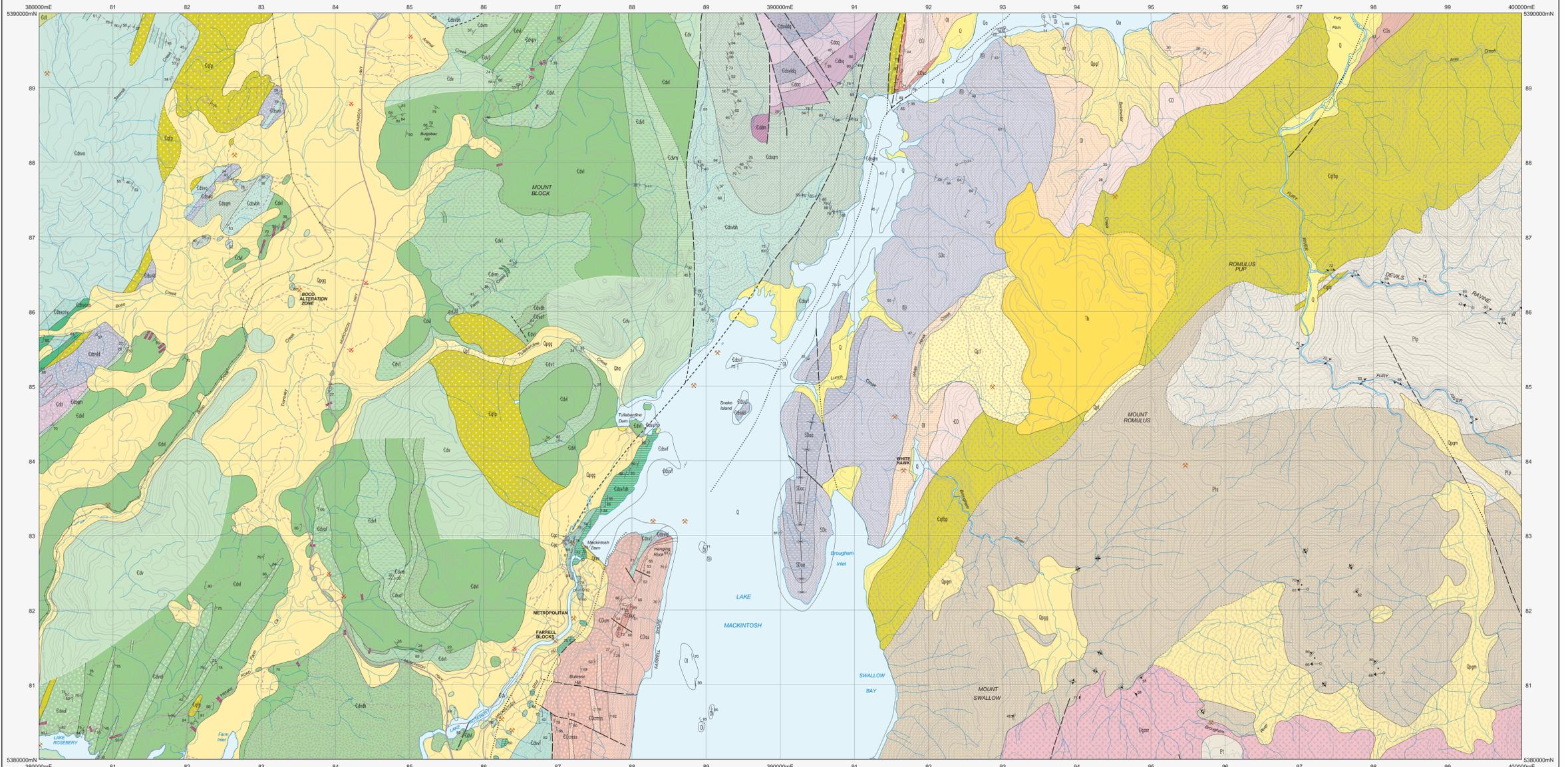


BLOCK

Scale: 1:25 000



PERIOD	UNIT CODE	DESCRIPTION
CENOZOIC	Qhm	Cultural features - mine tailings, dams, (Qhm).
	Qha	Alluvium, swamp and marsh deposits (Qha).
	Qsp	Talus and scree deposits (Qsp).
	Qspg	Glacial deposits, usually bouldery (Qspg).
	Qm	Mostly moraine deposits (Qm).
	Qgr	Mostly fluvio-glacial gravels (Qgr).
	Tb	Basalt with minor associated sediments in places (Tb).
	SDac	Siltstone-correlate of Austral Creek Siltstone (SDac).
	SDak	Quartzite-correlate of Keel Quartzite (SDak).
	SDc	Siltstone and shale - correlate of Amber Slate (SDc).
PALEOZOIC	SDc	Quartzite and sandstone-correlate of Crofty Quartzite (SDc).
	Di	Limestone with minor siltstone and sandstone (Di).
	COsu	Undifferentiated upper Owen Sandstone and correlatives. Upper unit of sandstone and granite-pebble conglomerate with subordinate siltstone. Clasts of chert common (COsu).
	COd	Units of coarser pebble-cobble conglomerate (COd).
	COcm	Pebble-cobble to cobble-boulder conglomerate, thick-bedded to massive, with minor sandstone lenses. Middle Owen Conglomerate and correlatives (COcm).
	COms	Units of predominantly sandstone (COms).
	COv	Volcanic conglomerate, breccia and sandstone, usually at base of sequence, includes correlatives of lakes Conglomerate (COv).
	Cdb	Dominantly felsic volcanic and volcanoclastic rocks (Cdb).
	Cdbv	Quartz-feldspar +/- biotite porphyry bodies, mostly intrusive but may be partly extrusive (Cdbv).
	Cdbq	Mainly felsic volcanoclastic and pyroclastic rocks, including pumice-bearing units (Cdbq).

PERIOD	UNIT CODE	DESCRIPTION
