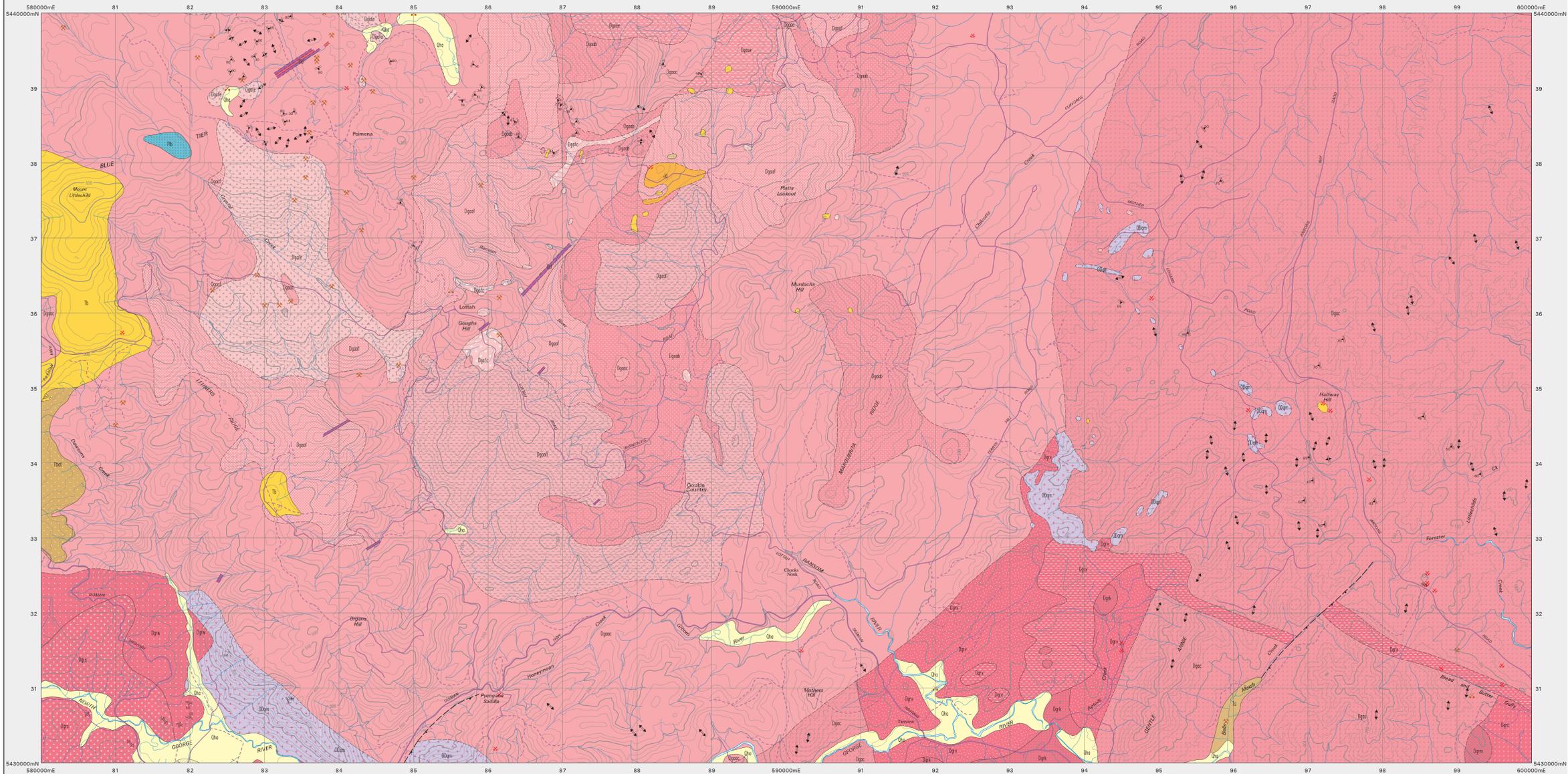


# BLUE TIER

Scale: 1:25 000



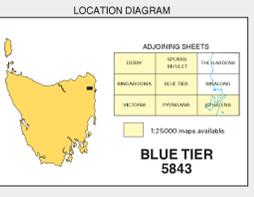
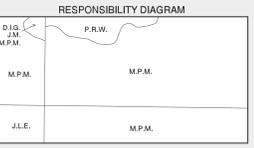
|  |      |   |
|--|------|---|
| <b>QUATERNARY</b>                                      | Qha  | Stream alluvium, swamp and marsh deposits (Qha).  |
|  | Qpaa | Older alluvium of river terraces (Qpaa).  |
| <b>TERTIARY</b>  | Ts   | Gravel, sand, silt, mud and clay (Ts), where disturbed by mining (Tm). Basalt (Tb). Grey-billy and boulder (Tgb). |
|  | Tb   |   |
|  | Tgb  |   |
|  | U    | Unconformity  |
| <b>PERMIAN</b>   | Pp   | Poorly sorted pebbly mudstone, sandstone and minor conglomerate, marine fossils present in places (Pp).           |
|  | U    | Unconformity  |
| <b>ORDOVICIAN- (7)<br/>SILURIAN-EARLY<br/>DEVONIAN</b> | ODgm | Quartzite, turbidite, sandstone dominant, contact metamorphosed by granitic intrusion (ODgm).                     |
|  | U    | Unconformity  |
| <b>IGNEOUS ROCKS</b>                                   |      |   |
| <b>TERTIARY</b>  | Tb   | Basalt (Tb); alkali basalt (Tba); basaltic (Tbb).   |
|  | Tat  | Agglomerate and tuff (Tat).   |
| <b>JURASSIC</b>  | Jd   | Dolerite (Jd).  |
| <b>DEVONIAN (7)</b>                                    | Dd   | Dolerite dykes (Dd).  |

