9(1):43-44f

Penrice quarry, Angaston, South Australia 9(1):45f

South Australian phosphate deposits 17(1):10f, 24, 24-25f

Tom's quarry, Kapunda, South Australia 9(1):44f

Periclase

Gamsberg, Namibia 5(2):91W

Peridot, see **Forsterite**

Perite

Homeward Bound mine, Olary, South Australia 6(1):42W; 9(2):88XRD, 89f

Perloffite

Spring Creek mine, Wilmington, South Australia 2(2):65f, 67, 68f

Perovskite

“Haystack”, Shannon Tier, north of Bothwell, Tasmania 7(1):37W

Kimberley Region, Western Australia 24(2):17, 18f, 23f;

Perroudite

Broken Hill, New South Wales 3(1):74

Petalite

Coolgardie pegmatite field, Western Australia 3(2):98-100

Peterbaylissite

Clear Creek claim, New Idria, San Benito County, California, USA 3(2):131W

Petterdite

Red Lead mine, Dundas, Tasmania 6(2):121, 122f; 12(2):82a, 83, 85f

Petzite

Goanna Patch alluvial mining area, Western Australia 15:59

Mount Lyell mines, Tasmania 21(2):30f

The Golden Mile 18(1):13

Western Australia 24(1):8, 9f, 22

Pharmacolite

Lionsville, New South Wales 4(2):99

Solfarino, New South Wales 4(2):99

Pharmacosiderite

Elsmore, New South Wales 7(1):15; 8(2):57f, 58

Kintore opencut, Broken Hill, New South Wales 3(1):62,65f

Magnet mine, Tasmania 1(1):13

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W

Ting Tang mine, Gwennap, Cornwall, England 3(2):129W

Twin Trees mine, Humboldt County, Nevada, USA 2(2):78W

Philipsbornite

Adelaide Mine, Dundas 22(1):53, 55f

Block 14 opencut, Broken Hill, New South Wales 3(1):62f

Kintore opencut, Broken Hill, New South Wales 3(1):62

Proprietary mine, Dundas, Tasmania 6(2):121

Red Lead mine, Dundas, Tasmania 12(2):84a, 85f

New Cobar mine, Cobar, New South Wales 11(2):78

Phillipsite

Bell Mount, Tasmania 10(2):67

Ben Lomond quarry, New South Wales 4(2):127-129f

Borambil, New South Wales 2(1):15f, 20a

Cape Grim, Tasmania 10(2):67

Daylesford, Victoria 1(2):13-14f, 15a

Don Hill, Tasmania 10(2):68f

Fixters Creek, Brittons Swamp, Tasmania 10(2):67

Gads Hill, Tasmania 10(2):67

Guildford, Tasmania 10(2):67

“Haystack”, Shannon Tier, north of Bothwell, Tasmania 7(1):37W

Hellyer River Bridge, Ridgley-Waratah Road, Tasmania 10(2):67

Lake Taupo, New Zealand 19(2):37

Maggs Mountain, Tasmania 10(2):67

Marys ‘Island’, near Cape Guyot Point, Robbins Island, Tasmania 10(2):67

Penguin, Tasmania 10(2):67

Redpa, Tasmania 10(2):67

Ridgley, Tasmania 10(2):67

Robbins Island, Tasmania 10(2):67

Sheffield, Tasmania 10(2):67

Phillipsite-Ca

Cassidy's Creek, Boat Harbour, Tasmania, 10(2):67a
Gads Hill, Tasmania 10(2):67
Guildford, Tasmania 10(2):67
Hellyer River Bridge, Ridgley-Waratah Road, Tasmania 10(2):67a
Krui Valley, Merriwa, New South Wales 8(2):62a, 66f
Maggs Mountain, Tasmania 10(2):67af
Redpa, Tasmania 10(2):67
Rollinsons quarry, near Malmsbury, Victoria 16(2):100
Willy Wally Gully near Merriwa, New South Wales 16(2):83, 84, 84f

Phillipsite-K

Hargraves quarry, Oberon, New South Wales 8(1):29-32af
Kulnura quarry, Central Coast, New South Wales 21(1):7-17, 10f, 11f, 12f, 13a, 16f, 16a
Pheasant Creek road-cutting, Barrington Tops, New South Wales 8(1):5f, 7a

Phillipsite-Na

Abbotsford and Bundoora, Victoria 20(1):46, 48f, 49f
Ardglen, New South Wales 6(1):35-39af
Kulnura quarry, Central Coast, New South Wales 21(1):7-17, 10f, 11f, 12f, 13a, 16f, 16a

Phlogopite

Harts Ranges, Central Australia 19(1):45
Hohenfels, near Otjiwarongo, Namibia 4(1):42W

Phlogopite, ferroan, titanian

The Anakies volcanoes, Victoria 21(1):32, 35a, 36f

Phoenicochroite

Dundas, Tasmania 12(2):84-85d
Magnet mine, Waratah, Tasmania 12(2):84-85d

Phosgenite

Adelaide mine, Dundas, Tasmania 12(2):85
Comet mine, Dundas, Tasmania 12(2):85f
Day Dream mine, Silverton, New South Wales 3(2):107
Magnet mine, Tasmania 1(1):13; 12(2):85
Mt Malvern mine, Adelaide Hills, South Australia 4(1):40W; 5(1):13

Phosphammite

Earles Find, Toppin Hill, Western Australia 6(2):121

Phosphofibrite

Gold Quarry mine, Eureka County, Nevada, USA 2(2):78W
Silver Coin mine, Humboldt County, Nevada, USA 2(2):78W

Phosphohedyphane

Cave Hill quarry, Lilydale, Victoria 13(2):73-82afXRD

Phosphophyllite

Hagendorf Süd pegmatite, Bavaria 19(1):9, 9f

Phosphosiderite

Tom's quarry, Kapunda, South Australia 17(1): 10f, 25, 25f

Phosphuranylite

No.6 workings, Mt Painter, South Australia 9(1):29

Phoxite

Rowley mine, Arizona, USA 20(1):60f

Phurcalite

Monakoff mine, Cloncurry, Queensland 9(1):48fW

Pickeringite, see also Halotrichite-pickeringite**Picropharmacolite**

Getchell mine, Humboldt County, Nevada, USA 2(2):78W

Pittongite

Pittong, Victoria 14(2):62W; 21(2):54, 54f, 80

Plancheite

Tsumeb mine, Tsumeb, Namibia 21(1):47f

Platinum

Aberfoyle River, New South Wales 4(2):99

Coco, Columbia 1(1):34W

Russia 1(1):34W

Platinum alloys

Little Darling Creek, Broken Hill district, New South Wales 4(1):36,37f

Mulga Springs, Broken Hill district, New South Wales 4(1):36,37f

Round Hill, Broken Hill district, New South Wales 4(1):36

Platinum group minerals

Bingara, New South Wales 4(2):99

Plattnerite

Braeside lead field, Pilbara, Western Australia 13(2):60;

