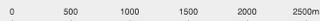
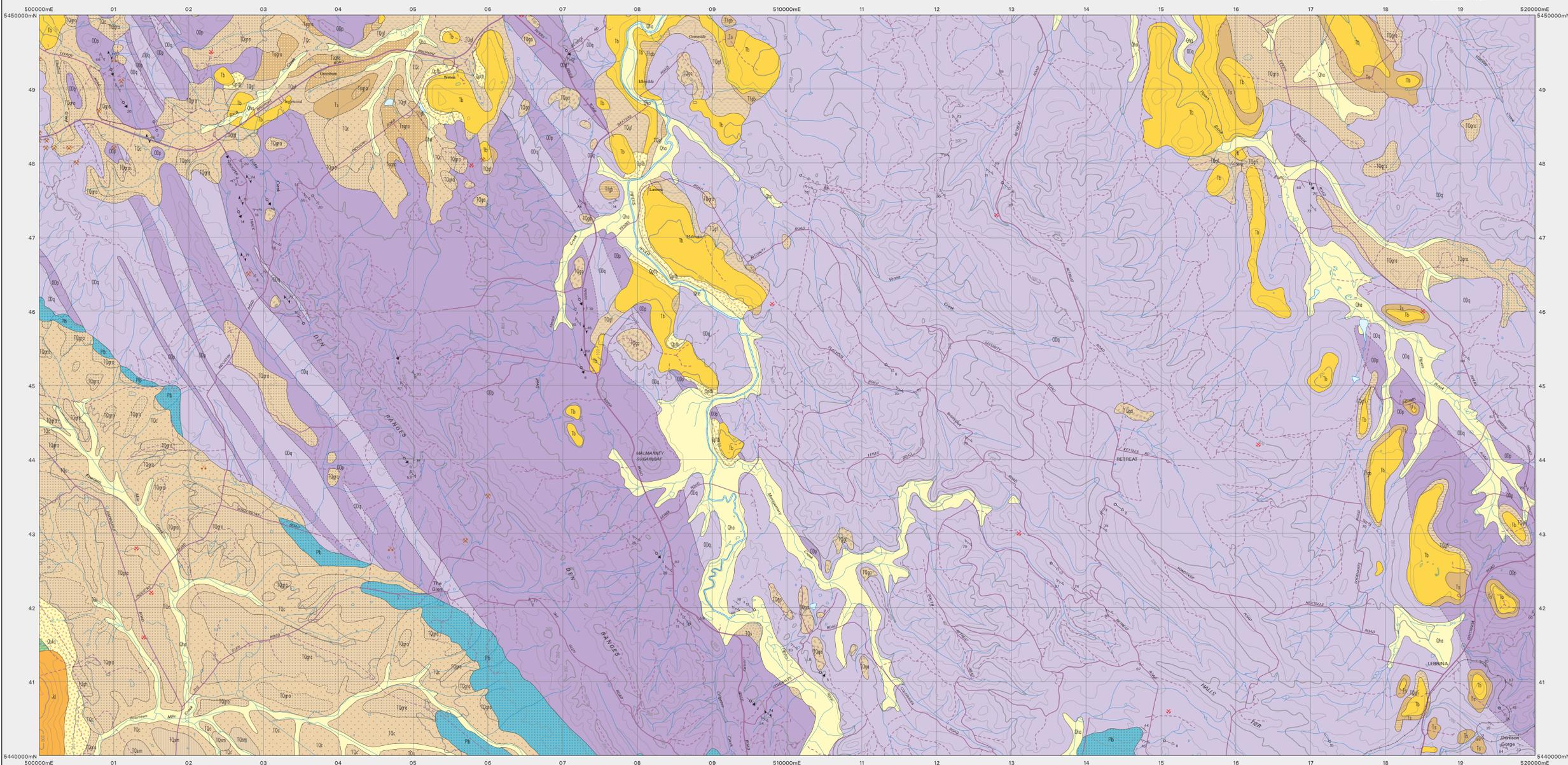


