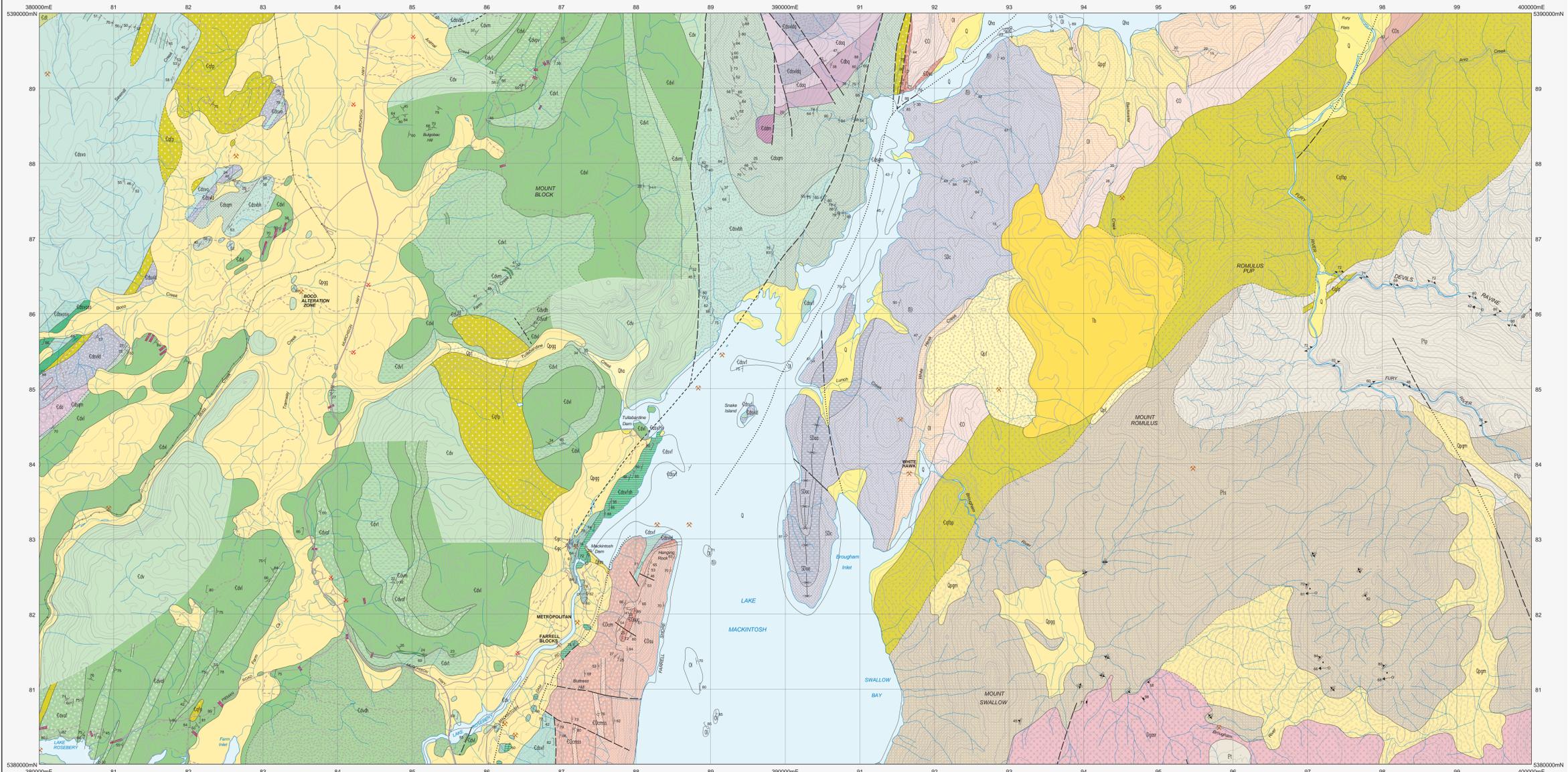


BLOCK

Scale: 1:25 000



PERIOD	UNIT	DESCRIPTION
CENOZOIC	Quaternary	Qhm Cultural features - mine tailings, dams, (Qhm)
	Qha Alluvium, swamp and marsh deposits (Qha)	
	Qsp Talus and scree deposits (Qsp)	
	Qagp Glacial deposits, usually bouldery (Qagp)	
	Qmgn Mostly moraine deposits (Qmgn)	
	Qmgn Mostly fluvio-glacial gravels (Qmgn)	
	Qmgn Basalt with minor associated sediments in places (Tb)	
	Qmgn Siltstone-correlate of Austral Creek Siltstone (SDac)	
	Qmgn Quartzite-correlate of Keel Quartzite (SDak)	
	Qmgn Siltstone and shale - correlate of Amber Slate (Sda)	
PALEOZOIC	Qmgn Quartzite and sandstone-correlate of Crusty Quartzite (SDc)	
	Qmgn Limestone with minor siltstone and sandstone (Ql)	
	Qmgn Undifferentiated upper Owen Sandstone and correlatives. Upper unit of sandstone and granite-pebble conglomerate with subordinate siltstone. Clasts of chert common. (COsu)	
	Qmgn Units of coarser pebble-cobble conglomerate (COcu)	
	Qmgn Pebble-cobble to cobble-boulder conglomerate, thick-bedded to massive, with minor sandstone lenses. Middle Owen Conglomerate and correlatives (COcm)	
	Qmgn Units of predominantly sandstone (COms)	
	Qmgn Volcanic conglomerate, breccia and sandstone, usually at base of sequence, includes correlate of Jakes Conglomerate (COvj)	
	Qmgn Interbedded volcanic breccia, sandstone, siltstone and mudstone, with minor felsic lava and intrusive-extrusive porphyry bodies (Cdvov)	
	Qmgn Interbedded sandstone and siltstone (Cdvoss)	
	Qmgn Felsic lava, typically felsolite +/- quartz-phyric (Cdvof)	