Plimerite

Block 14 opencut, Broken Hill, New South Wales 16(1):47W; 21(2):54, 55f

Plombièreite

Eddy Creek quarry, Weld River, Tasmania 18(1):65W

Commercial Quarry, Crestmore, Riverside County, California, USA 4(1):42W

Plumbogummite

Hercules mine, near Rosebery, Tasmania 5(1):47W

Kintore opencut, Broken Hill, New South Wales 3(1):50f

New Cobar mine, Cobar, New South Wales 11(2):78

Nifty copper mine, Western Australia 8(2):51

Parwan, 5 km southeast of Bacchus-Marsh, Victoria 21(2):80

Penberthy Croft mine, Cornwall, England 1(1):30W

Roughton Gill, Caldbeck Fells, England 1(1):30W

Plumbojarosite

Broken Hill, New South Wales 3(1):82f

Hall's Peak deposit, near Armidale, New South Wales 4(2):113

Iodide mine, Mineral Hill field, New South Wales 11(2):114

Iron Monarch, South Australia 6(1):18

Kintore opencut, Broken Hill, New South Wales 3(1):43

Magnet mine, Tasmania 1(1):14

Moxom Well, Braeside lead field, Pilbara, Western Australia 13(2):60

Mt Malvern mine near Clarendon, South Australia 5(1):13,14f

Penny West gold mine, Youanmi, Western Australia 18(1):28

Red Terror mine, Mineral Hill field, New South Wales 11(2):114f

Shangri La mine, Kimberley, Western Australia 16(1):22

Plumboperloffite

Wiperaminga Hill West quarry, Boolcoomatta Reserve, South Australia 21(2):55, 55f

Poldervaartite

N'Chwaning II mine, Kalahari manganese field, South Africa 8(1):42-43fW; 11(1):41W

Wessels mine, Kalahari, South Africa 2(1):32W

Polydymite

Tumut Serpentinite Province, New South Wales 7(1):6, 8, 9a

Portlandite

Lake Boga, Victoria 2(1):41W; 2(2):47

Posnjakite

Broken Hill, New South Wales 3(1):82f

Colebrook Hill, Tasmania 5(2):87W

Hercules mine, near Rosebery, Tasmania 4(1):40W

Mt Malvern mine near Clarendon, South Australia 5(1):14

Murrays Reward mine, Balfour, Tasmania 5(2):87W

Potassic-richterite

Kimberley Region, Western Australia 24(2):18, 19f, 20, 23f;

Potassic-fluoro-richterite

Kimberley Region, Western Australia 24(2):18, 19f, 20, 23f;

Powellite

Attunga mine, near Bendemeer, New South Wales 4(2):113

Dundee, Victoria 21(1):62f

Elsmore, New South Wales 7(1):15; 8(2); 57f, 58

Kingsgate, New South Wales 4(2):82, 112f

Mount Moliagul, Victoria 18(2):54W; 21(1):45

Prehnite

Albion Park, New South Wales 19(1):41, 42f

Avebury mine, near Zeehan, Tasmania 13(1):50fW

Gladsome mine, Comet Vale, Western Australia 12(1):20

Happy Jack mine, Comet Vale, Western Australia 12(1):17

Kanahooka, Illawarra district, New South Wales 2(2):72f, 73,74a

N'Chwaning II mine, Kalahari manganese field, South Africa 7(1):40-41fW

No.6 Bore, Wave Hill Station, Kalkarindji, Northern Territory 9(2):74-77f

Prehnite deposit, Mullaley, New South Wales 15:3-11f

The Vugh, Sand Queen mine, Comet Vale, Western Australia 12(1):20f

Tumut Serpentinite Province, New South Wales 7(1):6, 9

Priderite

Kimberley district, Western Australia 1(2):4; 24(1):20, 20f, 21f;

