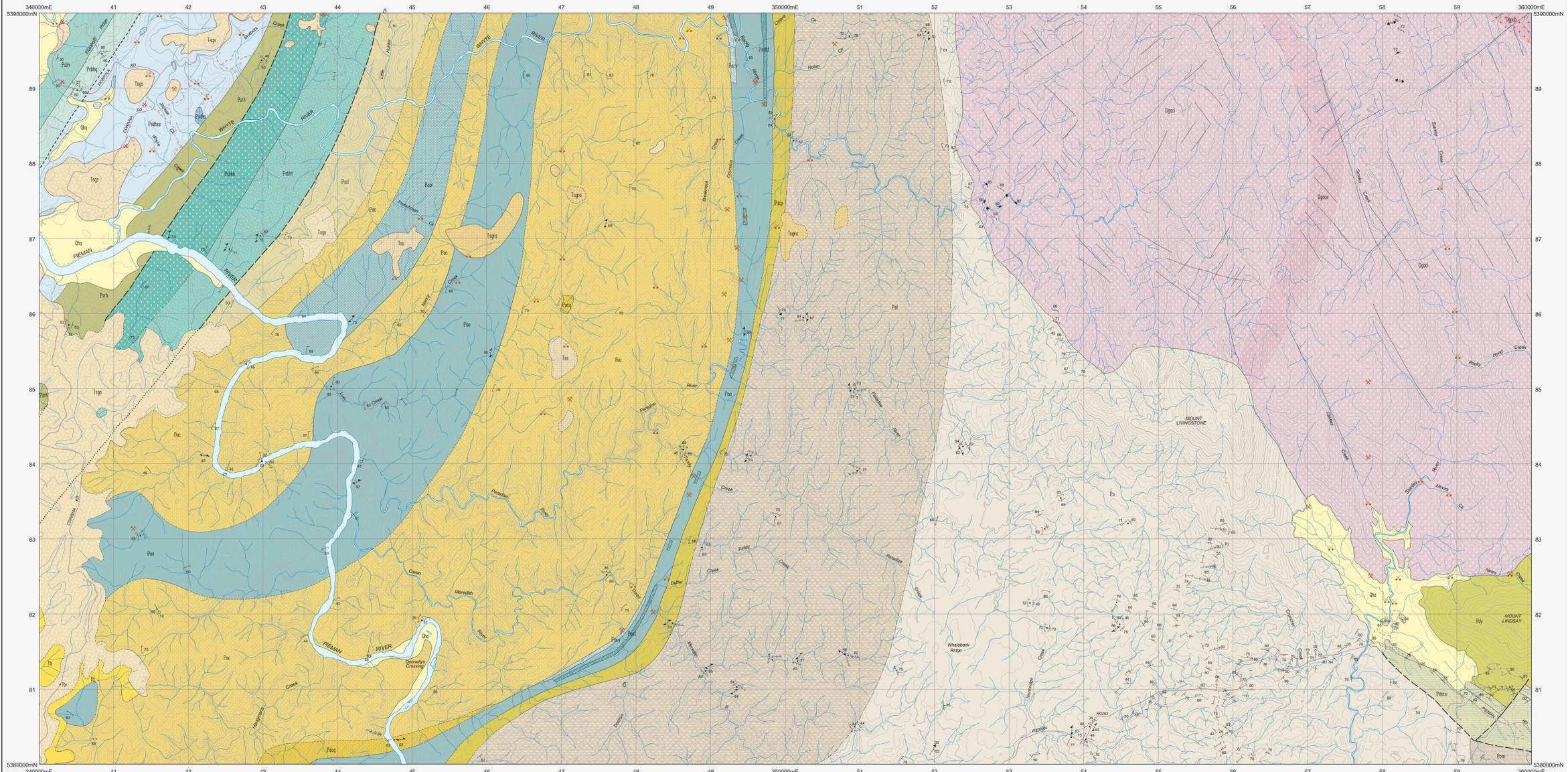


LIVINGSTONE

Scale: 1:25 000



CENOZOIC	
Quaternary	Qho Marsh and swamp deposits, alluvium, river gravels and slope wash deposits (Qho).
Quaternary	Qot Talus (Qot).
Tertiary	Tss Fossiliferous surface.
Tertiary	Tas Quartzite gravel and sand (Tas).
Tertiary	Tb Basalt (Tb), including local occurrence of transitional olivine basalt (Tbr) at 340750mE, 5380800mN.
Tertiary	Tggs, Tgqr Quartzite gravel and sand with lignite silty clay (Tggs), with upper (Tggs) and lower (Tgqr) micaceous silty clay, with lignite gravel and bedrock-derived vein quartz (Tgqr).
Proterozoic	Pdv Metalic volcanoclastic siliceous siltstone and mudstone, with minor carbonate and tholeiitic basalt (Ormonde Creek Formation) (Pdv).
Proterozoic	Pbrs Red chert mudstone with minor conglomerate layers (upper 'red rock' member of Pieman Belt Formation) (Pbrs).
Proterozoic	Pbsu Black mudstone, laminated siliceous to calcareous siltstone and minor sandstone with conglomerate horizons (Pbsu).
Proterozoic	Pum Thinly bedded, dark grey, stony to relatively massive pelitic siltstone and mudstone with minor chert (Pum).
Proterozoic	Po Crystalline beds of quartzite, interbedded with sparsely chloritic pelitic siltstone and mudstone with interbeds containing coarse detrital muscovite (Po).
Proterozoic	Pot Transitional metamorphic boundary.
Proterozoic	Pqt Micaceous quartz schist with locally preserved graded beds, interbedded with grey and green pelitic phyllite and minor fine-grained schist (correlate of Maitland Schist) (Pqt).
Proterozoic	Pqt Transitional to relatively sharp lithological boundary.
Proterozoic	Ppc Interbedded green to grey phyllite and fine-grained schist, usually comprising muscovite and quartz with trace to dominant chlorite, albite and dolomite, and containing scattered thin layers of actinolitic amphibole (Ppc).
Proterozoic	Ppac Interbedded phyllite, fine-grained schist and minor actinolitic amphibole, with micaceous quartz schist and relatively minor porphyroblastic schist (Ppac).
Proterozoic	Ppoc Grey phyllite common to dominant (Ppoc).