PERIOD	UNIT	DESCRIPTION
CAMBRIAN	Catf Volcanic sandstone and breccia, with interbedded siltstone, mudstone and minor conglomerate (Catf) - correlate of Lynch Group	
	Catvf Volcano-sedimentary sequence of shale, siltstone, volcaniclastic sandstone and breccia, siliciclastic sandstone and minor felsic lava (Catvf)	
	Catvss Dominantly grey-black shale and siltstone with some interbedded sandstone (Catvss)	
	Catvsv Dominantly volcaniclastic sandstone with interbedded mudstone and breccia (Catvsv)	
	Catvsl Felsic lava, typically felsolite +/- quartz-phyric (Catvsl)	
	Cdvov Interbedded volcanic breccia, sandstone, siltstone and mudstone, with minor felsic lava and intrusive-extrusive porphyry bodies (Cdvov)	
	Cdvoss Interbedded sandstone and siltstone (Cdvoss)	
	Cdvof Felsic lava, typically felsolite +/- quartz-phyric (Cdvof)	
	Cdvof Mafic dyke, typically chlorite-altered (Cdvof)	
	Cdvof Gabbro (Cdvof)	
MESOZOIC	Cdvof Dolerite associated with Que-Volley Volcanics (Cdvof)	
	Cdvof Mafic dyke, typically chlorite-altered (Cdvof)	
	Cdvof Gabbro (Cdvof)	
	Cdvof Dolerite associated with Que-Volley Volcanics (Cdvof)	
	Cdvof Mafic dyke, typically chlorite-altered (Cdvof)	
	Cdvof Gabbro (Cdvof)	
	Cdvof Dolerite associated with Que-Volley Volcanics (Cdvof)	
	Cdvof Mafic dyke, typically chlorite-altered (Cdvof)	
	Cdvof Gabbro (Cdvof)	
	Cdvof Dolerite associated with Que-Volley Volcanics (Cdvof)	

PERIOD	UNIT	DESCRIPTION
MESOZOIC	Ptp Dominantly phyllite (Ptp)	
	Pta Dominantly quartzite (Pta)	
	Dgprv Medium- to coarse-grained porphyritic (K-feldspar) to equigranular, biotite-muscovite-bearing aegial felsolite (Granite Tor Granite, S-type)	
	Catfb Quartz-feldspar +/- biotite porphyry, mainly intrusive (Catfb)	
	Catfp Quartz-feldspar-biotite +/- hornblende porphyry (Catfp)	
	Catfs Felsolite-quartz porphyry, typically with spherulitic ground mass (Catfs)	
	Cdvof Mafic dyke, typically chlorite-altered (Cdvof)	
	Cdvof Gabbro (Cdvof)	
	Cdvof Dolerite associated with Que-Volley Volcanics (Cdvof)	
	Cdvof Dolerite associated with Que-Volley Volcanics (Cdvof)	

- 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 Rosbery-Mt Black area. Mt Rosbery Volcanic Project Map 2, Department of Mines, Tasmania.

B BARTON, C.M. et al. 1968. Geological Atlas 1:63 300 Series. Sheet 44 (807-84), Macintosh, Department of Mines, Tasmania.

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

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

Updated by:

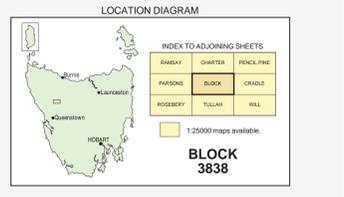
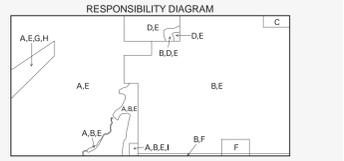
E K.D. Corbett, 2003. Revised and updated after WTRMP studies.

F McLELLAND, M.P., 2001. Ground mapping of Western Tasmania Regional Minerals Program. Geological 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. Paterson 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 5th June 1979 to 20th June 1980. Econolyte 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

GDA84 - MGA Zone 55. Contour Interval: 20 metres.

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