Walgidee Hills, Kimberley, Western Australia 6(2):121

Proudite

Juno mine, Tennant Creek, Northern Territory 6(2):121

Proustite**Pseudobolite**

Mammoth-St Anthony mine, Tiger, Arizona, USA 7(2):46f

Magnet mine, Tasmania 1(1):14

Pseudobrookite

Anakies volcanoes, Victoria 21(1):27-38, 29a, 29f, 30f, 31f, 32f, 33f; 23(1):42f

Pseudomalachite

Block 14 opencut, Broken Hill, New South Wales 3(1):50

Burra Burra mine, South Australia 21(1):22f

Cargo, New South Wales 10(2):79W

Crusader mine, north-west Queensland 8(2):73f

Desolation prospect, Mount Isa Block, Queensland 17(2):85f, 86

E26 orebody, Northparkes, New South Wales 10(2):55,56f

Girilambone copper deposits, New South Wales 11(2):92f, 97,98f

Great Australia mine, Queensland 1(1):27

Horseshoe deposit, Duck Creek area, Queensland 3(2):125W

Iron Monarch mine, South Australia 24(2):52f

Kintore opencut, Broken Hill, New South Wales 3(1):50

Mount Glorious mine, Cloncurry, northwest Queensland 23(1):37

Mt Oxide, Queensland 2(1):9

New Dollar deposit, Duck Creek area, Queensland 3(2):125W

Nifty copper mine, Western Australia 8(2):51,52f

Northparkes, New South Wales 4(1):4-5f

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W

Ranger No.1 deposit, Jabiru, Northern Territory 5(1):23

Sandy Flat pipe, Redbank, Northern Territory 6(1):6-7f

Spring Creek mine, Wilmington, South Australia 2(2):67,68f

West Bogan mine, Collerina Hall, New South Wales 11(2):117f, 118

Whim Creek mine, Western Australia 4(1):20,21f

Pseudomalachite-cornwallite

Desolation prospect, Cloncurry, Queensland 7(2):47f

Pseudomarkeyite

Markey mine, Utah, USA 20(1):60f

Pseudorutile

South Neptune Island, South Australia 6(2):122

Psilomelane see also ***Manganese oxides***

Whim Creek mine, Western Australia 4(1):20

Pucherite

Sand Prince mine, Comet Vale, Western Australia 12(1):20f, 21

Putnisite

Halls Knoll gossan, Polar Bear peninsula, Western Australia 21(2):55, 55f

Puttapaite

Beltana mine, Puttapa, Flinders Ranges, South Australia 21(2):56, 56f

Pyrargyrite

Magnet mine, Tasmania 1(1):14

Pyrite

Allandale, Hunter Valley, New South Wales 18(2):34, 34f, 35f

Almanda mine, Cherry Gardens, South Australia 18(1):56, 56f

Blue Hill quarry, Oberon, New South Wales 10(2):49f

Broken Hill, New South Wales 8(2):45f, 82

Bullengarook slate quarry, Victoria 21(1): 50f

Bundoora, Victoria 20(1):46

Bungendore Creek mine, Niangala, New South Wales 4(2):105

Cleveland mine, Luina, Tasmania 6(2):72f

CSA mine, Cobar, New South Wales 3(2):126W; 11(2):73f

Desolation prospect, Mount Isa Block, Queensland 17(2):84a

Dunstan Collection 20(1):24f

Elandsrand gold mine, Witwatersrand, South Africa 4(1):42W

Getchell mine, Humboldt County, Nevada, USA 2(2):78W

Girilambone copper deposits, New South Wales 11(2):94f

Goongewa mine, Fitzroy Crossing, Western Australia 2(2):76W

Jamieson mercury deposit, Victoria 9(1):35, 36

Kurilla mine, Kadina, South Australia 17(2):65f

Lake Cooper quarry, Corop, Victoria 21(1):55f

Lucknow, near Orange, New South Wales 6(1):30

Magnet mine, Tasmania 1(1):14

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):63,64f

Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 22f, 27,

Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):20, 18f

Mount Lyell mines, Tasmania 21(2):27, 30f

Mount Moliagul, Victoria 21(1):43,

Mt Elliott mine, Mt Isa, Queensland 5(2):87-88fW

Mt Malvern mine near Clarendon, South Australia 5(1):14

Mt Stewart mine, Leadville, New South Wales 5(1):31-32

Mulla Mulla Creek prospect, New South Wales 4(2):105

N'Chwaning II mine, Kalahari manganese field, South Africa 7(1):41W

North mine, Broken Hill, New South Wales 3(1):18f

Northampton, Western Australia 18(1):44

Paddys River Valley, Australian Capital Territory 22(1):37, 34f, 36f,

Penny West gold mine, Youanmi, Western Australia 18(1):27

Prehnite deposit, Mullaley, New South Wales 15:9f

Renison Bell, Tasmania 2(1):39W; 6(2):73f

Sand Queen mine, Comet Vale, Western Australia 12(1):21

Sandy Flat pipe, Redbank, Northern Territory 6(1):5

Serbia 7(1):21f

Sparta, Illinois, USA 9(1):5,7f

Spring Creek mine, Wilmington, South Australia 2(2):67

Sunny Corner, New South Wales 17(1):46, 47, 47f

Sydney area, New South Wales 8(1):39

Vatukoula gold mines, Viti Levu, Fiji 7(2):66,68f

Wallaroo mines, Kadina, South Australia 17(2):79f

Wood's mine, New South Wales 4(2):105

Woodlawn mine, New South Wales 21(1):52f

Pyroaurite see also **Iowaite-pyroaurite series**

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):65f, 66

Pyrobitumen

Sandy Flat pipe, Redbank, Northern Territory 6(1):5-7f

Manuka Zn-Pb-Ag deposits, Cobar Basin, New South Wales 18(2):10, 20f

Pyrochlore

Barbara mine, Coolgardie, Western Australia 14(2):59

Tomahawk River, north of Scottsdale, Tasmania 9(1):48W

Pyrolusite

Day Dream mine, Silverton, New South Wales 3(2):107, 109f

Emperor mine, Vatukoula, Viti Levu, Fiji 7(2):67f

Iron Monarch, South Australia 2(1):23f

Magnet mine, Tasmania 1(1):14; 12(2):85

New England region, New South Wales 4(2):103

Paddys River Valley, Australian Capital Territory 22(1):42, 34f

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W

Platt's Prospect, Dundas, Tasmania 12(2):85 Spring Creek mine, Wilmington, South Australia 2(2):67