Proterozoic	Ppoc Interbedded phyllite, fine-grained schist and minor actinolitic amphibole, with intervals of banded thin beds and probable flattened clasts of greened meta-sapropelite (Ppoc).

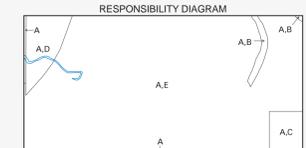
PROTEROZOIC	
Neoproterozoic	Ppa Dominant to common layers of foliated, fine-to rarely coarse-grained, occasionally chloritized, horstic subvolcanic amphibole with common magnetite, interbedded with usually chloritic phyllite and schist (Ppa).
Neoproterozoic	Ppab Dominantly amphibole with rare magnetite, interbedded with chloritic phyllite and schist (Ppab).
Neoproterozoic	Ppab Dominantly amphibole with lenses of richly disseminated magnetite (-subordinate pyrite), interbedded with chloritic phyllite and schist (Ppab).
Neoproterozoic	Ppab Dominantly amphibole with lenses of massive magnetite (-subordinate pyrite), interbedded with chloritic phyllite and schist (Ppab).
Neoproterozoic	Ppoc Dominantly felsic albite schist with relict medium-grained microcline-albite granitoid (Ppoc).
Neoproterozoic	Ppoc Faulted contacts with Pab etc.
Neoproterozoic	Ppu Grey silty pelitic siltstone with minor banded chert and thin layers of siliceous calcareous carbonate (Ppu).
Neoproterozoic	Ppu Conformable boundaries.
Neoproterozoic	Ppsa Pale grey and cream, massive, fine-grained dolomite (Ppsa).
Neoproterozoic	Ppsa Variably siliceous dolomite (Ppsa).
Neoproterozoic	Ppsb Mainly lag of silicification products of dolomite (Ppsb), including siliceous clay, commonly obscured by Tertiary derived slope wash deposits (Ppsb).
Neoproterozoic	Ppsb Faulted boundaries on this sheet, conformable elsewhere.
Neoproterozoic	Ppsb Abundant metabasalt, with grey tuffaceous and pelitic siltstone (Ppsb).
Neoproterozoic	Ppsb Interbedded stony or phyllitic to relatively massive, green to grey, tuffaceous and pelitic chloritic metasilstone with minor fine-grained foliated metamorphosed basalt and basaltic waste (Ppsb).
Neoproterozoic	Ppsb Dominantly grey tuffaceous and pelitic metasilstone (Ppsb).
Neoproterozoic	Ppsb Pale green and cream, fine-grained dolomite, locally oolitic, with stromatolites, or interbedded with rickety carbonaceous siltstone (Gagee Dolomite and correlative) (Ppsb).

