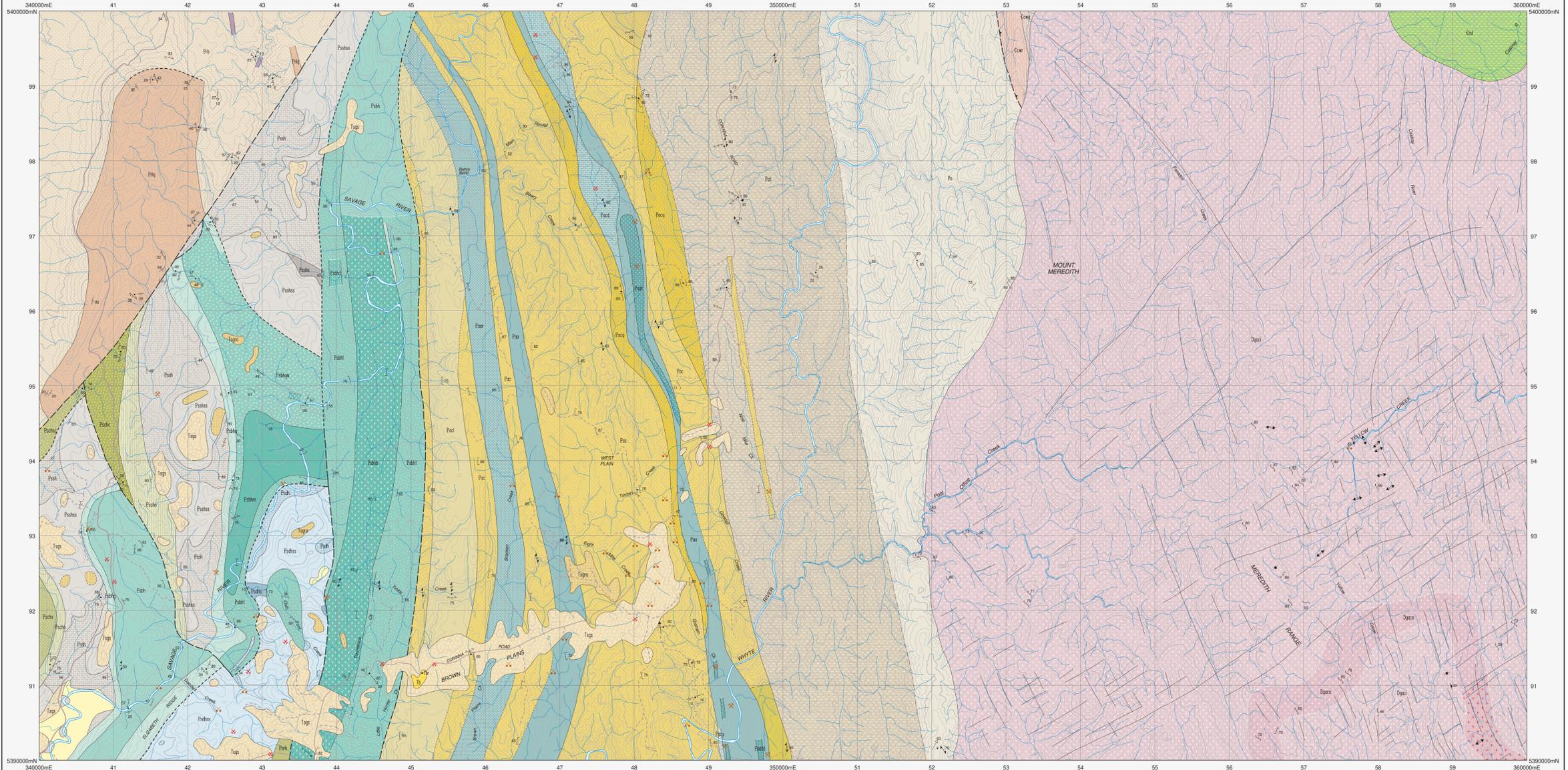


MEREDITH

Scale: 1:25 000



NEOPROTEROZOIC	PALEOZOIC - GALT-EMERY
Qha Marsh and swamp deposits, alluvium, river gravels and slope wash deposits (Qha). Erosional surface.	Ta Basalt (Ta), including local occurrence of transitional olivine basalt (Tbr) at 345946mE 5390980mN (Tbr). Quartzose gravel and sand with sparse silty clay (Tsg), with upper coarse-grained micaceous at 345950mE 5391000mN, minor gravel with log of gravel and bedrock-derived vein quartz (Tsgv).
Pqm Quartzite with coarse detrital muscovite, interbedded with siltstone, mudstone, dolomite and minor conglomerate (Pqm). Thinly bedded, dark grey, silty to relatively massive pelitic siltstone and mudstone with minor chert (Pqm).	Tsg Angular unconformity.
Po Graded beds of quartzite, interbedded with sparsely chloritic pelitic siltstone and mudstone with interbeds containing coarse detrital muscovite (Pq). Transitional metamorphic boundary.	
Pst Micaceous quartz schist with locally preserved graded beds, interlayered with grey and green, pelitic phyllite and minor fine-grained schist (correlate of Ash Schist) (Pst). Transitional to relatively sharp lithological boundary.	
Poc Interbedded green to grey phyllite and fine-grained schist, usually comprising muscovite and quartz with trace to abundant chlorite, albite and dolomite, and containing scattered thin layers of calcareous amphibole. Thin boudinaged quartz (Poc) (Poc).	
Pocq Interbedded phyllite, fine-grained schist and minor actinolitic amphibole, with micaceous quartz schist and relatively minor porphyroblastic schist (Pocq).	
Pocp Grey phyllite common to dominant (Pocp).	
Pocd Interbedded phyllite, fine-grained schist and minor actinolitic amphibole, with intervals of boudinaged thin beds and probable flattened clasts of crushed meta-quartzite (Pocd).	
Pocf Dominant to common layers of foliated, fine- to very coarse-grained, occasionally chloritised, hornblende, subarkose amphibole with common magnetite, interlayered with usually chloritic phyllite and schist (Pocf).	
Pocg Dominantly amphibole with rare magnetite, interlayered with chloritic phyllite and schist (Pocg).	
Pocd Dominantly amphibole with lenses of richly disseminated magnetite (-subarkate pyrite), interlayered with chloritic phyllite and schist (Pocd).	
Pocd Dominantly amphibole with lenses of massive magnetite (-subarkate pyrite), interlayered with chloritic phyllite and schist (Pocd).	
Pocd Dominant to common layers of magnetite and subarkate dolomite, interlayered with amphibole, chloritic phyllite and schist (Pocd).	
Pocy Dominantly felsic albite schist with relict medium-grained microcline-albite granitoid (Pocy). Faulted contacts with Pstn etc.	