CAMBRIAN	Cdb	Volcanoclastic sandstone and breccia, with interbedded siltstone, mudstone and minor conglomerate (Cdb) (Cdb - correlate of Lynch Group).
	Cdbv	Volcano-sedimentary sequence of shale, siltstone, volcanoclastic sandstone and breccia, siliciclastic sandstone and minor felsic lava (Cdbv).
	Cdbq	Dominantly grey-black shale and siltstone with some interbedded sandstone (Cdbq).
	Cdbvsu	Dominantly volcanoclastic sandstone with interbedded mudstone and breccia (Cdbvsu).
	Cdbvl	Felsic lava, typically feldspar +/- quartz-phyric (Cdbvl).
	Cdbv	Interbedded volcanoclastic breccia, sandstone, siltstone and mudstone, with minor felsic lava and intrusive-extrusive porphyry bodies (Cdbv).
	Cdbvs	Dominantly volcanoclastic sandstone and mass-flow breccia, typically quartz-feldspar-phyric (Cdbvs).
	Cdbvs	Interbedded sandstone and siltstone (Cdbvs).
	Cdbv	Feldspar-quartz +/- biotite porphyry, mainly intrusive but may be partly extrusive (Cdbv).
	Cdbv	Mainly dacitic lava and breccia, typically feldspar-quartz-phyric (Cdbv).

PERIOD	UNIT CODE	DESCRIPTION
MESOPROTEROZOIC	Ptp	Dominantly phyllite (Ptp).
	Pta	Dominantly quartzite (Pta).
	Dgpr	Medium- to coarse-grained porphyritic (K-feldspar) to equigranular, biotite-muscovite-bearing aegial feldspar (Granite Tor Granite, S-type).
	Cdbv	Quartz-feldspar +/- biotite porphyry, mainly intrusive (Cdbv).
	Cdbp	Quartz-feldspar-biotite +/- hornblende porphyry (Cdbp).
	Cdbq	Feldspar-quartz porphyry, typically with spherulitic ground mass (Cdbq).
	Cdb	Basaltic dykes, typically chlorite-altered (Cdb).
	Cg	Gabbro (Cg).
	Cdb	Dolerite associated with Que-Halley Volcanics (Cdb).
	Cdb	Dolerite associated with Que-Halley Volcanics (Cdb).

