



ROSEBERY



1:50 000 THE MOUNT READ VOLCANICS PROJECT

GEOLOGICAL SURVEY OF TASMANIA - DEPARTMENT OF MINES - HOBART

METALLIC MINERAL DEPOSITS MAP SERIES SHEET 8014-III

INDEX OF DEPOSITS

NAME	COMMODITIES
040	South Dora Mining Co. 752-93M Au,Cu,Ag
055	Brashier's Road pyrite zone Pb,Zn,Cu
065	Salmson's Lode Pb,Zn,Cu
066	Rosebery Pb,Zn,Cu,Ag,Au
067	Black P.A. Pb,Zn,Cu,Ag,Au
068	Great South Rosebery Pb,Zn,Cu,Ag,Au
069	J. Fulford's Section (Turkey) Cu,Ag,Pb,Zn
070	Murchison River Pb,Zn,Cu,Ag,Au
071	South Murchison Pb,Zn
072	Coler's Section Pb,Zn
073	Thomas Section Pb,Zn
074	Green & King's Workings Pb,Zn,Cu,Ag
075	Thomas Blocks Pb,Zn,Cu,Ag
076	Ford's Prospect (Funday) Pb,Zn,Cu,Ag
077	Dunrobin's Section Cu,Pb,Zn,Ag,Au
078	Talbot Silver Lode Pb,Zn,Ag
079	Mace's Mine Pb,Zn,Ag
080	Osborne Copper Pb,Zn,Cu,Ag
081	Foy's Lode Pb,Zn,Cu,Ag
082	Steeles Mine Pb,Zn
083	South Glenfing Pb,Zn
084	S.W. White's Section Pb,Zn,Cu,Ag,Au
085	Jupiter Pb,Zn,Cu,Ag,Au
086	Jupiter Copper (Addr No. 1) Pb,Zn,Cu,Ag,Au
087	Salsbury Pb,Zn,Cu,Ag,Au
088	Rosebery Lodes Pb,Zn,Cu,Ag,Au
089	Dalmeny Mine Pb,Zn,Cu,Ag,Au
090	Berry Consols Pb,Zn,Cu,Ag,Au
091	Koorrys Pb,Zn,Cu,Ag,Au
092	Mitchell's Pb,Zn,Cu,Ag,Au
093	Stirling Valley Mine Pb,Zn,Cu,Ag,Au
094	Wooden's Section Pb,Zn,Cu,Ag,Au
095	Kitson's Section Pb,Zn,Cu,Ag,Au
096	Symons & Rice Section Pb,Zn,Cu,Ag,Au
097	King P.A. Pb,Zn,Cu,Ag,Au
098	Harcourt Mine Pb,Zn,Cu,Ag,Au
099	Hercules Pb,Zn,Cu,Ag,Au
100	Henry fault zone - copper Cu
101	Red Hills Road Pb,Zn,Cu,Ag,Au
102	Red Hills Copper Pb,Zn,Cu,Ag,Au
103	Red Hills (P.A.) Pb,Zn,Cu,Ag,Au
104	Harris Reward Pb
105	Mt Selma Pb,Zn
106	Henry fault zone - gold Pb,Zn,Cu,Ag,Au
107	Selma granite Pb,Zn,Cu,Ag,Au
108	Howard's Anomaly (Line 30 pt) Pb,Zn,Cu,Ag,Au
109	Tyndal Mine Pb,Zn,Cu,Ag,Au
110	Howard's Anomaly Ag,Bi,Pb,Zn
111	Henry River Adit Pb,Zn,Cu,Ag,Au
112	Henry River Adit Pb,Zn,Cu,Ag,Au
113	McLure & Rice 3253M Pb,Zn,Cu,Ag,Au
114	East Hercules Pb,Zn,Cu,Ag,Au
115	Grand Centre Adit Pb,Zn,Cu,Ag,Au
116	Robert & George's Section Pb,Zn,Cu,Ag,Au
117	T.O. Thomas's Section Pb,Zn,Cu,Ag,Au
118	Au
119	Au
120	Great North Leadbrook Au,Ag
121	Mitchell Shaft Au,Ag
122	Black Hill Shaft Au,Ag
123	Section 20093M Cu
124	Rosebery Hotel Section 220-93M Cu
125	Au
126	Mt Selma Extended Cu
127	Albert Moberg's Cu,Ag,Au,Pb,Zn
128	A.D. Slog's Section Pb,Zn,Cu
129	Durme's Blocks Pb,Zn,Cu
130	Wilkes's Shaft Pb,Zn,Cu
131	A. Babington's Section Pb,Zn,Cu
132	Molles Tunnel Cu
133	Jenkin's Tunnel Pb,Zn,Cu
134	W. Redman's Section 6825M Pb,Zn,Cu
135	Burn's Tunnel Pb,Zn,Cu
136	William Redman's Section 6824M Pb,Zn,Cu
137	Section 3340-95M Cu
138	Au
139	Au
140	Au
141	A.D. Slog's Section 6389M Pb,Zn,Cu
142	Bartles Lode Pb,Zn,Cu
143	Mt Read Mining Co. Pb,Zn,Cu,Ag,Au
144	Murchison Mine Pb,Zn,Cu,Ag,Au
145	Murchison Mine Pb,Zn,Cu,Ag,Au
146	Section 2030M 2911M Cu
147	Byron Cu
148	Byron Cu
149	Byron Cu
150	Stirling Valley Sn
151	Leachy Hill Sn,As
152	Basin Lake Pb
153	White Spur Pb
154	Lake Selma Copper Pb
155	Byronmap Pb
156	Cu,Pb
157	Murchison River Gold Au,Ag,Pb,Zn
158	Mt. Black Pb
211	Mt. Black Pb
214	Cop. United Mining Co. 2459 Cu,Ag,Pb,Zn,As
221	Dora United Mining Co. 2011 Cu,Ag,Pb,Zn,As
223	South Dora Mining Co. 752- Au,Cu,Ag
227	W. Johnston 1908-93M Cu,Pb,Zn,Ag,Cu
229	Leahy Dora Copper Mining Co. 677-93M Pb,Zn,Cu
248	Royal Oak Mine 2010-93M Pb,Zn,Cu
252	Long & Soller 5062-93M Pb,Zn,Cu
255	Lyle, Tyndal Dundas P.A. 619-93M Cu,Ag,Pb,Zn,As
268	Lake Dora Mine 730-93M Cu,Ag,Pb,Zn,As
278	Jones Creek Prospect Pb,Zn
279	Pb,Zn
280	White Spur Track Pb,Zn
286	Chamberlain Pb,Zn,Cu,Ag
314	Lyle, Tyndal Dundas P.A. 600-93M Cu,Ag,Pb,Zn,As
315	Machon's Section Cu
319	Symons & Rice Copper Pb,Zn,Cu,Ag
318	Bartles Lode Pb,Zn,Cu,Ag
319	Section 2185-93M Cu,Ag,Pb,Zn,As
319	Wm. Phosphate Pb,Zn,Cu,Ag
320	Thomas Blocks Western Lode Pb,Zn,Cu,Ag