Red Lead mine, Dundas, Tasmania 12(2):85f

Sydney area, New South Wales 8(1):39

Pyromorphite

Block Nine mine, Mineral Hill field, New South Wales 11(2):114

Block 14 opencut, Broken Hill, New South Wales 3(1):50-51, 52f, 56f; 7(1):20,21f

Braeside lead field, Pilbara, Western Australia 13(2):60-62SEM

Broken Hill, New South Wales 3(1):12f; 7(1):22f; 16(2):105f

Brown's Prospect, Rum Jungle, Northern Territory 6(2):89f

Bunker Hill, Kellogg, Idaho, USA 1(1):34W; 1(2):31W; 16(1):42f

Comet mine, Dundas, Tasmania 12(2):86,87f

Cumberland, England 6(2):52f

Daoping mine, Yangshu, Guangxi Province, China 7(2):87f

Day Dream mine, Silverton, New South Wales 3(2):107, 109f

Grubenrevier Ramsbeck, Sauerland, Germany 3(2):129W

Hercules mine, near Rosebery, Tasmania 4(1):40W; 5(1):47W

Hunan Province, China 9(1):48W

Iodide mine, Mineral Hill field, New South Wales 11(2):114

Iron Monarch, South Australia 6(1):18

Jersey vein, Bunker Hill mine, Kellogg, Shoshone County, Idaho, USA 7(2):87f

Kapi mine, Dundas, Tasmania 12(2):86

Kintore opencut, Broken Hill, New South Wales 3(1):50-51,53f

Kosminsky mine, Dundas, Tasmania 12(2):74f, 86, 87f

Magnet mine, Tasmania 1(1):14

MMM Ltd mine, Broken Hill, New South Wales 3(1):19f

Mt Malvern mine near Clarendon, South Australia 5(1):14

Mt Stewart mine, Leadville, New South Wales 5(1):34-35f, 37-38

North mine opencut, Broken Hill, New South Wales 3(1):73f

Northampton, Western Australia 18(1):44, 47f

Penberthy Croft mine, Cornwall, England 1(1):30W

Penny West gold mine, Youanmi, Western Australia 18(1):28, 29

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W; 5(1):46W; 5(2):87W

Platt's Prospect, Dundas, Tasmania 12(2):74f, 86, 87f

Ptschelohjad mine, Kordzali, Bulgaria 3(2):129W

Rosignol vein, Chaillac, France 3(2):129W

Silent Grove, Torrington, New South Wales 4(2):113f

Triako Eastern pit, Mineral Hill field, New South Wales 11(2):114-115f

West Comet mine, Dundas, Tasmania 12(2):82f

Whim Creek mine, Western Australia 4(1):20, 21f, 24f; 6(2):99f

Yangshou, Guangxi Province, China 11(1):38W

Zeehan Queen area, Tasmania 10(2):80W

Pyrope

Bow Hill, near Oatlands, Tasmania 5(1):47W

Cradle Mountain, Tasmania 5(1):47W

Guyra, New South Wales 4(2):119

Pyrope-almandine

Horse Gully, near Inverell, New South Wales 4(2):119

Ruby Hill, New South Wales 4(2):119

Pyrophanite

Rosebery mine, Tasmania 21(1):69W

Pyrophyllite

Mount Lyell mines, Tasmania 21(2):27, 30f

Peak Hill gold mine, New South Wales 15:49f

Pyrosmalite

Broken Hill, New South Wales 6(2):77f; 16(2):103f

Pyroxene

Archean Cratons, Western Australia 19(2):39-42

Pyroxmangite

Den mine, New South Wales 4(2):105

NBHC mine, Broken Hill, New South Wales 3(1):19f; 6(2):77f

Roseneath mine, New South Wales 4(2):105

Tarwonga deposit, New South Wales 4(2):105

Wood's mine, New South Wales 4(2):105

Pyrrhotite

Elandsrand gold mine, Witwatersrand, South Africa 4(1):42W

Emperor mine, Vatukoula, Viti Levu, Fiji 7(2):66

Lucknow, near Orange, New South Wales 6(1):30

Mount Lyell mines, Tasmania 21(2):30f

Paddys River Valley, Australian Capital Territory 22(1):37, 36f

Sandy Flat pipe, Redbank, Northern Territory 6(1):5

Quartz

Allandale, Hunter Valley, New South Wales 18(2):34, 35f

Allies mine, Deepwater, New South Wales 4(2):83f

Almanda mine, Cherry Gardens, South Australia 18(1):56, 58f

Alone Hand mine, Duck Creek, Cloncurry, Queensland 4(1):9f

Awatere Valley, New Zealand 8(1):41W

Barbara mine, Coolgardie, Western Australia 14(2):59

Blue Hill quarry, Oberon, New South Wales 10(2):48f, 49, 50-51f

Bombo, New South Wales 7(1):25f

Brandberg, Namibia 2(2):79W; 4(1):42W

Catamarca Province, Argentina 16(1):42f

Cath-Ida mine, The Gulf, Emmaville 5(1):46fW

Cave Hill quarry, Lilydale, Victoria 13(2):75f

Cleveland mine, Luina, Tasmania 7(1):37W

Cliff workings, Red Rock field, Drake Goldfield, NSW 24(2):33f, 39

Cobar District, New South Wales 19(2):51-52, 51f, 52f

Cow Flat, Torrington, New South Wales 4(2):97f

Crystal King mine, Tallangalook, Victoria 6(2):85f, 87

CSA mine, Cobar, New South Wales 11(2):74f

Cumberland, England 16(1):10f

Curnow's tin mine, Torrington, New South Wales 4(2):95f, 98

Day Dream mine, Silverton, New South Wales 3(2):107

Dundas Extended mine, Dundas, Tasmania 2(1):39W

Elandsrand gold mine, Witwatersrand, South Africa 4(1):42W

Eldorado, Victoria 16(1):30-31

Elsmore, New South Wales 7(2):84fW; 9(2):98f

Emmaville, New South Wales 4(2):97f

Erongo Mountain, Namibia 14(1):47f
Florence mine, Cumbria, England 6(2):72f
Giants Den, near Bendemeer, New South Wales 4(2):118
Gladsome mine, Comet Vale, Western Australia 12(1):21
Glendowda Station, Tambar Springs, New South Wales 2(1):2f
Goanna Patch alluvial mining area, Western Australia 15:59
The Gulf, Emmaville, New South Wales 4(2):71f, 97
Happy Jack mine, Comet Vale, Western Australia 12(1):15f, 17
Harts mine, Torrington, New South Wales 4(2):95f, 98, 118
Harlequin Pocket, Inverell, New South Wales 18(1):66W, 66f
Iron Monarch, South Australia 2(1):21f, 23f; 6(1):21f; 6(2):69f
Jinkouhe Shan, Sichuan Province, China 9(1):5f
King Conrad mine, Howell, New South Wales 4(2):95f, 98
Kingsgate, New South Wales 4(2):97, 118; 5(2):87fW; 7(2):86f; 9(2):82f; 14(1):21f
KwaNdebele, Mpumalanga Province, South Africa 9(1):46fW, 49
Lake Taupo, New Zealand 19(2):35-37, 36f
Magnet mine, Tasmania 1(1):14
Manuka Zn-Pb-Ag deposits, Cobar Basin, New South Wales 18(2):5-21, 10-20f, 46-47f
Martin Zwer's mine, Nundle 4(2):98
Maurer's Claim, Kingsgate, New South Wales 13(2):83-88f
Mitchell Plateau, Western Australia 2(1):40-41fW
MKD5 nickel deposit, Mt Keith, Western Australia 9(2):64f
Moonta mines, Moonta, South Australia 6(2):68f
Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 22f, 28, 32f,
Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):19, 18f
Mount Moliagul, Victoria 21(1):43, 43f
Mt Anakie, Victoria 14(1):37-42f, 43-45f
Mt Bischoff, Tasmania 6(2):72f
Mt Elliott mine, Selwyn, Queensland 3(2):126W; 7(2):81,82fW
Mt Lyell, Tasmania 2(1):39W; 21(2):27, 28f, 30f
Mt Malvern mine near Clarendon, South Australia 5(1):14
Mt Oxide, Queensland 2(1):9
Mt Shadwell, Mortlake 14(1):37-42f
Mt Stewart mine, Leadville, New South Wales 5(1):32f, 35f
Nifty copper mine, Western Australia 8(2):51,52f
Northampton, Western Australia 6(2):96f; 18(1): 45, 48
Northparkes, New South Wales 4(1):7
Oban River, New South Wales 4(2):118
Paddys River Valley, Australian Capital Territory 22(1):35, 34f
Pella, Northern Cape Province, South Africa 11(1):39-40fW
Penny West gold mine, Youanmi, Western Australia 18(1):27
Philosopher's Ridge, Queenstown, Tasmania 7(2):82,83fW
Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W
Porretta Terme and Val Nervia, northern Italy 22(2):13-29, 18-29f
Quiruvilca, Peru 7(1):24f
Radium Ridge, Mt Painter, South Australia 9(1):23f
Reedy Creek Track area, north of Eldorado, Victoria 16(1):30-31f
Renison Bell, Tasmania 2(1):39W
Restormel iron mine, Lanlivery, Cornwall, England 16(1):10f
Robbies workings, Balfour, Tasmania 7(1):36W
Rumsby's mine, The Gulf, Emmaville, New South Wales 4(2):97f, 98
Sachs mine, Kingsgate, New South Wales 4(2):82f, 95f
Sahyadri Mountains, Bombay, India 16(1):11f
Sand Queen mine, Comet Vale, Western Australia 12(1):21
Shangri La mine, Kimberley, Western Australia 16(1):22
Silent Grove, Torrington, New South Wales 4(2):113f
Southern Namibia 5(2):91W