- Strike and dip of bedding - right way up; overturned; facing unknown.
- Strike of vertical bedding, facing unknown.
- Strike and dip of metamorphic foliation parallel to compositional layering; vertical. Relative local age S1.
- Strike and dip of cleavage of unspecified type and relative age; vertical.
- Strike and dip of cleavage or foliation, relative local age S2.
- Trend and plunge of lineation of unspecified type.
- Trend and plunge of bedding/primary cleavage intersection (L1).
- Trend and plunge of early lineation in quartzite layers and intersection of S1 S2 in pelitic rocks. Relative local age S2.
- Strike and dip of dominant joint set.
- Strike and dip of igneous banding or platy alignment; vertical.
- Macrofossil locality.
- Field station for adjacent readings on the map.
- Notable small fault or log occurrence, with rock unit indicated.
- Mineral deposit location - hardrock. Data derived from Mineral Resources Tasmania DEPOSITS database. Date point position has not been verified in every case.
- Construction material/industrial mineral/gemstone location.

Compiled by J. Pemberton, B.Sc. (Hons), A.W. McNeill, B.Sc. (Hons), K.D. Corbett, B.Sc. (Hons), Ph.D. and M.J. Vicary, B.Sc. (Hons), 1995 from the following sources (see responsibility diagram):

A CORBETT, K.D. and McNEILL, A.W., 1986. Geology of the Rosebery-Mt Black area. Mt Black Volcanic Project Map 2, Department of Mines, Tasmania.

B BARTON, C.M. et al. 1968. Geological Atlas 1:63 300 Series. Sheet 44 (607-61), Macquarie, Department of Mines, Tasmania.

C VICARY, M.J. and PEMBERTON, J., 1986. Geology of the Black Peak-Cradle Mountain-Lake Road area. Mt Black Volcanic Project Map 7. Department of Mines, Tasmania.

D RICHARDSON, S.M., 1994. Exploration Licence 106/87 Lake Mackintosh Tasmania. Progress report for the period April 1993 to February 1994. Abertyle Resources Ltd. TCR 94-3837.

Updated by:

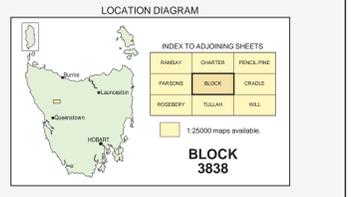
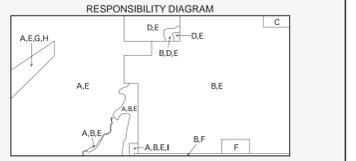
E K.D. Corbett, 2003. Revised and updated after WTRMP studies.

F McLELLAND, M.P., 2001. Ground mapping of Western Tasmania Regional Minerals Program: topographical data in the Cradle Tor area. Tasmania Geological Survey Record 2003/10. Mineral Resources Tasmania.

G McNEILL, A.W., 2002. EL 42000 Balgoban. Annual report for the period ending May 16, 2002. Patermoro Exploration. TCR 02-4667.

H REID, R.C., 1980. The geology of the Burns Peak-Boo Road area. BSc(Hon), Thesis, University of Tasmania.

I McDONALD, I.R., et al., 1980. Mt Black Exploration Licence 1/62. Report on Work Undertaken 30th June 1979 to 30th June 1980. Ecotoplyte Zinc Company of Australasia Ltd. TCR 80-1468.



REFERENCE THIS MAP AS:
PEMBERTON, J., McNEILL, A.W., CORBETT, K.D. and VICARY, M.J. (compilers) 1995. Digital Geological Atlas 1:25 000 Scale Series. Sheet 3838 Block, Mineral Resources Tasmania.

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Website: www.mrt.tas.gov.au

GD484 - MGA Zone 55. Contour Interval: 20 metres.

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