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MINERALIZATION

COLOUR	SYMBOL	MINERALS / COMMODITIES
Black	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
Blue	W	Scheelite, wolframite. Tungsten
Purple	As	Arsenopyrite. Arsenic
Dark Green	Sb	Antimony minerals. Antimony
Dark Brown	Bi	Bismuthinite, bismuth, others. Bismuth
Black		Non-metallic gangue minerals, chiefly barite.
Brown	Fe	Pyrite, magnetite, hematite, Goethite
White		Unknown

FORM OF DEPOSIT

◇	MASSIVE STRATIFORM
◇	direction of symbol indicates strike of deposit
□	DISSEMINATED
□	strike indicated
○	VEIN
○	strike indicated
⊙	MULTIPLE VEIN OR STOCKWORK
▽	ALLUVIAL / RESIDUAL
▽	Quaternary
△	ALLUVIAL / RESIDUAL
△	older than Quaternary
◇	UNKNOWN

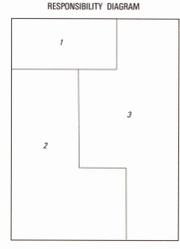
VALUE OF DEPOSIT *

< \$10 ⁶	006
\$10 ⁶ - \$10 ⁷	061
\$10 ⁷ - \$10 ⁸	056
> \$10 ⁸	002

* Based on published production plus reserves and the metal prices published in B.M.R. Monthly Bulletin for 30/4/86