|                                  |        |  |
|----------------------------------|--------|--|
| <b>MINOR GRANITIC INTRUSIONS</b> | Dgf    | Quartz-feldspar porphyry (Dgf).  |
| <b>MAJOR GRANITIC INTRUSIONS</b> | Dgafe  | Equigranular fine to coarse-grained biotite-muscovite alkali feldspar granite/adamellite (Dgafe).                                  |
|                                  | Dgafic | Equigranular fine to coarse-grained alkali-feldspar granite with large pale brown mica aggregates and pegmatitic patches (Dgafic). |
|                                  | Dgafea | Equigranular fine-grained biotite-muscovite granite/adamellite (Dgafea).   |
|                                  | Dgafm  | Variably porphyritic (feldspar) fine-grained, leucocratic muscovite rich granite/adamellite (Dgafm).                               |
|                                  | Dgafol | Porphyritic (feldspar) fine to medium-grained, biotite-muscovite granite/adamellite (Dgafol).                                      |
|                                  | Dgaae  | Equigranular coarse-grained biotite adamellite (Dgaae).  |
|                                  | Dgaab  | Porphyritic medium-grained biotite minor muscovite adamellite (Dgaab).   |
|                                  | Dgaac  | Coarse-grained porphyritic to equigranular biotite, minor muscovite granite/adamellite (K-feldspar) (Dgaac).                       |
|                                  | Dgav   | Variably porphyritic coarse to fine-grained hornblende granodiorite (Dgav).  |
|                                  | Dgr    | Variably porphyritic coarse to fine-grained hornblende granodiorite with very abundant Mathinna Group xenoliths (Dgr).             |
|                                  | Dgrt   | Coarse to fine-grained biotite granodiorite with very abundant large K-feldspar phenocrysts and minor or no hornblende (Dgrt).     |
|                                  | Dgac   | Porphyritic to variate to equigranular coarse-grained biotite-minor muscovite adamellite (Dgac).                                   |

|                 |      |   |
|-----------------|------|---|
| <b>DEVONIAN</b> | Dgrm | Coarse-grained monzonite to monzonite (Dgrm).   |
|                 | Dgrc | Sparsely porphyritic coarse-grained biotite hornblende granodiorite (Dgrc).   |
|                 | Dgrv | Medium-grained, equigranular to rarely porphyritic (K-feldspar) hornblende-biotite granodiorite. Locally with a strong grain foliation. Variable but usually strongly magnetic (susceptibility typically 002 to 008 SI) (Dgrv). |
|                 | Dgrw | Medium-grained, equigranular to rarely porphyritic (K-feldspar) hornblende-biotite granodiorite. Locally with a strong grain foliation. Weakly magnetic (susceptibility < 005 SI) (Dgrw).                                       |
|                 | Dgrx | Medium to coarse-grained equigranular to rarely porphyritic (K-feldspar) biotite granodiorite weakly magnetic (susceptibility < 005 SI) (Dgrx).   |
|                 | Dgrh | Medium to coarse-grained biotite hornblende granodiorite (Dgrh).  |

- Strike and dip of bedding - facing unknown.
- Strike and dip of foliation due to alignment of K-feldspar phenocrysts in granitic rock, vertical.
- Trend of preferred orientation of K-feldspar phenocrysts in granitic rock.
- Strike and dip of foliation due to alignment of hornblende and/or biotite in granitic rock, vertical.
- Trend of preferred orientation of hornblende and/or biotite in granitic rock.
- Mineral deposit location - hardrock
- Mineral deposit location - alluvial
- Construction materials location - Data derived from Mineral Resources Tasmania (DEPOSITS) data base. Data point position has not been verified in every case.
- Construction materials location - Data derived from Mineral Resources Tasmania (DEPOSITS) data base. Data point position has not been verified in every case.

Geology based on:  
MCCLENGHAN, M.P., EVERARD, J.L., GROVES, D.L.,  
MCCLENGHAN, G., WILLIAMS, P.R.  
Geological Atlas 1:50 000 series, sheet 40 (84153) Alberton  
1983, sheet 41 (84154) Hobart 1987, sheet 33 (85158)  
Blue Tier 1983, sheet 32 (84156) Hengemo 1977,  
Department of Mines, Tasmania.  
Compiled by M.P. McCleughan.



Base data from the LIST, Copyright State of Tasmania.  
Map produced by the Data Management Branch of Mineral Resources Tasmania using GIS software.  
A0064 - AMG Zone 55. Contour Interval: 20 metres.  
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