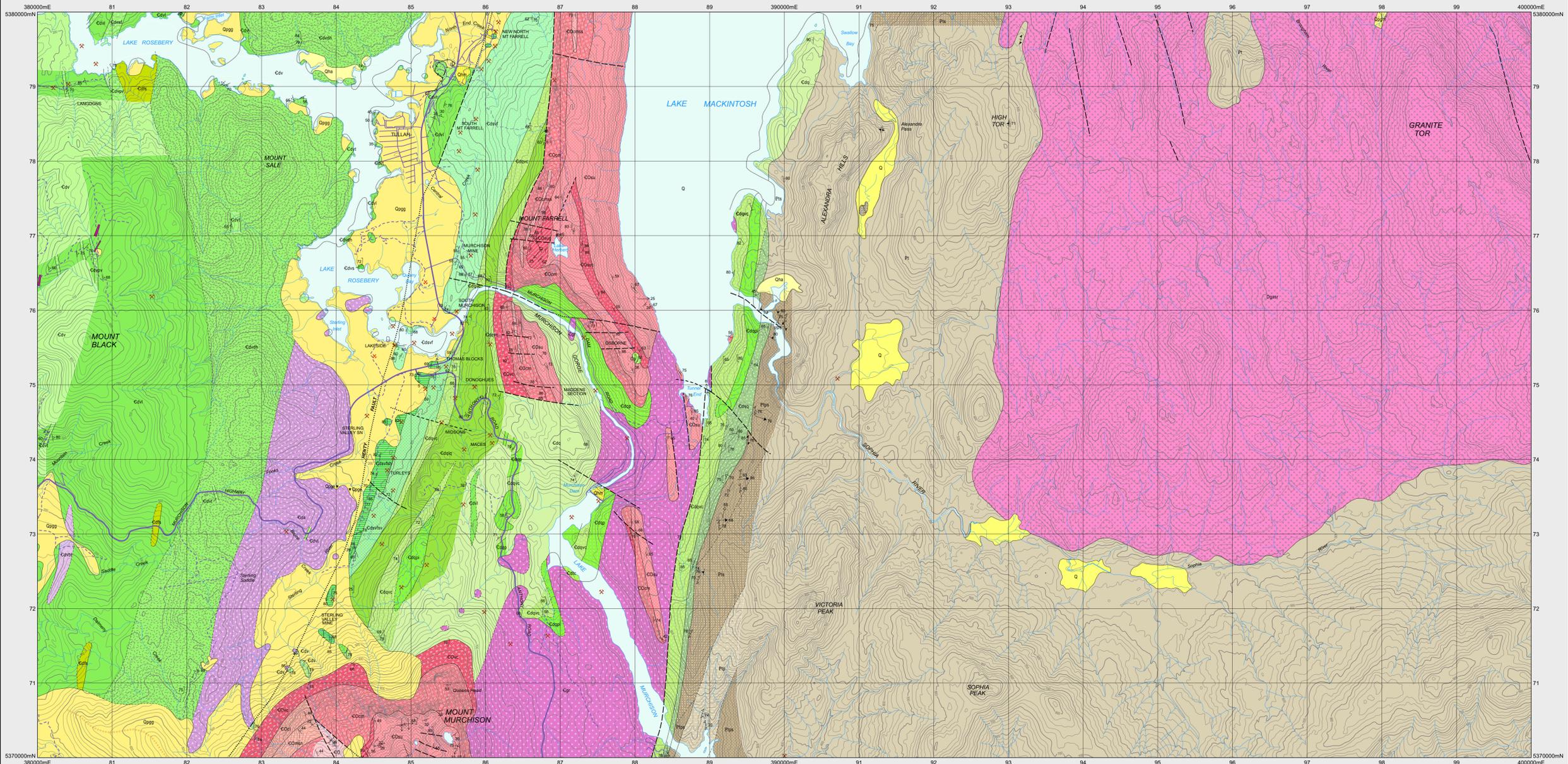


TULLAH

Scale 1:25 000



380000mE 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 400000mE
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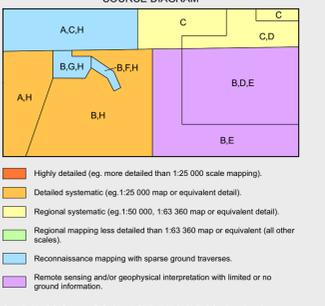
CENOZOIC	
QUATERNARY	<ul style="list-style-type: none"> Qhm Undifferentiated Quaternary sediments (Q). Qha Alluvium, swamp and marsh deposits (Qha). Qppg Glacial deposits, usually bouldery (Qppg), including local occurrences of Devonian granite erratics (Qppg). Qpgr Mostly moraine deposits (Qpgr).
PALEOZOIC	
FURCIOUSAN	<ul style="list-style-type: none"> COsu Upper unit of mostly pink sandstone and granite-pebble conglomerate with subordinate siltstone. Clasts of chert common (Upper Owen Sandstone and corallites) (COsu). COsm Units of coarser pebble-cobble conglomerate (COsm). COslg Units of grey sandstone, siltstone and conglomerate (COslg). COsmr Pebble-cobble to cobble-boulder conglomerate, thick-bedded to massive, with minor siltstone lenses (Middle Owen Conglomerate and corallites) (COsmr). COmsa Units of predominantly sandstone (COmsa). COms Interbedded micaceous sandstone-siltstone and siliclastic pebble conglomerate, mostly grey in colour. Marine fossils in places (Newton Creek Sandstone and corallites) (COms). COm Pebble-cobble to cobble-boulder conglomerate, thick-bedded to massive, with minor sandstone lenses. White to pink (Lower Owen Conglomerate and corallites) (COm). COvc Volcanic conglomerate, breccia and sandstone, usually at base of sequence. Includes corallites of Jukes Conglomerate (COvc).
