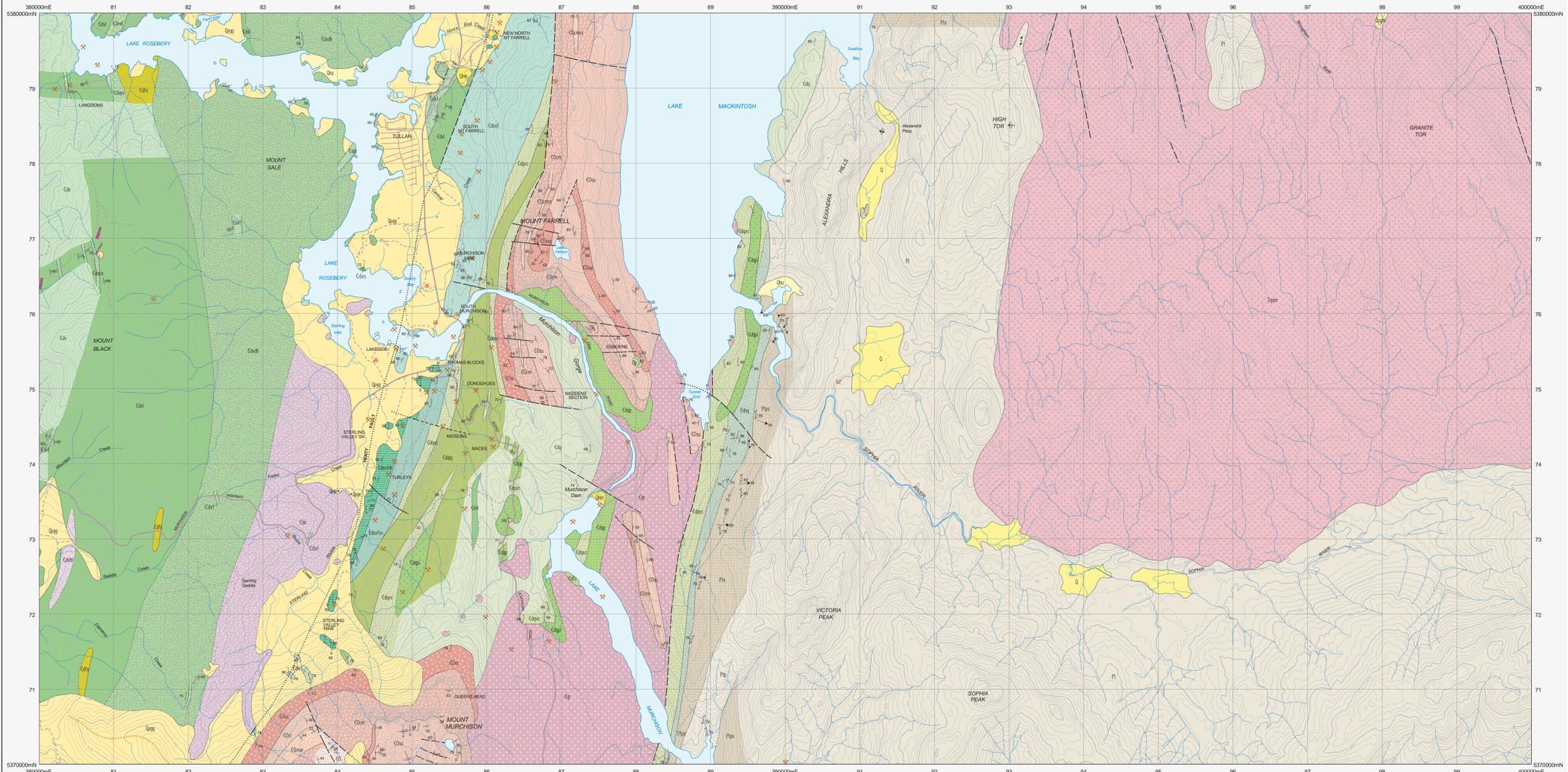
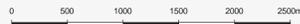