INTRUSIVE ROCKS	
Dgpc	Very coarse-grained equigranular biotite granite, with very abundant inclusions of fine-to coarse-grained porphyritic quartz, K-feldspar, plagioclase biotite granite (Dgpc). Some areas of pink (Dgpc), and grey to white (Dgpc) medium-to coarse-grained equigranular granite shams. Quartz-tourmaline nodules locally abundant. (Dgpc, Dgpc, Dgpc: felsic phase of Merenda Granite).
Dgpc	Strike and dip of bedding, facing known - right way up, facing indicated by single tic overfanned.
Dgpc	Strike and dip of bedding, facing unknown - dipping vertical.
Dgpc	Strike and dip of cleavage - dipping vertical.
Dgpc	Strike and dip of cleavage, relative local age S1 - dipping vertical.
Dgpc	Strike and dip of cleavage, relative local age S2 - dipping vertical.
Dgpc	Strike and dip of crenulation cleavage - dipping vertical.
Dgpc	Strike and dip of cleavage, relative local age S3.
Dgpc	Trend and plunge of hinges of minor fold, with dip and dip direction of axial surface indicated; relative local age F1, F2, F3.
Dgpc	Trend of apparent lineation of K-feldspar phenocrysts on horizontal surface of granitic rock.
Dgpc	Strike and dip of dyke or vein, rock type or mineral specified by RCODE in Panel Abbreviate Table.
Dgpc	Strike and dip of dominant joint set - dipping vertical.
Dgpc	Strike and dip of sink band, movement sense unspecified - dipping vertical.
Dgpc	Field station for adjacent readings on the map.
Dgpc	Notable small outcrop with rock unit indicated.
Dgpc	Mineral deposit location - hardrock
Dgpc	Mineral deposit location - alluvial
Dgpc	Construction materials location -

—	Geological boundary - position approximate.
---	Geological boundary - position inferred.
- - - -	Transitional geological boundary - position approximate.
- - - - -	Fault - position approximate.
- - - - -	Fault - inferred.
.....	Fault - concealed.
.....	Photo treatment.
(white line)	Colour boundary.

✕ ✕ ✕	Strike and dip of bedding, facing known - right way up, facing indicated by single tic overfanned.
✕ ✕ ✕	Strike and dip of bedding, facing unknown - dipping vertical.
✕ ✕ ✕	Strike and dip of cleavage - dipping vertical.
✕ ✕ ✕	Strike and dip of cleavage, relative local age S1 - dipping vertical.
✕ ✕ ✕	Strike and dip of cleavage, relative local age S2 - dipping vertical.
✕ ✕ ✕	Strike and dip of crenulation cleavage - dipping vertical.
✕ ✕ ✕	Strike and dip of cleavage, relative local age S3.
✕ ✕ ✕	Trend and plunge of hinges of minor fold, with dip and dip direction of axial surface indicated; relative local age F1, F2, F3.
✕ ✕ ✕	Trend of apparent lineation of K-feldspar phenocrysts on horizontal surface of granitic rock.
✕ ✕ ✕	Strike and dip of dyke or vein, rock type or mineral specified by RCODE in Panel Abbreviate Table.
✕ ✕ ✕	Strike and dip of dominant joint set - dipping vertical.
✕ ✕ ✕	Strike and dip of sink band, movement sense unspecified - dipping vertical.
✕ ✕ ✕	Field station for adjacent readings on the map.
✕ ✕ ✕	Notable small outcrop with rock unit indicated.
✕ ✕ ✕	Mineral deposit location - hardrock
✕ ✕ ✕	Mineral deposit location - alluvial
✕ ✕ ✕	Construction materials location -

Compiled by J.L. Everard, 2001 from the following sources (see responsibility diagram):
A TURNER, N.J., BROWN, A.V., MCLENNAGHAN, M.P. & SPETRISNO, I. 1991. Geological Atlas 1:25 000 series sheet 43 (714N) Corinna. Tasmania Department of Mines.
B SHARPLES, C. 1992. Subdivisions in the southern part of the Merenda Granite. Appendix 4 in Tasmania Department of Mines Report 1992/06.
C BROWN, A.V. 1986. Geology of the Dundas-Mt Lindsay-Mt Youngbuck Region. Geological Survey Bulletin 82. Tasmania Department of Mines.
D Additional information from C.R. Coker 1996. Reconnaissance isotopic geochemistry of Neoproterozoic carbonate rocks in Western Tasmania. Tasmania Geological Survey Record 1996/01.
Updated by:
E M.J. Vozny, 2004 using air photograph and geophysical data interpretation as part of the Western Tasmania Regional Minerals Program.



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GDA84 - MGA Zone 55. Contour Interval: 20 metres.



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