

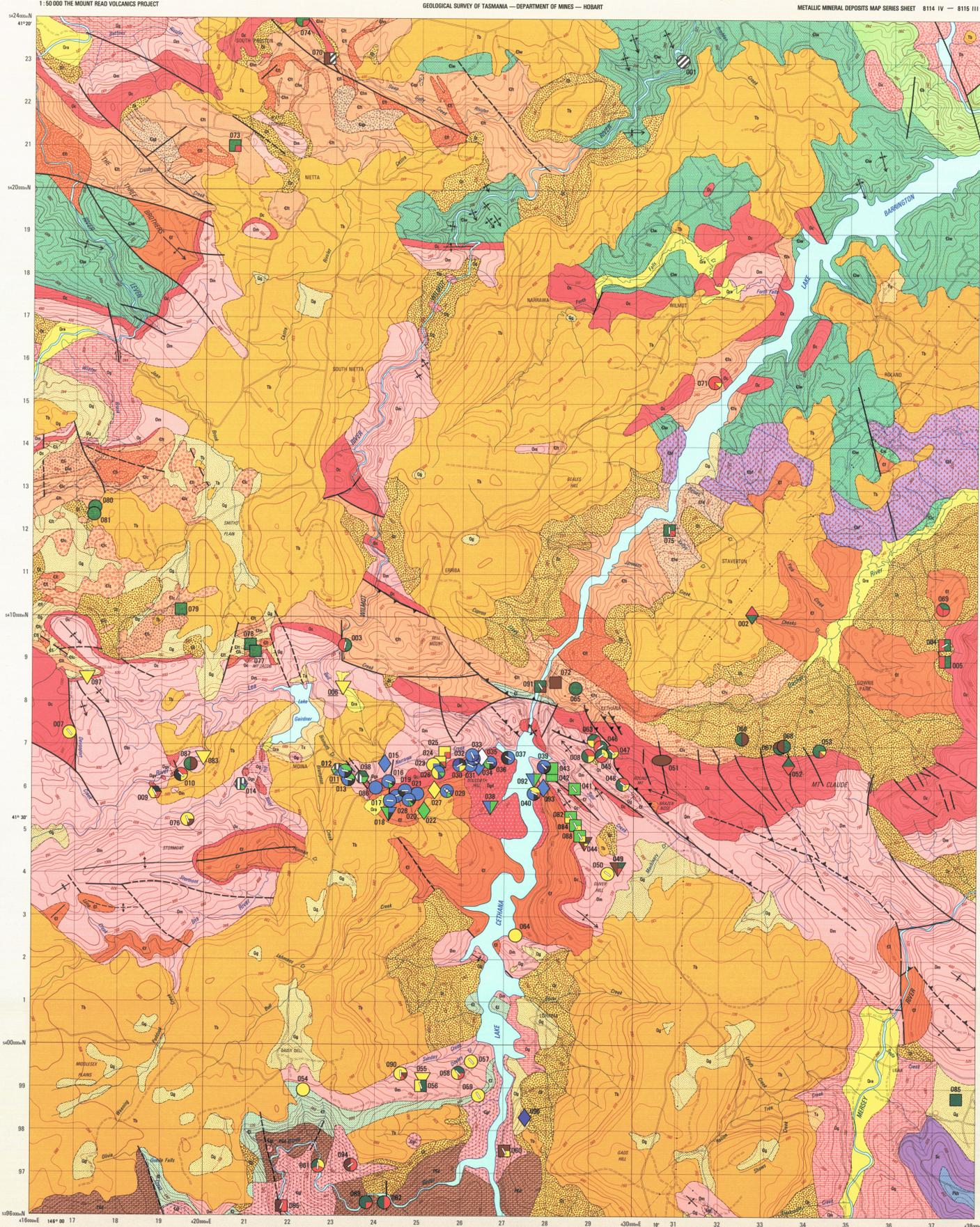


CETHANA



GEOLOGICAL SURVEY OF TASMANIA — DEPARTMENT OF MINES — HOBART

METALLIC MINERAL DEPOSITS MAP SERIES SHEET 8114 IV — 8115 III



INDEX OF DEPOSITS

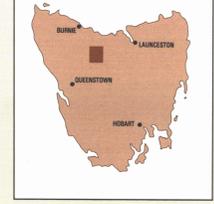
NAME	COMMODITIES
001 Lower Wilmet Butte	Pb, Zn
002 Wilmet (Washington) Mine	Ag, Pb, Zn
003 Mt. Rosal Prospect	Ag, Pb, Zn
004 Alton's Prospect	Ag, Pb, Zn
005 Mt. Rosal (Continued)	Ag, Pb, Zn
006 Devonport Mine	Ag, Pb, Zn
007 Round Hill (Continued)	Ag, Pb, Zn
008 Stannum Blomfield Mine	Ag, Pb, Zn
009 Round Hill (Continued)	Ag, Pb, Zn
010 Stannum Blomfield Mine	Ag, Pb, Zn
011 Stannum Blomfield Mine	Ag, Pb, Zn
012 Stannum Blomfield Mine	Ag, Pb, Zn
013 Stannum Blomfield Mine	Ag, Pb, Zn
014 Stannum Blomfield Mine	Ag, Pb, Zn
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098 Stannum Blomfield Mine	Ag, Pb, Zn
099 Stannum Blomfield Mine	Ag, Pb, Zn
100 Stannum Blomfield Mine	Ag, Pb, Zn

VALUE OF DEPOSITS *

< \$10 ⁶	008
\$10 ⁶ - \$10 ⁷	081
\$10 ⁷ - \$10 ⁸	056
> \$10 ⁸	002

* Based on published production plus reserves and the metal prices and currency exchange rates published in Mining Journal, V. 3008, No. 7823 (June 26, 1987).

LOCATION MAP



Compiled by A.L. Bamford, B.Sc. G.R. Green, B.Sc. (Hons.) Ph.D. Geological map production by the Cartographic Section of the Geological Survey, Department of Mines, Hobart. Cartography by M.M. Moran, D. Healy, A. Halliwell. G.R. Green, B.Sc. (Hons.) Ph.D. Acting Senior Geologist in charge of Mineral Deposits Mapping. D. Mc P. Duncan, B.Sc. (Hons.) M.Sc. Ph.D. Supervising Geologist, Economic Geology Branch. M.R. Hargreaves, B.Sc. M.A.I.M.M. Chief Geologist. Compiled under the direction of H. Murdoch, B.Sc. Director of Mines. Issued under the authority of the Minister for Mines. Published 1988. CROWN COPYRIGHT RESERVED

MINERALIZATION

COLOUR	SYMBOL	MINERALS / COMMODITIES
Green	Pb, Zn	Galena, sphalerite, other lead, zinc minerals; Lead Zinc