TULLAH

Scale: 1:25 000



GENEOZOIC	
QUATERNARY	
Qhm	Cultural features - mine tailings, dams, (Qhm).
Qha	Alluvium, swamp and marsh deposits (Qha).
Qagp	Glacial deposits, usually (Qagp), including local occurrences of Devonian granite erratics (Qagp).
Qagm	Mostly marine deposits (Qagm).
PALEOZOIC	
PERMOCARBONIFEROUS	
COu	Upper unit of mostly pink sandstone and granite-pebble conglomerate with subordinate siltstone. Cores of chert common (Upper Owen Sandstone and correlative) (COu).
COsc	Units of coarser pebble-cobble conglomerate (COsc).
COag	Units of grey sandstone, siltstone and conglomerate (COag).
CO	Pebble-cobble to cobble-boulder conglomerate, thick-bedded to massive, with minor siltstone lenses (Middle Owen Conglomerate and correlative) (CO).
COmsn	Units of predominantly sandstone (COmsn).
COmn	Interbedded micaceous sandstone-siltstone and silicified pebble conglomerate, mostly grey in colour. Marine fossils in places (Newman Creek Sandstone and correlative) (COmn).
COcl	Pebble-cobble to cobble-boulder conglomerate, thick-bedded to massive, with minor sandstone lenses. White to pink (Lower Owen Conglomerate and correlative) (COcl).
COvc	Volcanoclastic conglomerate, breccia and sandstone, usually at base of sequence. Includes correlative of Jules Conglomerate (COvc).
COic	Volcanoclastic conglomerate and sandstone - contains granitic clasts in places (COic).
COsl	Volcano-sedimentary sequence of shale, siltstone, sandstone, silicified sandstone and breccia. Silicified micaceous sandstone and minor felsic lava (COsl).
COsls	Dominantly grey-black shale and siltstone with some interbedded sandstone (COsls).
COslsv	Dominantly volcanoplastic sandstone, with interbedded mudstone and breccia (COslsv).

PALEOZOIC	
CAMBRIAN	
COvc	Interbedded volcanic and volcanoclastic rocks and intrusive porphyries, typically quartz-feldspar-phyrlic (COvc).
COvcg	Felsic porphyry, typically quartz-feldspar-phyrlic, includes extrusive and intrusive bodies (COvcg).
COvcg	Mainly intrusive quartz-feldspar porphyry (COvcg).
COvcg	Felsic lava, typically quartz-feldspar-phyrlic (COvcg).
COvcg	Mainly volcanoclastic conglomerate and sandstone (COvcg).
COvcg	Feldspar +/- quartz-phyrlic lava (COvcg).
COvcg	Silicified conglomerate and sandstone with interbedded micaceous siltstone and minor volcanoclastic rocks (Short Range Beds) (COvcg).
COvc	Dominantly felsic volcanic and volcanoclastic rocks (COvc).
COvcg	Feldspar-quartz porphyry, typically with spherulitic groundmass (COvcg).
COvc	Mainly felsic volcanoclastic and pyroclastic rocks, dominantly felsic-phyrlic, including pumice-bearing units (COvc).
COvcg	Pumice-bearing volcanoclastic rocks usually with eutaxitic texture (COvcg).
COvcg	Block and ash flow breccia with lithic clasts and pumice fragments (COvcg).
COvcg	Units of interbedded siltstone, sandstone, shale (COvcg).
COvc	Felsic lava, typically felsic +/- quartz-phyrlic, rhyolitic to dacitic (COvc).
COvcg	Dacitic lava and breccia, usually felsic-hornblende-phyrlic, epidote-altered (COvcg).
COvc	Basaltic lava and breccia (COvc).
COvc	Andesitic lava and breccia (COvc).

