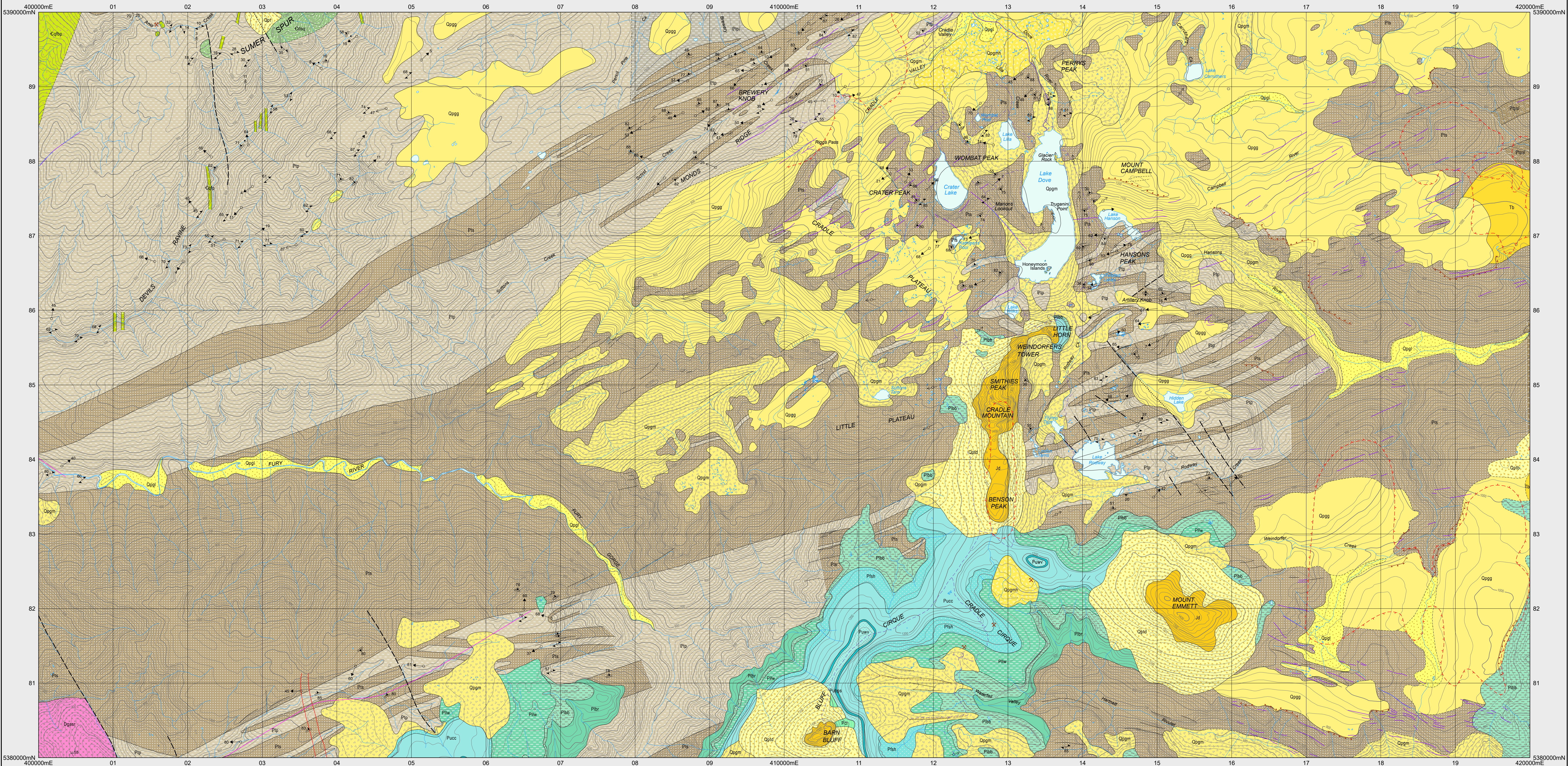


CRADLE

Scale 1:25 000



CENOZOIC	QUATERNARY	PLEISTOCENE	Opl	Undifferentiated talus deposits (Opl).
			Qpbt	Basalt talus (Qpbt). Talus consisting dominantly of dolerite boulders (Qpdt).
PALEOCENE-NEOGENE	Pleistocene	Pleistocene	Opgg	Glacial and glaciogenic deposits (Opgg).
			Opgl	Fluvioglacial and lacustrine deposits (Opgl).
			Opgmh	Hummocky moraine (Opgmh).
			Opgm	Moraine and associated deposits (Opgm).
PALEOZOIC	PERMIAN	Permian	Tb	Basalt (Tb).
			Pci	Well bedded to massive quartz-feldspathic sandstone, bioturbated argillaceous mudstone and carbonaceous shale and sandstone (Mt Inglis Sandstone) (Pci).
			Puwv	Predominantly blue-grey argillaceous mudstone and siltstone (Waterfall Valley Siltstone) (Puwv).
			Pubps	Fine to coarse grained quartz-feldspathic sandstone and minor pebble conglomerate (Benson Peak Sandstone) (Pubps).
			Pucc	Black carbonaceous siltstone, quartzose siltstone and quartz-feldspathic sandstone (Lake Holmes Coal Measures) (Pucc).
			Pflsh	Well bedded micaceous and argillaceous siltstone with minor pebbly siltstone, calcareous siltstone and fossiliferous limestone (Cradle Cirque Siltstone) (Pflsh).
			Pflw	Well stratified sequence of siltstone and conglomerate, calcareous siltstone, mudstone and sandstone (Lake Will Pebbly Siltstone) (Pflw).