GEOLOGICAL LEGEND

Quaternary	Qv	Tillings and mine waste.
Quaternary	Qa	Alluvium, marsh and swamp deposits.
Quaternary	Qm	Scree talus.
Quaternary	Qd	Undifferentiated glacio-genic deposits.
Tertiary	Tb	Basalt.
Tertiary	Ts	Non-marine sediments.
Jurassic	Jd	Dolerite.
Permian	P	Glacio-marine and non-marine sequences.
Devonian	Dd	Dolerite.
Devonian	Dg	Gabbro.
Devonian	Ds	Granitic rocks.
Siluro-Devonian	Sd	Shallow water marine siliceous sandstone, mudstone and minor limestone. Edeia Group and correlates.
Ordovician	Ov	Limestone, dolomite and mudstone. Gorder Limestone and correlates.
Late Cambrian - Early Ordovician	OC	Siliceous conglomerate, sandstone and minor mudstone. Locally volcanoclastic conglomerate at base. Green Conglomerate and correlates.
Cambrian Dundas Group and Correlates	Cd	Quartz-feldspar porphyry; mainly intrusive.
Cambrian Dundas Group and Correlates	Cc	Polymict conglomerate.
Cambrian Dundas Group and Correlates	Cd	Dolomitic sandstone, siltstone, minor conglomerate.
Cambrian Dundas Group and Correlates	Cc	Siliceous lithowacke, quartzwacke, mudstone. Conglomerate breccias indicated (Ccb).
Cambrian Dundas Group and Correlates	Cc	Felsic volcanoclastic lithowacke, siltstone (Edsp). felsic tuff (Edvt) of White Spur Formation.
Cambrian Dundas Group and Correlates	Cc	Shale and siltstone.
Cambrian Dundas Group and Correlates	Cc	Lithowacke-siltstone. Miscellaneous lithowacke (Edgn) and sulfurous lithowacke (Edgs) indicated.
Cambrian Dundas Group and Correlates	Cc	Felsic lava. Quartz-feldspar-phryic (Fcd) and feldspar-phryic (Fcd) lavas indicated.
Cambrian Dundas Group and Correlates	Cc	Felsic tuff. Dominantly vitric tuff (Fcdv).
Cambrian Dundas Group and Correlates	Ccb	Basalt (Edb) and andesite (Eda) of Mount Read Volcanics.
Cambrian Dundas Group and Correlates	Ccb	Epitaxial breccia and sandstone with clasts of basalt, andesite, felsic lava and massive sulphide. Intersections of andesite and basaltic volcanics, felsic lava and massive sulphide.
Tyndall Group	Tc	Volcanoclastic conglomerate, sandstone and mudstone. Minor tuff.
Tyndall Group	Tc	Quartz-feldspar phryic tuff and agglomerate. Minor lava.
Tyndall Group	Tc	Mudstone and volcanoclastic sandstone.
Tyndall Group	Tc	Interbedded quartz-rich sandstone, conglomerate and mudstone (Middle to Late Cambrian Strick Range Beds).
Central Association of Mount Read Volcanics	C1	Slate and volcanoclastic sandstone (C1s), tuffaceous units (C1t) of Farrell State.
Central Association of Mount Read Volcanics	C2	Quartz-feldspar-phryic tuff (C2t) and lava (C2l), volcanoclastic conglomerate (C2c), mudstone (C2m). Possible correlates of Tyndall Group.
Central Association of Mount Read Volcanics	C3	Granite.
Central Association of Mount Read Volcanics	C4	Quartz-feldspar porphyry, mainly intrusive.
Central Association of Mount Read Volcanics	C5	Quartz-phryic lava.
Central Association of Mount Read Volcanics	C6	Basalt lava.
Central Association of Mount Read Volcanics	C7	Andesite lava.
Central Association of Mount Read Volcanics	C8	Felsic lava-feldspar-phryic or phryic. Unit of hornblende-phryic lava and minor tuff (C8t) indicated.
Central Association of Mount Read Volcanics	C9	Felsic tuff and agglomerate. Dominantly granitic (C9t), dominantly agglomerate (C9a), crystal-litic tuff and spinitic rocks (C9s), rhyolite tuff (C9r).
Central Association of Mount Read Volcanics	C10	Siltstone, shale, minor sandstone and tuff. Chert indicated (C10c).
Central Association of Mount Read Volcanics	C11	Quartz-phryic tuff and agglomerate, minor siltstone-shale horizons.
Central Association of Mount Read Volcanics	C12	Basalt, dolerite and gabbro intrusives.
South and East of Henty Fault	C13	Felsic quartz-feldspar porphyry, mainly intrusive.
