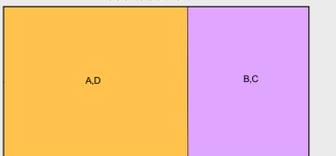


| CENOZOIC | | PLEISTOCENE - HOLOCENE | |
|----------------|---------|--|--|
| QUATERNARY | PREMIAN | | |
| Qha | Qha | Alluvium, swamp and marsh deposits (Qha). | |
| Opt | Opt | Talus and scree deposits (Opt). Talus derived from dolerite (Optd). | |
| Qoptg | Qoptg | Glacial deposits, usually bouldery (Qoptg), including local occurrence of dolerite derived erratics at 385 897mE, 5 359 714mN (Qoptg). Mainly till deposits - unweathered or slightly weathered (Qoptg). Deposits of Margaret Glaciation (13 000 - 100 000 yop). | |
| Pu | Pu | Undifferentiated sedimentary rocks (Pu). | |
| SDb | SDb | Mudstone, siltstone, minor fine-grained sandstone and rare limestone (correlates of Bell Formation) (SDb). | |
| SDf | SDf | Fine-grained quartz sandstone with minor siltstone and mudstone (correlates of Florence Formation) (SDf). | |
| SDa | SDa | Mainly mudstone and siltstone with minor sandstone and rare limestone (correlates of Amber Formation) (SDa). | |
| Oi | Oi | Limestone with minor siltstone and sandstone (Oi). | |
| PALEOZOIC | | ELDON GROUP | |
| ORDOVICIAN | | GORDON GROUP | |
| SILURIAN | | SILURIAN | |
| DEVONIAN | | DEVONIAN | |
| PERMIAN | | PERMIAN | |
| TRIASSIC | | TRIASSIC | |
| JURASSIC | | JURASSIC | |
| CRETACEOUS | | CRETACEOUS | |
| Cenozoic units | | Lower Permian to Devonian units | |

| PALEOZOIC | | MESOPROTEROZOIC | | PALEOZOIC | |
|-----------------|---------|--|--|----------------------|---------|
| CAMBRIAN | PREMIAN | | | CAMBRIAN | PREMIAN |
| Cdt | Cdt | Interbedded volcanoclastic and volcanic rocks, typically quartz-feldspar-phryic (Cdt). | | Cdt | Cdt |
| Cctc | Cctc | Dominantly volcanoclastic conglomerate and sandstone (Cctc). | | Cctc | Cctc |
| Cclh | Cclh | Felsic lava, usually quartz-feldspar-phryic (Cclh). | | Cclh | Cclh |
| Cclsh | Cclsh | Siltstone-shale units (Cclsh). | | Cclsh | Cclsh |
| Cclab | Cclab | Andesitic breccia and volcanoclastic sandstone (Cclab). | | Cclab | Cclab |
| Cda | Cda | Andesitic lava, breccia and related intrusive rocks (Cda). | | Cda | Cda |
| Cdva | Cdva | Crystalline (quartz-feldspar) tuffaceous sandstone (Yalende River Sequence) (Cdva). | | Cdva | Cdva |
| Cda | Cda | Interbedded volcanic and volcanoclastic rocks and intrusive porphyries, typically quartz-feldspar-phryic (Cda). | | Cda | Cda |
| Cdgp | Cdgp | Felsic porphyry typically quartz-feldspar-phryic, includes extrusive and intrusive bodies (Cdgp). | | Cdgp | Cdgp |
| Cdsg | Cdsg | Siliciclastic conglomerate and sandstone with interbedded micaceous siltstone and minor volcanoclastic rocks (Elton Range Beds) (Cdsg). | | Cdsg | Cdsg |
| Cdv | Cdv | Dominantly felsic-phryic volcanic and volcanoclastic rocks (Cdv). | | Cdv | Cdv |
| Cda | Cda | Andesitic lava, breccia and related intrusive rocks (Cda). | | Cda | Cda |
| Cda | Cda | Bedded siltstone-sandstone units (Cda). | | Cda | Cda |
| Pts | Pts | Metamorphic rocks, dominantly metaquartzite and metapelite (Pt). Dominantly quartzite (Pts). | | Pts | Pts |
| Ptp | Ptp | Interalyered phyllite and quartzite (Ptp). | | Ptp | Ptp |
| Ptsq | Ptsq | Fine-grained, thickly foliated, phlogitic quartzite and subordinate fine-grained massive quartzite. Non-gamellerous and relatively low metamorphic grade (Ptsq). | | Ptsq | Ptsq |
| INTRUSIVE ROCKS | | MOUNT REED VOLCANICS | | MOUNT REED VOLCANICS | |
| Jd | Jd | Dolerite (Jd). | | Jd | Jd |
| Dp | Dp | Quartz porphyry intrusive within Owen Group (Dp). | | Dp | Dp |
| Cdtp | Cdtp | Quartz-feldspar + biotite porphyry, mostly intrusive but may be partly extrusive (Cdtp). | | Cdtp | Cdtp |
| Cdgp | Cdgp | Felsic porphyry, typically quartz-feldspar-phryic, includes extrusive and intrusive bodies (Cdgp). | | Cdgp | Cdgp |
| Cdgp | Cdgp | Mainly intrusive quartz-feldspar porphyry (Cdgp). | | Cdgp | Cdgp |
| Cgr | Cgr | Granite (Cgr). | | Cgr | Cgr |