Red	Ag	Silver in sulphides, native silver; Silver
Yellow	Au	Native gold, gold in sulphides, tellurides; Gold
Red	Cu	Chalcopyrite, other copper minerals; Copper
Green	Sn	Cassiterite, stannite, tin in silicates; Tin
Blue	W	Scheelite, wolframite; Tungsten
Purple	As	Arsenopyrite; Arsenic
Black	Bi	Bismuthinite, bismuth, others; Bismuth
Brown	Fe	Pyrite, magnetite, hematite, goethite
Brown	Mn/Fe	Manganiferous deposits; Manganese
Orange	Ti	Rutile; Titanium
Blue	Mo	Molybdenum; Molybdenum
White with diagonal lines	Ba	Barite
White with horizontal lines	F	Fluorite
White with vertical lines		Unknown

FORM OF DEPOSITS

Massive lenticular	01	Massive lenticular; direction of symbol indicates strike of deposit
Disseminated	02	Disseminated; strike indicated
Vein	03	Vein; strike indicated
Multiple vein or stockwork	04	Multiple vein or stockwork
Alluvial/residual	05	Alluvial/residual; Quaternary
Alluvial/residual	06	Alluvial/residual; older than Quaternary
Skarn	07	Skarn; strike indicated
Unknown	08	Unknown

QUATERNARY

Qa	Qa	Dune sand
Qb	Qb	Alluvium
Qc	Qc	Talus and scree deposits
Qd	Qd	Till, marsh deposits, residual gravels
Qe	Qe	Erosional surface

TERTIARY

Ta	Ta	Basalt lava and pyroclastic rocks
Tb	Tb	Dominantly terrestrial sand, gravel, silt and clay with rare indurated equivalents. Minor marine sand in Tarns Beach and Tea Tree Point areas
Tc	Tc	Low angle unconformity
Td	Td	Angular unconformity

PERMIAN

P1a	P1a	Melina conglomerate, siltstone, fossiliferous limestone, sandstone (Kassas Creek Beds)
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SILURIAN

S1	S1	Shallow marine quartzite sandstone. Possible correlative of Cray Sandstone
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ORDOVICIAN

O1	O1	Limestone, dolomite and mudstone (Gordon Group correlative). Devonian shales (metamorphosed Gordon Limestone) indicated — Opa
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EARLY ORDOVICIAN — LATE CAMBRIAN