South and East of Henty Fault	C14	Siltstone, shale, mudstone, bedded tuff. Units of bedded tuff, in places graded, siltstone, mudstone and agglomerate indicated (C14a). Units of black mudstone, siltstone, fine-grained siliceous sandstone and coarse-grained volcanoclastic sandstone indicated (C14c). Chert indicated (C14c).
South and East of Henty Fault	C15	Andesitic, hornblende-bearing porphyry.
South and East of Henty Fault	C16	Andesitic, hornblende-bearing porphyry.
South and East of Henty Fault	C17	Grey-green intermediate or mafic agglomerate, tuff, lava and intrusives.
South and East of Henty Fault	C18	Dominantly green chlorite-rich feldspar porphyry lava of andesite to dacite composition with minor tuff and siltstone.
South and East of Henty Fault	C19	Intermediate to felsic graded, bedded agglomerate and crystal tuff interbedded with volcanoclastic sandstone, mudstone and mafic dykes (White Spur sequence).
South and East of Henty Fault	C20	Dominantly massive feldspar porphyry lava and intrusive rocks; in places flow-banded or coarsely fragmental. Some phengite-poor varieties.
South and East of Henty Fault	C21	Dominantly feldspar-phryic tuff and agglomerate, rare mudstone and sandstone.
Western Volcano - Sedimentary Association of Langford River - Lynchford Areas	C22	Ultramafic rocks, serpentinite.
Western Volcano - Sedimentary Association of Langford River - Lynchford Areas	C23	Gabbro.
Western Volcano - Sedimentary Association of Langford River - Lynchford Areas	C24	Andesitic (C24a) and basaltic (C24b) volcanics.
Western Volcano - Sedimentary Association of Langford River - Lynchford Areas	C25	Interbedded lithowacke, mudstone and siltstone with minor conglomerate and tuff. Mafic dykes form a major component of sequence in some places.
Western Volcano - Sedimentary Association of Langford River - Lynchford Areas	C26	Felsic tuff.
Western Volcano - Sedimentary Association of Langford River - Lynchford Areas	C27	Intrusive and extensive quartz-feldspar porphyry, extensive porphyry interbedded with derived sandstone, siltstone and mudstone indicated (Edsp).
Western Volcano - Sedimentary Association of Langford River - Lynchford Areas	C28	Felsic tuff, vitric tuff, crystal tuff with black mudstone, sandstone and agglomerate. Dominantly quartz-rich crystal tuff (Edvt) and black mudstone (Edmb) indicated.
Western Volcano - Sedimentary Association of Langford River - Lynchford Areas	C29	Quartz-rich sandstone and minor mudstone (Mines Ridge Sandstone).
Western Volcano - Sedimentary Association of Langford River - Lynchford Areas	C30	Miscellaneous lithowacke and mudstone. Units of feldspar-minor quartz crystal tuff (Edvt) indicated.
Western Volcano - Sedimentary Association of Langford River - Lynchford Areas	C31	Andesite and andesitic tuff, mainly hornblende-bearing.
Western Volcano - Sedimentary Association of Langford River - Lynchford Areas	C32	Mafic to intermediate intrusives, lava, tuff and agglomerate, feldspar-pyroxene porphyry.
Western Volcano - Sedimentary Association of Langford River - Lynchford Areas	C33	Basalt and basaltic tuff, frequently with ophitic texture.
Crimson Creek Formation	C34	Unfossiliferous mudstone, mafic volcanoclastic lithowacke, basalt.
Precambrian	Pc	Mudstone, sandstone, Devonian Formation correlates.
Precambrian	Pm	Metamorphosed quartzite, phengitic phyllite and schist of Tynanes Region.
Geological boundary inferred.		- - - - -
Geological boundary approximate.		- · - · -
Axial surface trace of major system, antiform.		+
Fault, position approximate.		- - - - -
Fault, inferred or concealed.		- · - · -
Thrust fault, teeth on upper plate.		- - - - -



PUBLISHED
 1. Corbett, E.D. McNeill, A., 1986. Mount Read Volcanics Map 2. Geology of the Rosebery-Mt. Black area.
 2. Corbett, E.D., 1986. Mount Read Volcanics Map 3. Geology of the Henty River-Mt. Read area.
 3. Corbett, E.D., 1981. Stratigraphy and Mineralization in the Mt. Read Volcanics, Western Tasmania. Econ. Geol., 76, 209-300.

