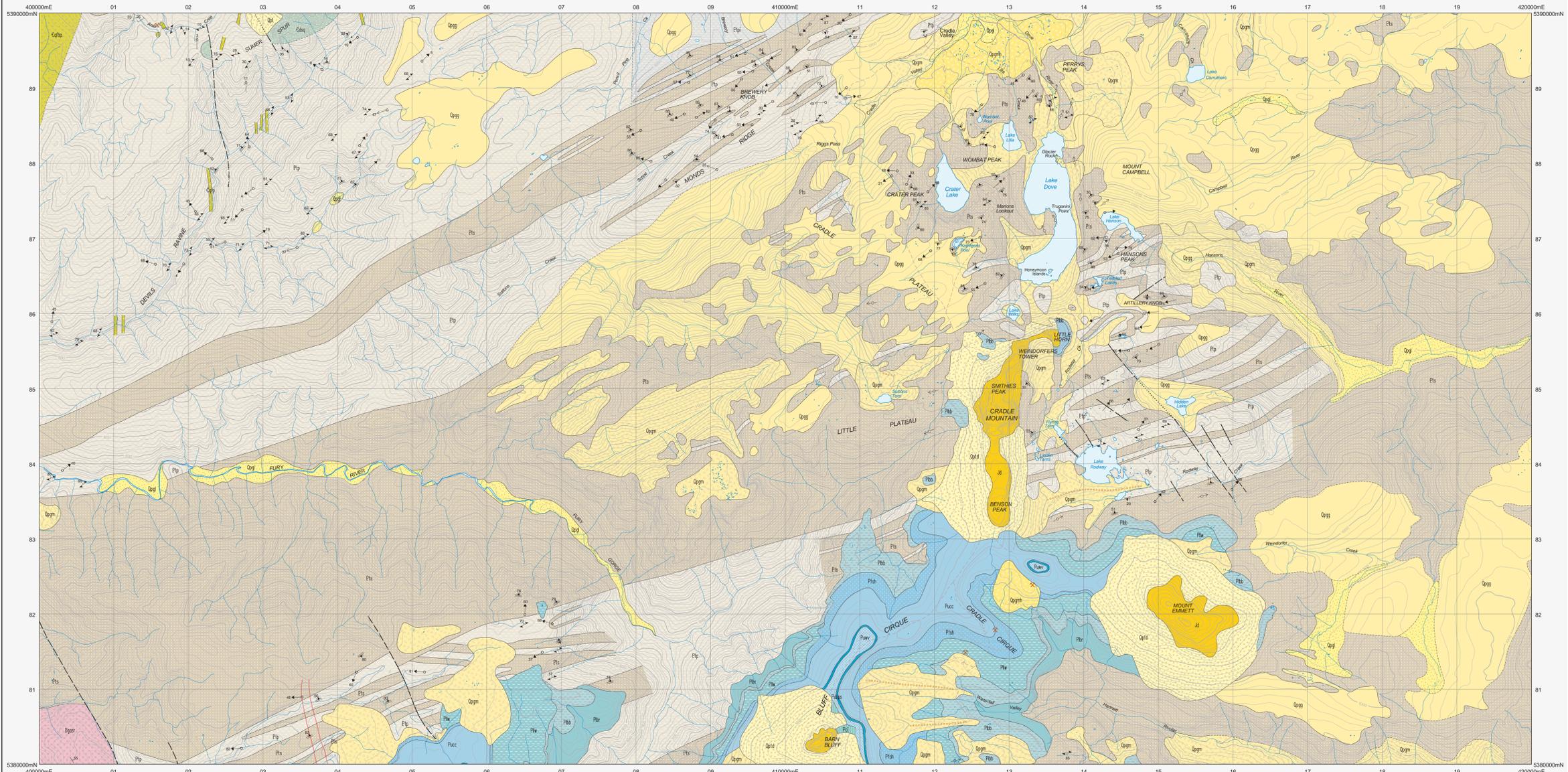


CRADLE

Scale: 1:25 000



CENOZOIC		QUATERNARY	
		PLEISTOCENE	
Qp1	Undifferentiated loess deposits (Qp1).	Qp1a	Talus consisting dominantly of dolerite boulders (Qp1a).
Qp2	Glacial and glaciogenic deposits (Qp2).	Qp2a	Fluvioglacial and lacustrine deposits (Qp2a).
Qp3	Hummocky moraine (Qp3m).	Qp3m	Moraine and associated deposits (Qp3m).
Pt1	Well bedded to massive quartz-feldspathic sandstone, bioturbated argillaceous mudstone and carbonaceous shale and sandstone (Mt Inglis Sandstone) (Pt1).	Puvw	Predominantly blue-grey unfossiliferous mudstone and siltstone (Waterfall Valley Siltstone) (Puvw).
Pt2	Fine to coarse grained quartz-feldspathic sandstone and minor pebble conglomerate (Barn Bluff Sandstone) (Pt2).	Pucc	Well bedded micaceous and argillaceous siltstone with minor pebbly siltstone, calcareous siltstone and fossiliferous limestone (Cradle Cirque Siltstone) (Pucc).
Pt3	Block carbonaceous siltstone, quartzite siltstone and quartz-feldspathic sandstone (Lake Holmes Coal Measures) (Pt3).	Pfsh	Block carbonaceous siltstone, quartzite siltstone and quartz-feldspathic sandstone (Lake Holmes Coal Measures) (Pfsh).
Pt4	Well stratified sequence of siltstone and conglomerate, calcareous siltstone, mudstone and sandstone (Lake Wil Pebbly Siltstone) (Pt4).	Pfb	Massive, poorly bedded and sorted pebble-boulder grade conglomerate (Barn Bluff Conglomerate) (Pfb).
Pt5	Pebbly siltstone and conglomerate with minor limestone and sandstone (Barn Bluff Pebbly Siltstone) (Pt5).	Pbr	Pebbly siltstone and conglomerate with minor limestone and sandstone (Barn Bluff Pebbly Siltstone) (Pbr).
Cd1	Undifferentiated Sticht Range Beds - siliclastic sandstone and conglomerate with interbedded micaceous siltstone and minor volcanoclastic rocks, flow matrix (Cd1).		