En	En	Marine quartzite sandstone, shale, minor conglomerate (Marine Sandstone)
Ec	Ec	Dominantly quartzite and vein quartz capable to host conglomerates; commonly polymict towards base with chert composition reflecting underlying lithologies (Duncans Conglomerate: Related Conglomerates)
Ed	Ed	Purple mudstone, sandstone, minor chert conglomerate (Duncans Mudstone)
Ec	Ec	Angular unconformity in some areas; erosional surface in others

CAMBRIAN FERROUGINOUS DEPOSITS

Cf	Cf	Cambrian (?) hematite and goethite
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DOMINANTLY FELSIC VOLCANIC ROCKS

V1	V1	Siltstone, mudstone, lithoclastic
V2	V2	Conglomerate, predominantly composed of felsic volcaniclastic detritus
V3	V3	Intermediate lava, tuff and breccia
V4	V4	Felsic lava, quartz phytic
V5	V5	Felsic agglomerate
V6	V6	Felsic tuff

DOMINANTLY SEDIMENTARY ROCKS OF UNCERTAIN AGE

S1	S1	Mixed association of volcanoclastic lithoclastic, chert, quartzite sandstone, felsic tuff and quartz porphyry (Lentina Greywacke)
S2	S2	Lithoclastic, mudstone, minor conglomerate (Ray Range Greywacke in part)

LATE MIDDLE TO LATE CAMBRIAN — RADFORDS CREEK GROUP

R1	R1	Megacrystic with blocks of siltstone, tuff, chert, dolomite and chert breccia in a lithoclastic-conglomerate matrix (Bassett Megacrystic: Tolmie Point Megacrystic)
R2	R2	Mudstone with horizons of tuff, lava, lithoclastic and quartzite conglomerate
R3	R3	Plagioclase-phytic dactyl (Apselobes Volcanics)
R4	R4	Conglomerate with clasts of chert and less common siltstone in a lithoclastic matrix (Sprent Formation)
R5	R5	Intermediate to mafic lava, tuff and breccia (Beech Formation)
R6	R6	Basalt, locally pillowed (Mutton Spillies)
R7	R7	Chert, minor mudstone (Barrington Chert)
R8	R8	Inferred unconformity

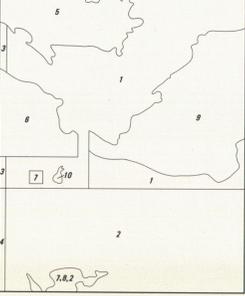
MIDDLE MIDDLE TO LATE MIDDLE CAMBRIAN — CATENA GROUP

C1	C1	Dominantly mudstone, sandstone, conglomerate, with minor chert
C2	C2	Felsic-phytic felsic lava and bedded tuff (Wilsons Volcanics)
C3	C3	Felsic-phytic intermediate lava, bedded tuff and agglomerate (Karrison Volcanics)
C4	C4	Conglomerate with mudstone clasts in feldspathic sandstone matrix (Stanfield Conglomerate)
C5	C5	Angular unconformity

GEOLOGICAL LEGEND

P1c	P1c	Quartzite tabular sandstone and mudstone (Burns Formation)
U1	U1	Thrust
ULVERSTONE METAMORPHICS		
U2	U2	Strongly deformed quartzite pebble conglomerate and schist (East Inland Conglomerate)
U3	U3	Weakly deformed quartzite pebble conglomerate (Spallford Conglomerate)
U4	U4	Quartzite
U5	U5	Muscovite schist, muscovite-chlorite schist
FORTH METAMORPHICS		
F1	F1	Quartzite
F2	F2	Garnet-mica schist
F3	F3	Garnet-hornblende amphibolite, greenschist
TYENMAN REGION		
T1	T1	Quartz-muscovite schist, frequently gneissiferous (Dove Schist)
INTRUSIVE IGNEOUS ROCKS DEVONIAN		
D1	D1	Tholeiitic dolerite
D2	D2	Biotite and hornblende of Housheer Granite (High) and Dolanah Granite (High)
CAMBRIAN		
C1	C1	Andesitic felsic-porphyr-hornblende porphyry (Lalor Creek Volcanics)
C2	C2	Dacitic felsic-porphyr
C3	C3	Quartz-felsic-porphyr
C4	C4	Biotite-hornblende granodiorite and andesite (Dove Granite)
C5	C5	Serpentinite
Geological boundary approximated		
Geological boundary inferred		
Actual surface trace of major uniform, system		
Fault, position approximated		
Fault, inferred or concealed		
Thrust fault, teeth on upper plate		

RESPONSIBILITY DIAGRAM



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