Spring Creek mine, Wilmington, South Australia 2(2):67f, 68f
St. John's quarry, South Australia 17(1):29
Tambar Springs, New South Wales 7(1):23f; 16(1):43f
Tennant Creek, Northern Territory 21(1):64f
Tibet 11(1):38-39fW
Tingha, New South Wales 4(2):98, 118, 119f
Tom's quarry, Kapunda, South Australia 17(1):29
Torrington area, New South Wales 4(2):78f; 5(1):46fW
Trial Harbour district, Tasmania 7(2):83W; 9(1):48W; 10(2):80f
Vatukoula gold mines, Viti Levu, Fiji 7(2):66-67f, 70
Walleroo mines, South Australia 17(2):64, 64f
Wave Hill area, Northern Territory 9(2):74f, 76-79
Wave Hill Station, Kalkarindji, Northern Territory 9(2):78-79f
White Rock quarry, Mt Lofty Ranges, South Australia 6(2):67f; 8(1):1f, 17-27f; 11(1):3f; 16(1):43f
Whitianga, Coromandel Peninsula, New Zealand 8(1):41W
Wishing Well Pocket, Torrington, New South Wales 18(1):66W, 66f
Woodlands, Gascoyne region, Western Australia 14(1):32
Wyalong Range, Camfield Station, Top Springs, Northern Territory 9(2):78-79f
Zambia 11(1):39,41fW Zomba, Malawi 2(1):32W; 2(2):79W
Zomba Plateau, Malawi 4(1):42W

Quartz variety agate

Allandale, Hunter Valley, New South Wales 18(2):31, 31f, 32f
Awatere Valley, New Zealand 8(1):41W
Queensland 7(1):23f

Quartz variety amethyst

Allandale, Hunter Valley, New South Wales 18(2):34, 35f
Angola 4(1):42W
Awatere Valley, New Zealand 8(1):41W
Beechworth, Victoria 16(1):27-29f
Brandberg, Namibia 2(2):79,80fW
Eldorado, Victoria 6(1):42fW; 16(1):29f, 31f
Entire (Entia) Valley, Harts Range, Northern Territory 4(1):41fW
Glen Elgin, New South Wales 4(2):118
Las Vigas mine, Vera Cruz, Mexico 16(1):42f
Mt Elliott mine, Selwyn, Queensland 3(2):125f, 126W
Oban, New South Wales 4(2):118
Wyloo Station, Pilbara, Western Australia 23(1):33-35

Quartz variety chalcedony

Allandale, Hunter Valley, New South Wales 18(2):31, 31f, 34f, 35f

Quartz variety citrine

Beechworth, Victoria 16(1):27-28f
Yarrow Creek deposit, Kingsgate, New South Wales 13(2):85f

Quartz variety smoky quartz

Beechworth, Victoria 16(1):27f
Eldorado, Victoria 16(1):27f
Reedy Creek Track area, north of Eldorado, Victoria 16(1):30f
St Gotthard, Switzerland 16(2):60f

Quintinite

D'Urville Island, Marlborough Sounds, New Zealand 3(2):127fW

Ralstonite

Cleveland mine, Luina, Tasmania 2(1):39fW
Tom's quarry, Kapunda, South Australia 17(1):29

Ramazzoite

Monte Ramazzo Mine, Genova, Liguria, Italy 20(1):60f

Ramsbeckite

Penrhiw mine, Wales 1(1):31W

Ranciéite

Paddys River Valley, Australian Capital Territory 22(1):42, 34f, 42f

Raspite
Broken Hill, New South Wales 3(1):1f, 9f; 6(2):122f; 7(2):86f; 14(2):61f; 17(2):78f
Proprietary mine, Broken Hill, New South Wales 3(1):19f

Raenthalite
Getchell mine, Humboldt County, Nevada, USA 2(2):78W

Realgar
Getchell mine, Humboldt County, Nevada, USA 2(2):78W
Shepherd and Murphy mine, Tasmania 5(1):48W

Reaphookhillite
Reaphook Hill, Martins Well, Flinders Ranges, South Australia 20(1):67W; 21(2):56, 56f