MESOPROTEROZOIC	
TENNANBERG METAMORPHISM	
PTa	Dominantly quartzite (PTa).
PTp	Dominantly phyllite (PTp).
PTps	Interlayered phyllite and quartzite (PTps).
INTRUSIVE ROCKS	
Dgpr	Medium- to coarse-grained, porphyritic (K-feldspar) to equigranular, biotite-muscovite-bearing alkali feldspar (Granite Tor Granite, S-type) (Dgpr).
Qp	Quartz porphyry intrusive within Owen Group (Qp).
COvcg	Feldspar-quartz porphyry, typically with spherulitic groundmass (COvcg).
COvc	Granite (Marchison Granite) (COvc).
COvc	Basaltic dykes, typically chlorite-altered (COvc).
COvcg	Felsic porphyry, typically quartz-feldspar-phyrlic, includes extrusive and intrusive bodies (COvcg).
COvcg	Mainly intrusive quartz-feldspar porphyry (COvcg).

PALEOZOIC	
CAMBRIAN	
COvc	Geological boundary - position approximate.
COvc	Geological boundary - inferred.
COvc	Fault - position approximate.
COvc	Fault - inferred.
COvc	Fault - concealed.
COvc	Moraine ridge crests.
COvc	Axial surface trace of major synform.

- Strike and dip of bedding - right way up; overturned; facing unknown.
- Strike of vertical bedding, facing unknown.
- Strike and dip of cleavage of unspecified type and relative age; vertical.
- Strike and dip of metamorphic foliation parallel to compositional layering; vertical; relative local age S1.
- Strike and dip of cleavage or foliation, relative local age S1.
- Strike and dip of cleavage or foliation, relative local age S1 S2.
- Trend and plunge of bedding/primary cleavage intersection lineation (L1).
- Trend and plunge of minor fold hinge line, sense of displacement unknown.
- Trend and plunge of minor fold hinge line, unspecified relative age.
- Trend and plunge of minor fold hinge line, relative local age F1.
- Trend and plunge of minor fold hinge line, relative local age F2.
- Trend and plunge of hinge line of unspecified relative age, minor antiform; minor synform.
- Strike and dip of igneous banding or platy alignment; vertical.
- Strike and dip of metamorphic foliation.
- Notable small outcrop or erratic boulder with rock unit indicated.
- Field station for adjacent readings on the map.
- Mineral deposit location - hardrock.
- Data derived from Mineral Resources Tasmania (MRT) GIS datasets. Data point position has not been verified in every case.
- Construction material/industrial mineral/gemstone location.

Compiled by D.B. Seymour, B.Sc. (Hons), Ph.D., A.W. McNeill, B.Sc. (Hons), and K.D. Corbett, B.Sc. (Hons), 1992 from the following sources (see responsibility diagram):

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

B McNEILL, A.W. 1987. Geology of the Mt Marchison area. Map 4. Mt Road Volcanics Project. Department of Mines, Tasmania.

C BARTON, C.M. et al. 1988. Mackintosh Geological area 1:63380 series sheet 448014N. Department of Mines, Tasmania.

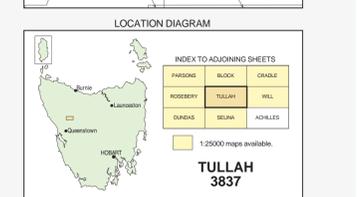
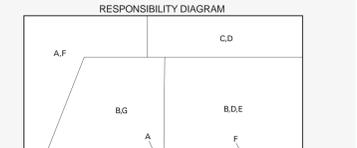
D McChungshan, M.P. 2003. Ground truthing of Western Tasmania Regional Mineral Program geophysical data in the Granite Tor area. Tasmania's Geological Survey Record 2003/10. Mineral Resources Tasmania.

E Seymour, D.B. Air photo interpretation.

F Corbett, K.D. Air photo interpretation.

Updated by:

G K.D. Corbett, 2003 as part of the Western Tasmania Regional Minerals Program.



REFERENCE THIS MAP AS:
SEYMOUR, D.B., McNEILL, A.W. and CORBETT, K.D. (compilers) 2003. Digital Geological Atlas 1:25 000 Scale Series. Sheet 3837 Tullah. Mineral Resources Tasmania.

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GDAS4 - MGA Zone 55. Contour Interval: 20 metres.

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In some areas lake fill is shown by water level line only, with previously mapped geology indicated. Some previously mapped structure and reproduction sites are shown on top of subsequent lake fill.