CAMBRIAN	<ul style="list-style-type: none"> CDvc Volcanic conglomerate and sandstone - contains granite clasts in places (CDvc). CDsvf Volcano-sedimentary sequence of shale, siltstone, siliclastic sandstone and breccia, siliclastic micaceous sandstone and minor felsic lava (CDsvf). CDsvf Dominantly grey-black shale and slate with some interbedded sandstone (CDsvf). CDsvf Dominantly volcanoclastic sandstone, with interbedded mudstone and breccia (CDsvf).

PALEOZOIC	
CAMBRIAN	<ul style="list-style-type: none"> CDq Interbedded volcanic and volcanoclastic rocks and intrusive porphyries, typically quartz-feldspar-phryic (CDq). CDqp Felsic porphyry, typically quartz-feldspar-phryic, includes extrusive and intrusive bodies (CDqp). CDqpi Mainly intrusive quartz-feldspar porphyry (CDqpi). CDql Felsic lava, typically quartz-feldspar-phryic (CDql). CDqvc Mainly volcanoclastic conglomerate and sandstone (CDqvc). CDvl Feldspar + quartz-phryic lava (CDvl). CDvc Siliclastic conglomerate and sandstone with interbedded micaceous siltstone and minor volcanoclastic rocks (Slate Range Beds) (CDvc). CDv Dominantly felsic-phryic volcanic and volcanoclastic rocks (CDv). CDvf Feldspar-quartz porphyry, typically with spherulitic groundmass (CDvf). CDvt Mainly felsic volcanoclastic and pyroclastic rocks, dominantly felsic-phryic, including pumice-bearing units (CDvt). CDvpu Pumice-bearing volcanoclastic rocks usually with eutaxitic texture (CDvpu). CDvaf Block and ash flow breccia with lithic clasts and pumice fragments (CDvaf). CDvs Units of interbedded siltstone, sandstone, shale (CDvs). CDvlv Felsic lava, typically felsic-phryic, rhyolitic to dacitic (CDvlv). CDvdb Dacitic lava and breccia, usually felsic-phryic, epistote- altered (CDvdb). CDvbl Basaltic lava and breccia (CDvbl). CDa Andesitic lava and breccia (CDa).

