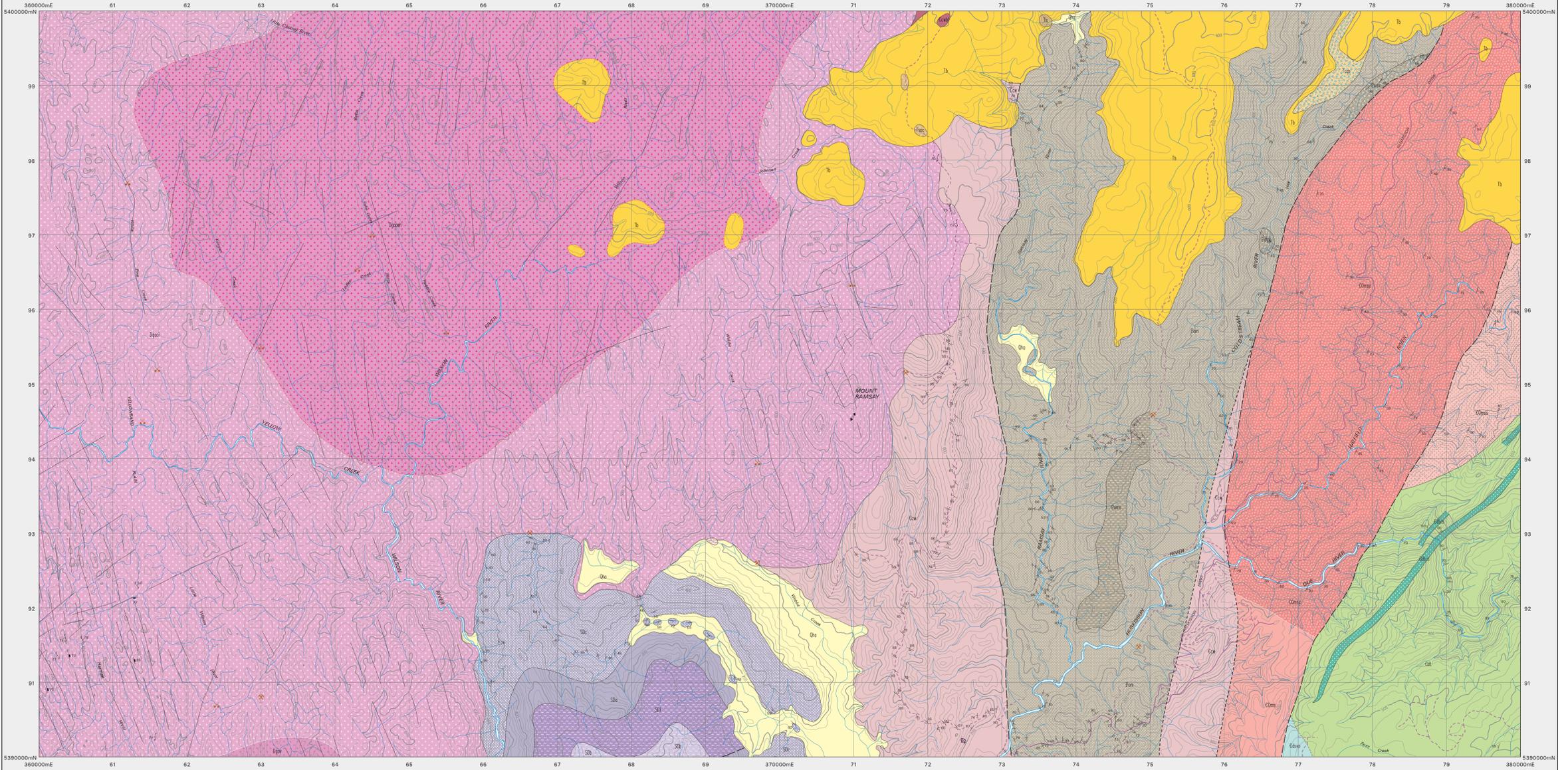


RAMSAY

Scale: 1:25 000



MINERAL RESOURCES TASMANIA
DIGITAL GEOLOGICAL ATLAS 1:25 000 SERIES
RAMSAY, SHEET 3639



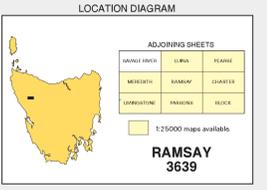
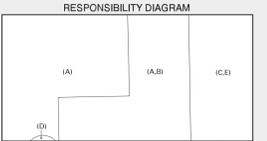
PERIOD	UNIT	DESCRIPTION
CANGAZOIC	Quaternary	Qho: Marsh and swamp deposits, alluvium, river gravels and slope-wash deposits (Qho). Erosional surface.
	Tertiary	Tb: Basalt (Tb). Tc: Sand, silt and conglomerate (Tsc), interlayered with basalt. Td: Sand and clay (Td). Te: Siliceous conglomerate, grit, occasional fossiliferous sandstone and clay (Te).
		Deviian
PALAEZOIC	Carboniferous	COms: Marine sandstone-siltstone-conglomerate sequence, silicified to quartzite (COms). COtrc: Marine conglomerate-rich sequence with some sandstone and mudstone, in Hatfield River area (COtrc). COms: Marine sandstone-siltstone-mudstone sequence, generally highly folded (COms).