			Pflbt	Massive, poorly bedded and sorted pebble-boulder grade conglomerate (Barn Bluff Conglomerate) (Pflbt).
CAMBRIAN	Cambrian Series 3	Cambrian Series 3	Pflbr	Pebbly siltstone and conglomerate with minor limestone and sandstone (Bluff River Pebbly Siltstone) (Pflbr).
			Cdsq	Undifferentiated Shilt Range Beds - siliciclastic sandstone and conglomerate with interbedded micaceous siltstone and minor volcanoclastic rocks. Rare marine fossils (Cdsq).

UPPER ARMSTRONG SUPERGROUP
LOWER PARMEER SUPERGROUP
MT READ VOLCANICS

MESOPROTEROZOIC	MIO-PROTEROZOIC	PROTEROZOIC	Pts	Dominantly quartzite (Pts).
			Ptps	Interlayered phyllite and quartzite (Ptps).
PALEOZOIC	DEVONIAN	Devonian	Ptp	Dominantly phyllite, with minor schist, quartzite and siltstone. Unmetamorphosed to relatively low metamorphic grade (Ptp).
			Dipal	Lenticular bedded to banded siltstone and minor quartz sandstone with guller casts, sand filled crack features and pebbly layers (Dipal).
			Ptpi	Dominantly dark grey quartz-mica phyllite and schist, sometimes porphyroblastic and occasionally containing albite-chlorite-biotite-phengite and minor garnet. Intermediate grade (Ptpi).
			Ptpg	Fine to coarse-grained, often thinly banded, pelitic, garnetiferous, quartz-mica schist, commonly containing phengite, almandine, albite and chlorite. High grade (Ptpg).