Reevesite
Wolf Creek Meteorite – Wolf Creek Crater, Western Australia 6(2):128

Reichenbachite
Mount Glorious mine, Cloncurry, northwest Queensland 23(1):37

Renierite
Mount Lyell mines, Tasmania 21(2):30f

Reynoldsite
Red Lead mine, Dundas, Tasmania 21(2):56

Rhabdophane
Kintore opencut, Broken Hill, New South Wales 3(1):51,53f

Rhodochrosite
Baia Sprie mine, Maramures, Romania 3(2):130W
Barbara mine, Coolgardie, Western Australia 14(2):59
Black and White mine, Danglemah, New South Wales 4(2):106
Catamarca Province, Argentina 16(1):42f
Iron Monarch, South Australia 6(1):21f
Kalahari manganese field, South Africa 5(2):91W
Kara mine, near Hampshire, Tasmania 12(1):44f
Kintore opencut, Broken Hill, New South Wales 3(1):39,40f
Magnet mine, Tasmania 1(1):14
Mt Malvern mine near Clarendon, South Australia 5(1):14
N'Chwaning I mine, Kalahari manganese field, South Africa 13(1):47-48fW
N'Chwaning II mine, Kalahari manganese field, South Africa 3(2):127W; 13(1):47-48fW
North mine, Broken Hill, New South Wales 3(1):18f
Proprietary mine, Broken Hill, New South Wales 3(1):39
Renison mine, Tasmania 7(1):37W
Silverton, Colorado, USA 6(2):81f
Spring Creek mine, Wilmington, South Australia 2(2):68f, 69
Temma, Tasmania 18(2):54W, 55f
Zinc Corporation Mine, Broken Hill, New South Wales 3(1):18f, 20f

Rhodochrosite, calcian
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Rhodonite
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Rosebery mine, Tasmania 21(1):69W, 69f
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Bow Hill dykes, Kimberley Region, Western Australia 24(2):21, 23f;

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Tenham Meteorite – Tenham Station, South Gregory, Queensland 6(2):128; 21(2):80

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Block 14 opencut, Broken Hill, New South Wales 3(1):51

Kintore opencut, Broken Hill, New South Wales 3(1):51

Lake Boga, Victoria 2(1):41W; 2(2):48,49f

Moculta, South Australia 17(1):10f, 25

Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 29

Peryhumuck mine, Olary Block, South Australia 3(2):115f, 117f, 118a

Romanèchite

Magnet mine, Tasmania 1(1):14

New England region, New South Wales 4(2):103

Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):22, 18f

Walcha, New South Wales 4(2):103f

Römerite

Sunny Corner, New South Wales 17(1):49

Rooseveltite

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Rosasite

Block 14 opencut, Broken Hill, New South Wales 3(1):40-41f

Cave Hill quarry, Lilydale, Victoria 13(2):77f

Colebrook Hill, Tasmania 5(2):87W

Colebrook mine, Rosebery, Tasmania 5(1):48W

Devons Cut, Braeside lead field, Pilbara, Western Australia 13(2):60-61f

Iron Monarch, South Australia 6(1):18

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W

Ragged Hills, Braeside lead field, Pilbara, Western Australia 13(2):60

Shangri La mine, Kimberley, Western Australia 16(1):21f, 22,23f

Rosasite-zincrosasite

Block 14 opencut, Broken Hill, New South Wales 3(1):39

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Vatukoula gold mines, Viti Levu, Fiji 7(2):70

Rowleyite

Rowley mine, Painted Rock District, Maricopa County 22(2):43, 43f

Roxbyite

Olympic Dam mine, Roxby Downs, South Australia 6(2):122f

Roymillerite

Kombat mine, Kombat, Namibia 20(1):60f

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Eclipse mine, near Forest Range, South Australia 9(2):89f, 90

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Ruthenium

Tumut Serpentinite Province, New South Wales 7(1):6, 8, 9a

Rutile

Cath-Ida mine, The Gulf, Emmaville, New South Wales 5(1):46W

Champion mine, Inyo County, California 21(1):49f

Echunga gold field, Mt Lofty Ranges, South Australia 15:41f

Entire (Entia) Valley, Harts Range, Northern Territory 4(1):41W

Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 29,

Mount Lyell mines, Tasmania 21(2):30f

Mount Moliagul, Victoria 21(1):44, 44f

Rollinsons quarry, near Malmsbury, Victoria 16(2):100, 100f

Tom's quarry, Kapunda, South Australia 17(1):29, 29f

Zambia 11(1):39-41fW

Saddlebackite

Boddington gold mine, Western Australia 3(2):119-124af; 6(2):122,123f

Safflorite

Bismuth, Torrington area, New South Wales 4(2):96f

Salécite

Lake Boga, Victoria 2(1):37f, 41W

Ranger No.1 deposit, Jabiru, Northern Territory 2(1):2f; 5(1):19f, 22

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Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 29, 31f, 35

Samarskite group mineral (ishikawaite-samarskite)

No.2 workings, Mt Painter 9(1):24,25f

Sampleite

Block 14 opencut, Broken Hill, New South Wales 3(1):51

E26 orebody, Northparkes, New South Wales 10(2):45f, 55-56f

Kintore opencut, Broken Hill, New South Wales 3(1):51

Spring Creek mine, Wilmington, South Australia 2(2):69

Sanidine

Waitakere Ranges, North Island, New Zealand 19(2):21

Santabarbaraite after vivianite

Wannon Falls, Hamilton, Victoria 9(1):47fW

Saponite

Allandale, Hunter Valley, New South Wales 18(2):34

Aranga quarry Northland, New Zealand 19(2):8

Ardglen, New South Wales 6(1):38-39a

Ben Lomond Quarry, New South Wales 4(2):127f, 128

Borambil, New South Wales 2(1):15-17f, 20a

Krui Valley, Merriwa, New South Wales 8(2):64-65f, 66fa, 67, 69f

Willy Wally Gully near Merriwa, New South Wales 16(2):84, 85f

Sapphire, see Corundum variety sapphire**Sassolite**

Iron Monarch, South Australia 6(1):18

Schafarzikite

Lunatic Goldfield, Drake, New South Wales 6(1):42W

Scheelite

Baia Sprie Mine, Maramures, Romania 3(2):130W

Damifino Mine, Hillgrove, New South Wales 4(2):78f, 79, 112f

Eleanora Mine, Hillgrove, New South Wales 4(2):79

Elsmore, New South Wales 8(2):58XRD

Freehold Mine, Hillgrove, New South Wales 4(2):79

Gamsberg region, South Africa 2(1):32W

Hunan Province, China 9(1):48W

Lake View gold mining lease, Comet Vale, Western Australia 12(1):14f

Martin Zwer's Mine, Nundle, New South Wales 4(2):78-79f

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Mount Cleveland mine, Luina, Tasmania 21(1):59f