PERIOD	UNIT	DESCRIPTION
PALAEZOIC	Middle Cambrian	Cdt: Mainly volcanoclastic to polymict sandstone, breccia, siltstone, mudstone and conglomerate sequence with some siliceous conglomerate units (Cdt). Cdvco: Mainly silicified conglomerate and sandstone (Cdvco). Cdvso: Interbedded volcanoclastic sandstone, breccia, siltstone, mudstone and conglomerate (Cdvso). Faulted contacts of Ccw attributed to major thrusting.
	Early Cambrian	Ccw: Mafic volcanoclastic siltstone, siltstone and mudstone with minor carbonate and basalt (Ccw). Ccwof: Dominantly planar flow basalt (Ccwof). Faulted contacts of Ccw attributed to major thrusting.
PROTEROZOIC	Neoproterozoic	Fam: Thinly bedded calcareous siltstone and conglomerate, with minor quartzite and mudstone (Fam). Famc: Conglomerate with well rounded limestone and quartzite pebbles in a calcareous matrix. May be part of a younger sequence (Famc). Ems: Dominantly quartz sandstone and quartzite with minor black laminated mudstone (Ems).
	Late Devonian - Early Carboniferous	Dg: Very coarse grained equigranular biotite granite, with very abundant inclusions of fine-to coarse-grained porphyritic quartz, K-feldspar, perthite and biotite (Dg). Dgav: Some areas of grey fine-to medium-grained porphyritic granite indicated (Dgav). Quartz-tourmaline nodules abundant (Dgav). Dgav - local phase of Merastin Granite.
		Dgob: Fine-to medium-grained, equigranular to sparsely porphyritic quartz, K-feldspar and perthite, biotite and minor hornblende-bearing sodomite (Wombat Flat phase of Merastin Granite) (Dgob).

- Geological boundary - position approximate.
- Geological boundary - inferred from airborne magnetic and/or radiometric data.
- Fault - position accurate or approximate.
- Fault - inferred.
- Air photo basement.
- (white line) Limit of mapping of sub-unit within undifferentiated rock unit.

- Strike and dip of bedding, facing known - right way up overturned.
- Strike and dip of bedding, facing unknown - dipping, vertical.
- Strike and dip of cleavage - dipping, vertical.
- Trend and plunge of hinge line of minor fold, with dip and dip direction of axial surface indicated, vertical axial surface.
- Strike and dip of dominant joint set.
- Strike and dip of strike or with rock type or mineral specified by RCODE in Point Attribute Table.
- Trend or apparent direction of K-feldspar phenocrysts on horizontal surface of granitic rock.
- Mineral deposit location - hardrock. Data derived from Mineral Resources Tasmania BERGDIS data base. Data point position has not been verified in every case.
- Mineral deposit location - alluvial. Data derived from Mineral Resources Tasmania BERGDIS data base. Data point position has not been verified in every case.
- Construction materials location - Data derived from Mineral Resources Tasmania BERGDIS data base. Data point position has not been verified in every case.

- Compiled by J.L. Everett, 1999 from the following sources (see responsibility diagram):
- A. Turner, N.J., Brown, A.V., McClelland, M.P. & Southam, 1991. Geological Atlas 1:50 000 series sheet 63 (7314), Corinna.
 - B. Brown, A.V. 1988. Geology of the Dundas-Mt Lindsay-Mt Youngback Region. Geological Survey Bulletin 63. Tasmania Department of Mines.
 - C. Collins, P.L.E., Giffney, A.B. & Williams, E. (comp.) 1981. Geological Survey Explanatory Report, Sheet 44 (80144), Mackintosh.
 - D. Shapiro, C. 1992. Subdivisions in the southern part of the Merastin Granite. Appendix 5 in Tasmania Department of Mines Report 1992/026.
 - E. Revised and updated after WITIMP studies by K.D. Corbett, 2003.



Base data from the LIST, Copyright State of Tasmania.
Map produced by the Data Management Branch of Mineral Resources Tasmania using GIS software.
AID64 - AMG Zone 55. Contour Interval: 20 metres.
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