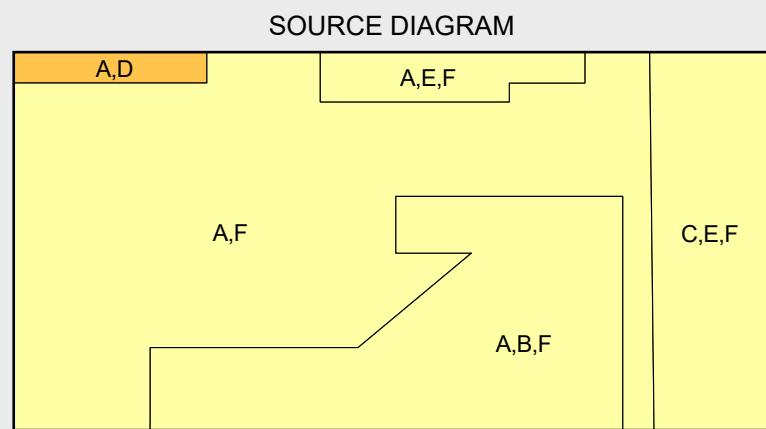
INTRUSIVE ROCKS

MESO-PROTEROZOIC	MIO-PROTEROZOIC	PROTEROZOIC	Jd	Dolerite and related rocks (Jd).
			Dgast	Medium- to coarse-grained, porphyritic (K-feldspar) to equigranular, biotite-muscovite-bearing alkali feldspar granite (Granite Tor Granite; S-type) (Dgast).
PALEOZOIC	DEVONIAN	Devonian	Cqfp	Quartz - feldspar porphyry, dominantly intrusive (Cqfp).
			Cqfbp	Quartz - feldspar ± biotite ± hornblende porphyry (Cqfbp).

TYNNAN REGION MEASUREMENTS
MT READ VOLCANICS

CONTACTS	Geological contact	Geological contact - inferred	Limit of mapping of sub-unit within undifferentiated rock unit.
FAULTS	Fault	Fault - concealed	Trend and plunge of lineation of unspecified type.
LINEARS	Moraine ridge crest	Lineament - visible on aerial photographs	Lineament - visible in magnetic data
LINEARS	Magnetic gradient or lineament (direction towards lower values indicated)	Internal intrusive boundary within igneous body - inferred	Field station for adjacent readings on the map
LINEARS	Mineral deposit location - hardrock	Mineral deposit location - inferred	Mineral deposit location - inferred

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- Highly detailed (eg. more detailed than 1:25 000 scale mapping).
- Detailed systematic (eg. 1:25 000 map or equivalent detail).
- Regional systematic (eg. 1:50 000, 1:63 360 map or equivalent detail).
- Regional mapping less detailed than 1:63 360 map or equivalent (all other scales).
- Reconnaissance mapping with sparse ground traverses.
- Remote sensing and/or geophysical interpretation with limited or no ground information.

Compiled by M.J. Vicary, B.Sc (Hons), 2004 as part of the Western Tasmanian Regional Minerals Program from the following sources (see source diagram):

A. BARTON, C.M. BURNS, K.L. GEE, R.D. GROVES, D.I. GULLINE, A.B. JENNINGS, D.J. LONGMAN, M.J. MARSHALL, B. MATHEWS, W.L. MOORE, W.R. NAKO, I.H. THREADEL, V.M. and UROSHART, G. 1988. Geological Atlas 1 Mile Series. 8014N1 & IV Zone 7 Sheet 44, Macintosh. Tasmania Department of Mines.

B. GEE, R.D. and BURNS, K.L. 1986. Permian stratigraphy and sedimentation in the Barn Bluff area, central Tasmania. Rep. Geol. Surv. Tasn. 10.

C. JENNINGS, I.B. and BURNS, K.L. 1985. Geological Atlas 1 Mile Series. Zone 7 Sheet 45, Macintosh. Tasmania Department of Mines.

D. VICARY, M.J. and PEMBERTON, J. 1988. Mount Read Volcanics Project Map 7. Geology of the Back Peak - Cradle Mountain Link Road area. Geol. Surv. Tasmania. Dept. of Mines. Hobart.

E. Air photograph interpretation by M. Vicary.

Updated by:

F. Air photo, LIDAR and geophysics interpretation by G.V. Cumming, 2026.

REFERENCE THIS MAP AS:

VICARY, M.J. (compiler) 2004. Digital Geological Atlas 1:25 000 Scale Series. Sheet 4038 Cradle. Mineral Resources Tasmania.

Base data from the LIST. Copyright State of Tasmania.

Map produced by Spatial Information Services, Mineral Resources Tasmania.

Website: www.mrt.tas.gov.au

GDAM - MGA Zone 55. Contour interval: 20 metres.

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LOCATION DIAGRAM