Mt Cobalt, Queensland 1(2):23

Paddys River Valley, Australian Capital Territory 22(1):38, 34f, 39f

Sichuan Province, China 11(1):38W

Schertelite

Skipton Caves, Victoria 6(2):123

Schmidtitite

Hagendorf Süd pegmatite, Bavaria 19(1):10XRD

Schoepite

No.2 workings, Mt Painter, South Australia 9(1):25,26f

Scholzite

Block 14 opencut, Broken Hill, New South Wales 3(1):51,56f

Snowstorm mine, Battle Mountain, Nevada, USA 2(2):78W

Schoonerite

Hagendorf Süd pegmatite, Bavaria 19(1):13, 14, 14f

Schorl

Eldorado, Victoria 16(1):30-31

Erongo Mountains, north of Karibib, Namibia 5(2):91W; 7(1):40fW, 41

Giles Prospect, Spargoville, Western Australia 3(2):100f

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Schubnelite

Gold Quarry mine, Eureka County, Nevada, USA 2(2):78W

Schuilingite-(Nd)

Peelwood mine, Peelwood, New South Wales 13(2):89SEM, 90XRD

Schulenbergite

Broken Hill, New South Wales 3(1):82

Kintore opencut, Broken Hill, New South Wales 3(1):43, 44-45f

Penrhiw mine, Wales 1(1):31W

Pinnacles mine dumps, Broken Hill, New South Wales 5(1):46W; 5(2):87W

Scolecite

Little Pine Lagoon quarry, Miena, Tasmania 9(1):48W

Scorodite

Elsmore, New South Wales 7(1):15; 8(2):58

Kingsgate, New South Wales 4(2):111; 7(2):86f

Kintore opencut, Broken Hill, New South Wales 3(1):62

Mount Moliagul, Victoria 21(1):44, 44f

Mt Malvern mine near Clarendon, South Australia 5(1):14

Ottery lode, Emmaville, New South Wales 4(2):113

Peak Hill gold mine, New South Wales 15:51

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W

Pye's Creek, Tenterfield, New South Wales 4(2):113

Sunny Corner, New South Wales 17(1):48, 48f,

Tewinga lode, Nambucca, New South Wales 4(2):114

Ting Tang mine, Gwennap, Cornwall, England 3(2):129W

Twin Trees mine, Humboldt County, Nevada, USA 2(2):78W

Scotlandite

Leadhills-Wanlockhead area, Scotland 1(1):31W

Seaborgite

Blue Lizard mine, San Juan County, Utah, USA 24(1):65, 65f

Seamanite

Iron Monarch, South Australia 6(1):18, 19-20f

Segelerite

Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 29, 30f

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Kintore opencut, Broken Hill, New South Wales 3(1):62,65f; 6(2):123f

New Cobar mine, Cobar, New South Wales 11(2):78

Sellaite

Cleveland mine, Luina, Tasmania 7(1):37W

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Council quarry, Wycheproof, Victoria 1(2):6,36fW; 6(2):123f,124

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Sepiolite

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):64-65

Serandite

Wood's mine, New South Wales 4(2):106; 15:15-17f

Serpentine minerals

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):65

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Block 14 opencut, Broken Hill, New South Wales 3(1):44

Broken Hill, New South Wales 3(1):81f, 82

Kintore opencut, Broken Hill, New South Wales 3(1):44,45f

Mt Malvern mine near Clarendon, South Australia 5(1):14-15

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Parkers Hill, Mineral Hill field, New South Wales 11(2):114-115f

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W

Shandite

Trial Harbour, Tasmania 6(2):124

Shannonite

Grand Reef mine, Arizona, USA 3(1):39

Kintore opencut, Broken Hill, New South Wales 3(1):39f

Shigaite

Iron Monarch mine, South Australia 24(2):53f

N'Chwaning I mine, Kalahari manganese field, South Africa 13(1):47-48fW

Siderite

Aberfoyle Tin Mine, Gladstone, Tasmania 6(2):74f

Almanda mine, Cherry Gardens, South Australia 18(1):56, 57f, 58f

Anchor mine, Lottah, Tasmania 2(1):40W

Barbara mine, Coolgardie, Western Australia 14(2):59

Bendalong Point, Bendalong, New South Wales 7(2):49-54f

Day Dream mine, Silverton, New South Wales 3(2):107

Daylesford, Victoria 1(2):14

Emperor mine, Vatukoula, Viti Levu, Fiji 7(2):71

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Inyadda Point, Bendalong, New South Wales 7(2):49-54f

Magnet mine, Tasmania 1(1):14

Mount Moliagul, Victoria 21(1):44, 44f

Mt Bischoff, Tasmania 6(2):74f

Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):23, 18f

Mt Lyell, Tasmania 2(1):39W; 21(2):29, 30f

Mt Malvern mine near Clarendon, South Australia 5(1):15

Mt Stewart mine, Leadville, New South Wales 5(1):32f

Northampton, Western Australia 18(1):45

Prince Lyell mine, Mt Lyell, Queenstown, Tasmania 7(2):82W

Temma, Tasmania 18(2):54W

Siderite-sphalerite after calcite

Aggenys, Northern Cape Province, South Africa 13(1):48-49fW

Siderotil

Teutonic Bore, Western Australia 2(1):26

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Sieleckiite

Mt Oxide, Queensland 2(1):8f, 9; 6(2):123f, 124

Girilambone copper deposits, New South Wales 11(2):98-99f

Siidraite

Broken Hill, New South Wales 18(1):65W; 21(2):56

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Alva, Scotland 1(1):31

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Boorook mines, near Drake, New South Wales 4(2):114