MESOPROTEROZOIC	
ORDOVICIAN DEVONIAN	<ul style="list-style-type: none"> Pr Metamorphic rocks, dominantly metagranite and metapelite (Pr). Prp Dominantly phyllite (Prp). Prqs Interlayered phyllite and quartzite (Prqs).
INTRUSIVE ROCKS	
Dgr	Medium- to coarse-grained, porphyritic (K-feldspar) to equigranular, biotite-muscovite-bearing alkali feldspar (Granite Tor Granite, S-type) (Dgr).
Op	Quartz porphyry intrusive within Owen Group (Op).
Cdf	Feldspar-quartz porphyry, typically with spherulitic groundmass (Cdf).
Cgr	Granite (Murichison Granite) (Cgr).
Cdb	Basaltic dykes, typically chlorite-altered (Cdb).
CDqp	Felsic porphyry, typically quartz-feldspar-phryic, includes extrusive and intrusive bodies (CDqp).
CDqpi	Mainly intrusive quartz-feldspar porphyry (CDqpi).

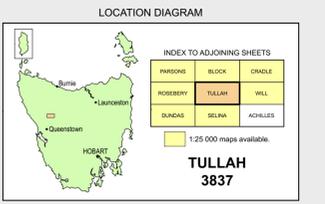
CONTACTS	
—	Geological contact.
- - - - -	Geological contact - inferred.
—	Limit of mapping of sub-unit within undifferentiated rock unit.
FAULTS	
—	Fault - inferred.
- - - - -	Fault - inferred.
—	Fault - concealed.
LINEARS	
—	Axial surface trace of major synform.
—	Moraine ridge crest.

TYNNAN REGION MEASUREMENTS	
↗	Strike and dip of bedding - right way up, overturned, facing unknown.
↘	Strike and dip of bedding, facing unknown.
↖	Strike and dip of cleavage of unspecified type and relative age, vertical.
↗	Strike and dip of metamorphic foliation other than cleavage, parallel to compositional layering, vertical.
↘	Strike and dip of cleavage or foliation, relative local age S ₁ .
↖	Strike and dip of cleavage or foliation, relative local age S ₂ .
↗	Trend and plunge of kink-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 F ₁ .
↗	Trend and plunge of minor fold hinge line, relative local age F ₂ .
↘	Trend and plunge of hinge line of unspecified relative age, minor antiform.
↖	Strike and dip of igneous banding or platy alignment, vertical.
↗	Strike and dip of metamorphic foliation.
↘	Notable erratic boulder with rock unit indicated.
✕	Mineral deposit location - hardrock.
✕	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), 1995 from the following sources (see source diagram):
A CORBETT, K.D. and McNEILL, A.W. 1986. Geology of the Rosebery - Mt Block area. Map 2. Mt Read Volcanics Project, Department of Mines, Tasmania.
B McNEILL, A.W. 1987. Geology of the Mt Murichison area. Map 4. Mt Read Volcanics Project, Department of Mines, Tasmania.
C BARTON, C.M. et al. 1966. Mackintosh Geological atlas 1:63 360 series sheet 44 (B14N). Department of Mines, Tasmania.
D MacLEAGHAN, M.P. 2003. Ground truthing of Western Tasmania Regional Minerals Program geophysical data in the Granite Tor area. Tasmania Geological Survey Record 2003/10. Mineral Resources Tasmania.
E Seymour, D.B. Air photo interpretation.
F RIVERS, W.D.M. 1975. The geology and geochemistry of the Tullah area. B.Sc. (Hons) thesis, University of Tasmania, Hobart.
G POLVA, D.A. 1981. The Geology of the Murichison George. B.Sc. (Hons) thesis, University of Tasmania, Hobart.
Updated by:
H CORBETT, K.D. 2004. Updating and revision of the 1:25 000 scale series geological maps covering the Mt Read Volcanics field in western and northwestern Tasmania. Tasmania Geological Survey Record 2004/03. Mineral Resources Tasmania.

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Map produced by Spatial Information Services, Mineral Resources Tasmania.
Website: www.mrt.tas.gov.au
GD494 - MGA Zone 55. Contour Interval: 20 metres.



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