MT ROAD
LOWER PALEOZOIC SUPERGROUP
UPPER SUPERGROUP
VOLCANICS

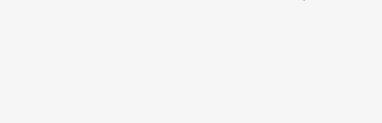
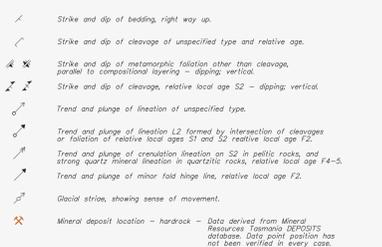
MESO-PROTEROZOIC	
JURASSIC	
Pt1s	Dominantly quartzite (Pt1s).
Pt1p	Dominantly phyllite, with minor schist, quartzite and siltstone. Unmetamorphosed to relatively low metamorphic grade (Pt1p).
Pt1q	Dominantly dark grey quartz-nice phyllite and schist, sometimes porphyroblastic and occasionally containing albite-titanite-biotite-phenigle and minor garnet, intermediate metamorphic grade (Pt1q).
Pt1r	Fine- to coarse-grained, often thinly bedded, pelitic, garnetiferous, quartz-muscovite schist, commonly containing phenigle, almandine, albite and chlorite. Relatively high metamorphic grade (Pt1r).

INTRUSIVE ROCKS	
Jd	Dolerite and related rocks (Jd).
Qdgr	Medium- to coarse-grained, porphyritic (K-feldspar) to equigranular, biotite-muscovite-bearing alkali feldspar granite (Cradle Top Granite, S-type) (Qdgr).
Cd1p	Quartz - feldspar porphyry, dominantly intrusive (Cd1p).
Cd1b	Quartz - feldspar +/- biotite +/- hornblende porphyry (Cd1b).

PALEOZOIC
DEVONIAN
CAMBRIAN SERIES
CAMBRIAN SERIES
VOLCANICS

TASMANIAN REGION METASEDIMENTS	
Geological boundary - position accurate or approximate.	Geological boundary - position inferred.
Moraine Ridge Crests.	Fault - position accurate or approximate.
Fault - position concealed.	Lineament visible on airborne magnetic data.
Limit of mapping of sub-unit within undifferentiated rock unit.	

TASMANIAN REGION METASEDIMENTS	
Strike and dip of bedding, right way up.	Strike and dip of cleavage of unspecified type and relative age.
Strike and dip of metamorphic foliation other than cleavage, parallel to compositional layering - dipping, vertical.	Strike and dip of cleavage, relative local age S2 - dipping, vertical.
Trend and plunge of lineation of unspecified type.	Trend and plunge of lineation L2 formed by intersection of cleavages or foliation of relative local ages S1 and S2 relative local age L2.
Trend and plunge of crenulation lineation on S2 in pelitic rocks, and strong quartz mineral lineation in quartzitic rocks, relative local age F4-5.	Trend and plunge of minor fold hinge line, relative local age F2.
Glacial striae, showing sense of movement.	Mineral deposit location - hardrock - Data derived from Mineral Resources Tasmania DEPOSITS database. Data point position has not been verified in every case.



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

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Map produced by the Geoscience Information Branch of Mineral Resources Tasmania using G.I.S. software.
GDA84 - MGA Zone 55. Contour Interval: 20 metres.

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

A. BARTON, C.M. BURNS, K.L. GEE, R.D. GROVES, D.L. GULLINE, A.B. JENNINGS, D.J. LONGMAN, M.J. MARSHALL, B. MATHEWS, W.L. MOORE, W.R. NAGLE, U.L. THREASOLDY, V.M. and URSCHAKT, E. 1986. Geological Atlas 1 Mile Series, 801-8N & 8V Zone 7 Sheet 44, Mackintosh, Tasmania Department of Mines.

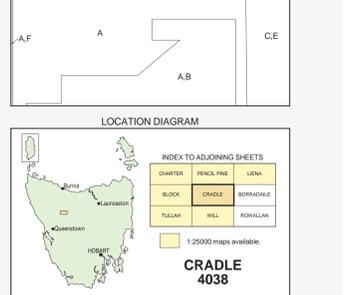
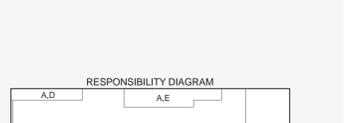
B. GEE, R.D. and BURNS, K.L. 1988. Permian stratigraphy and sedimentation in the Barn Bluff area, central Tasmania. Rep. Geol. Surv. Tasmania 10.

C. JENNINGS, I.B. and BURNS, K.L. 1958. Geological Atlas 1 Mile Series, Zone 7 Sheet 45, Middlesex, Tasmania Department of Mines.

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E. An unpublished interpretation by M. Vicary.

F. K.D. Currier, 2003. Modified and Updated as part of the Western Tasmanian Regional Minerals Program.



Plotfile for this map generated from digital data as at: 20-JUN-2013