Christmas mine, Gila County, Arizona 21(1):48f

Day Dream mine, Silverton, New South Wales 3(2):107, 109f

Elizabeth Hills mine, Dampier, Western Australia 6(1):1f, 42-43fW; 22(2):39-40, 39f, 40f
Endeavour mine, Elura, New South Wales 11(2):47f, 84-87f
Force Crag mine, Cumbria, England 11(1):21f
Kintore opencut, Broken Hill, New South Wales 3(1):30,33f
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MKD5 nickel deposit, Mt Keith, Western Australia 9(2):65
Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):21, 18f, 21f
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Mt Malvern mine near Clarendon, South Australia 5(1):15
Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W
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Vinoren, Kongsberg, Norway 3(2):130W
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Consols Lode, Broken Hill, New South Wales 5(2):64f, 65,66a
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Sincosite
Gold Quarry mine, Eureka County, Nevada, USA 2(2):78W
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Cliff workings, Red Rock field, Drake Goldfield, NSW 24(2):33f, 39, 39f
Day Dream mine, Silverton, New South Wales 3(2):108
Devons Cut, Braeside lead field, Pilbara, Western Australia 13(2):61
E26 orebody, Northparkes, New South Wales 10(2):56
Iron Monarch, South Australia 6(1):19
Kintore opencut, Broken Hill, New South Wales 3(1):39,41f
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Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W
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The Anakies volcanoes, Victoria 21(1):28, 29, 34f, 35a
Sodium analogue of meurigite?
Rixon’s sandstone quarry, Campbells Creek, Victoria 13(2):68-69f

Sodium pharmacosiderite

Marda, Kalgoorlie, Western Australia 6(2):124

Somersetite

Torr Works quarry, Somerset, UK 20(1):60f

Spangolite

Colebrook Hill, Tasmania 5(2):87W

Desolation prospect, Mount Isa Block, Queensland 17(2):86, 86f

Kintore opencut, Broken Hill, New South Wales 3(1):45

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Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W; 4(1):40fW

Sperrylite

Little Darling Creek, Broken Hill district, New South Wales 4(1):37f, 38a

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):65

Mulga Springs, Broken Hill district, New South Wales 4(1):37,38a

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Black and White mine, Danglemah, New South Wales 4(2):106

Blackwood opencut, Broken Hill, New South Wales 3(1):18f

Broken Hill, New South Wales 21(1):63f

Fujian Province, China 11(1):38W

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N.B.H.C. mine, Broken Hill, New South Wales 3(1):75f

North mine, Broken Hill, New South Wales 3(1):19f; 16(2):104f

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W

Rosebery mine, Tasmania 21(1):69W, 69f

Sphaerocobaltite

Mt Cobalt, Queensland 1(2):23

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Almanda mine, Cherry Gardens, South Australia 18(1):57, 58f

Barbara mine, Coolgardie, Western Australia 14(2):58SEM, 59

Cliff workings, Red Rock field, Drake Goldfield, NSW 24(2):31, 33, 33f

Cumberland, England 16(1):10f

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Goongewa mine, Fitzroy Crossing, Western Australia 2(2):76W; 4(1):41W

Lucknow, near Orange, New South Wales 6(1):28f, 30

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Mogul mine, Silvermines, County Tipperary, Ireland 11(1):20f

Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 29

Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):20, 18f

Mount Lyell mines, Tasmania 21(2):29, 30f

Mt Malvern mine near Clarendon, South Australia 5(1):15

Mt Stewart mine, Leadville, New South Wales 5(1):32-33f

North mine, Broken Hill, New South Wales 16(2):105f

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Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W

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Sphene, see Titanite**Spinel**

Rollinsons quarry, near Malmsbury, Victoria 16(2):100

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Barbara mine, Coolgardie, Western Australia 14(2):59

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Spodumene variety kunzite

Urupuca, Minas Gerais, Brazil 6(2):56f

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No.2 workings, Mt Painter, South Australia 9(1):26,27f; 13(1):50-51W; 21(2):57, 57f

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Spring Creek mine, Wilmington, South Australia 5(2):56-57f; 6(2):123f, 125; 8(2):82

Spurrite

Commercial quarry, Crestmore, Riverside County, California, USA 4(1):42W

Srilankite

Aries kimberlite, Kimberley Region, Western Australia 24(2):21, 21f, 23f;

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Conrad mines, Howell, New South Wales 4(2):73

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Mount Lyell mines, Tasmania 21(2):30f

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Elliotts Reward mine, Interview River, south of Temma, Tasmania 9(1):48W

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Allandale, Hunter Valley, New South Wales 18(2):35, 36f

Glendowda Station, Tambar Springs, New South Wales 2(1):2f; 6(2):53f

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Lake Cooper quarry, Corop, Victoria 11(1):31f

Tambar Springs, New South Wales 7(1):23f; 16(1):43f

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Lucknow, near Orange, New South Wales 6(1):29f, 30

Stibiconite

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Eleanora Mine, Hillgrove, New South Wales 4(2):90-91f,92

Emperor mine, Vatukoula, Viti Levu, Fiji 7(2):66f

Freehold Mine, Hillgrove, New South Wales 4(2):90f,92

Getchell mine, Humboldt County, Nevada, USA 2(2):78W

Hillgrove, New South Wales 4(2):89-92

Hunan Province, China 9(1):48W

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Lunatic Goldfield, Drake, New South Wales 6(1):42W

Lushi, Hunan Province, China 1(2):30W

Magnet mine, Tasmania 1(1):14

Red Dome Mine, Chillagoe, Queensland 6(1):41,42fW

Taylor's Arm, New South Wales 4(2):91f, 92, 112

Wild Cattle Creek Mine, near Dorrigo, New South Wales 4(2):112

Wuling antimony mine, Jiangxi Province, China 9(1):4f

Xi Kuangshan Mine, Hunan, China 17(2):60f

Yao Gan Xian, China 11(1):38W

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MKD5 nickel deposit, Mt Keith, Western Australia 9(2):67,68f

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Kintore opencut, Broken Hill, New South Wales 3(1):66
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North Haig Meteorite – Sleeper Camp, North Haig, Western Australia 6(2):128

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Hoskins mine, Grenfell, New South Wales 4(2):106

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Sicily, Italy 6(2):72f

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Bali Lo prospect, Ashburton Downs, Western Australia 13(1):38

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Broken Hill, New South Wales 3(1):66

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Unknown

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Unknown #1

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Unknown No.1

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Unknown No.2

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Unknown 1 and 2

Nifty copper mine, Western Australia 8(2):52

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Unnamed

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Urcite

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Vésigniéite
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Iron Monarch mine, South Australia 24(2):56f

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Lorena gold mine, Pumpkin Gully, Queensland 3(2):125W; 9(1):48fW

Wurtzite

Magnet mine, Tasmania 1(1):15

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Wycheproof, Victoria 1(2):5f; 6(2):127f

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Tom's quarry, Kapunda, South Australia 17(1):10f, 27, 28f

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Ibitiara City, Bahia State, Brazil 1(2):30W

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21(2):60, 61f

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