RETREAT

Scale: 1:25 000



TASMANIAN GEOLOGICAL SURVEY
DIGITAL GEOLOGICAL ATLAS 1:25 000 SERIES
RETREAT, SHEET 5044



MARSHALL, B.; BARTON, C.M.; JENNINGS, D.J.; NAQVI, I.H. 1985.
Geological atlas 1:25 000 series, sheet S1 18315N, Pieters River.
Department of Mines, Tasmania.
Compiled by M.P.McClanaghan

| QUATERNARY | HOLOCENE | DESCRIPTION |
|------------|----------|--|
| | O0a | Stream alluvium, swamp and marsh deposits (O0a). |
| | O0b | Basalt tuffs (O0b). |
| | O0c | Dolerite tuffs (O0c). |
| | T0c | Silt and clay with occasional pebbles (T0c). |
| | T0g1 | Ferruginous, pisolitic gravel with ironstone blocks (T0g1). |
| | T0g2 | Ironstone horizons (T0g2). |
| | T0g3 | Angular gravel, mainly vein quartz (T0g3). |
| | T0g4 | Rounded and angular gravel, mainly vein quartz (T0g4). |
| | T0m | Medium-grained sand (T0m). |
| | T0s | Sandstone and conglomerate (T0s). |
| TERTIARY | Ts | Conglomerate, gravel, sand, silt, mud and clay (Ts); rounded and angular gravel, mainly vein quartz (T0g3); grey-billy and siltstone (T0g4). Basaltic rock (Tb). |
| | | Unconformity |
| TRIASSIC | T0a | Coarse-bedded quartz sandstone, feldspathic sandstone and shale (T0a). |
| PERMIAN | P0a | Poorly sorted pebbly mudstone, sandstone and minor conglomerate, marine fossils present in places (P0a). |
| | | Unconformity |

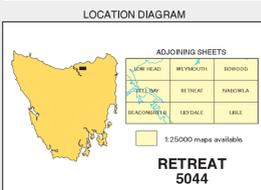
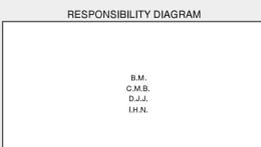
| ORDOVICIAN - SILURIAN(?) - EARLY DEVONIAN | DESCRIPTION |
|---|--|
| O0q | Quartzwacke turbidite sequence of interbedded sandstone siltstone and mudstone with sandstone dominant (O0q). |
| O0p | Quartzwacke turbidite sequence of interbedded sandstone, siltstone and mudstone with mudstone dominant (O0p). (O0q, O0p: Mothina Group). |

| IGNEOUS ROCKS | DESCRIPTION |
|---------------|----------------|
| Tb | Basalt (Tb). |
| Jd | Dolerite (Jd). |

| BOUNDARIES | DESCRIPTION |
|------------|---|
| — | Geological boundary - position approximate |
| - - - | Geological boundary - inferred |
| * | Notable small outcrop or float / log occurrence |

- ↖ ↗ Strike and dip of bedding - right way up; overturned; facing unknown.
- ↘ ↙ Strike and dip of cleavage or foliation, relative local age S1.
- ↖ ↗ Strike and dip of cleavage or foliation, relative local age S2.
- ↗ ↘ Trend and plunge of bedding/primary cleavage intersection lineation (L1).
- ↘ ↗ Trend and plunge of lineation (L2) formed by intersection of cleavages or foliations of relative local ages S1 and S2.
- ↖ ↗ Trend and plunge of minor fold hinge line, relative local age F1.
- ↘ ↙ Trend and plunge of minor fold hinge line, relative local age F2.
- Field station for adjacent readings on the map.
- ⊗ Mineral deposit location - hard-rock. Data derived from Mineral Resources Tasmania, MRS/CH data base. Dip/slope position has not been verified in every case.
- ⊙ Mineral deposit location - alluvial.
- ⊕ Construction materials location - Data derived from Mineral Resources Tasmania, CONMAT data base. Dip/slope position has not been verified in every case.

Digital base information from Information and Land Services Division, Department of Primary Industries, Water and Environment.
Map produced by the Data Management Branch of Mineral Resources Tasmania using G.I.S. software, ACT95 - AMG Zone 55. Contour interval: 20 metres.



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Date correct & plotfile generated: 16-APR-2003