| CONTACTS | |
|-----------|---|
| — | Geological contact |
| - - - - - | Geological contact - inferred |
| | Limit of mapping of sub-unit within undifferentiated rock unit. |
| FAULTS | |
| --- | Fault |
| - - - - - | Fault - inferred |
| | Fault - concealed |
| — — | Normal fault (downthrown side indicated) |
| — — | Normal fault (downthrown side indicated) - concealed |
| — — | Thrust fault (teeth on upper plate) |
| — — | Thrust fault (teeth on upper plate) - concealed |
| LINEARS | |
| — | Axial surface trace of major antiform |
| — | Axial surface trace of major synform |
| — | Moraine ridge crest |

| | |
|-----|--|
| — | Dip of geological contact of unspecified type. |
| — — | Strike and dip of bedding - right way up; overturned; facing unknown. |
| — — | Strike of vertical bedding; facing unknown. |
| — — | Horizontal bedding. |
| — — | Strike and dip of compositional layering. |
| — — | Strike and dip of cleavage of unspecified type and relative age; 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 . |
| — — | Strike and dip of cleavage or foliation, relative local age S ₃ . |
| — — | Trend and plunge of minor fold hinge line, unspecified relative age. |
| — — | Trend and plunge of hinge line of unspecified relative age, minor antiform; minor synform. |
| — — | Trend of horizontal hinge line of minor antiform, unspecified relative age; synform. |
| — — | Strike and dip of dominant joint set; vertical. |
| — — | Strike and dip of igneous banding or platy alignment. |
| — — | Notable erratic boulder with rock unit indicated. |
| — — | Macrofossil location. |
| — — | Mineral deposit location - hardrock. |
| — — | Mineral deposit location - alluvial/alluvial. |



Compiled by K.D. Corbett, B.Sc (Hons) Ph.D. and D.B. Seymour, B.Sc (Hons) Ph.D. 1995 from the following sources (see source diagram):

- A CORBETT, K.D. and JACKSON, J.C. 1987. Geology of the Tyndall Range area. Map 5. Mt Read Volcanics Project. Department of Mines, Tasmania.
- B Air photo interpretation by D.B. Seymour with additional information from: Macrofossil location.
- C CORBETT, K.D. and MANELL, A.W. 1988. Geological Compilation Map of the Mt Read Volcanics, Hellyer to South Darwin Peak. Map 6. Mt Read Volcanics Project. Department of Mines, Tasmania.

Updated by:
D CORBETT, K.D. 2004. Updating and revision of the 1:25 000 scale series geological maps covering the Mt Read Volcanics belt in western and northwestern Tasmania. Tasmanian Geological Survey Record 2004/03. Mineral Resources Tasmania.

REFERENCE THIS MAP AS:
CORBETT, K.D. and SEYMOUR, D.B. (compilers) 2003. Digital Geological Atlas 1:25 000 Scale Series. Sheet 3835 Tyndall. 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
GDSM - MGA Zone 55. Contour Interval: 20 metres.