NEOPROTEROZOIC	PALEOZOIC - GALT-EMERY
Pstn Grey silty pelitic siltstone with minor bedded chert and thin interlayers of silicified calcic carbonate (Pstn). Conformable boundaries.	Pstn Pale grey and cream, massive, fine-grained dolomite (Pstn). Variably silicified dolomite (Pstn).
Pstns Mainly log of silicification products of dolomite (Pstns), including silica flour, commonly obscured by tertiary derived slope wash deposits (Pstns).	Pstns Mainly log of silicification products of dolomite (Pstns), including silica flour, commonly obscured by tertiary derived slope wash deposits (Pstns).
Pstns Relatively massive metabasalt and fine-grained metabasite (Pstns).	Pstns Mainly log of silicification products of dolomite (Pstns), including silica flour, commonly obscured by tertiary derived slope wash deposits (Pstns).
Pstns Abundant metabasalt, with grey tuffaceous and pelitic siltstone (Pstns).	Pstns Mainly log of silicification products of dolomite (Pstns), including silica flour, commonly obscured by tertiary derived slope wash deposits (Pstns).
Pstns Interbedded slaty or phyllitic to relatively massive, green to grey, tuffaceous and pelitic, chloritic metasilstone with minor fine-grained foliated metamorphosed basalt and basaltic wacke (Pstns).	Pstns Mainly log of silicification products of dolomite (Pstns), including silica flour, commonly obscured by tertiary derived slope wash deposits (Pstns).
Pstns Dominantly grey tuffaceous and pelitic metasilstone with scattered layers of pelitic basaltic wacke (Pstns).	Pstns Mainly log of silicification products of dolomite (Pstns), including silica flour, commonly obscured by tertiary derived slope wash deposits (Pstns).
Pstns Dominantly grey tuffaceous and pelitic metasilstone (Pstns).	Pstns Mainly log of silicification products of dolomite (Pstns), including silica flour, commonly obscured by tertiary derived slope wash deposits (Pstns).
Pstns Micaceous quartzite and pelitic siltstone (Pstns).	Pstns Mainly log of silicification products of dolomite (Pstns), including silica flour, commonly obscured by tertiary derived slope wash deposits (Pstns).
Pstns Dolomite (Pstns). Conformable boundaries.	Pstns Mainly log of silicification products of dolomite (Pstns), including silica flour, commonly obscured by tertiary derived slope wash deposits (Pstns).
Pstns Pale grey and cream, fine-grained dolomite, locally calcitic, with stromatolites (e.g. 342,700mE 5397,300mN) or interbedded with richly carbonaceous siltstone (342,990mE 5397,300mN) (Pstns).	Pstns Mainly log of silicification products of dolomite (Pstns), including silica flour, commonly obscured by tertiary derived slope wash deposits (Pstns).
Pstns Variably silicified dolomite (Pstns).	Pstns Mainly log of silicification products of dolomite (Pstns), including silica flour, commonly obscured by tertiary derived slope wash deposits (Pstns).
Pstns Mainly log of silicification products of dolomite (Pstns), including silica flour, commonly obscured by tertiary derived slope wash deposits (Pstns). Conformable boundaries.	Pstns Mainly log of silicification products of dolomite (Pstns), including silica flour, commonly obscured by tertiary derived slope wash deposits (Pstns).
Pstns Grey silty pelitic siltstone with minor bedded chert and thin interlayers of silicified calcic carbonate (Pstns).	Pstns Mainly log of silicification products of dolomite (Pstns), including silica flour, commonly obscured by tertiary derived slope wash deposits (Pstns).
Pstns Micaceous quartzite in graded beds with interlayered slaty, locally pelitic siltstone and mudstone (Pstns). Poorly sorted conglomerate, with well sorted conglomerate and sandstone near base (Pstns). (Pstns - undifferentiated Lstns, Lstns). Inferred angular unconformity.	Pstns Mainly log of silicification products of dolomite (Pstns), including silica flour, commonly obscured by tertiary derived slope wash deposits (Pstns).
Pstns Undifferentiated cross-bedded quartzite, micaceous quartz sandstone, zone-bedded slaty to relatively massive chloritic siltstone and minor mudstone (undifferentiated Lstns) (Pstns). Common to dominant micaceous quartz sandstone and cross-bedded orthoquartzite with siltstone (Pstns).	Pstns Mainly log of silicification products of dolomite (Pstns), including silica flour, commonly obscured by tertiary derived slope wash deposits (Pstns).

PALEOZOIC - GALT-EMERY	INTRUSIVE ROCKS
Dgpc Very coarse-grained equigranular biotite-bearing syenogranite/alkali feldspar granite, with very abundant intrusions of fine- to coarse-grained perthitic quartz, K-feldspar and plagioclase biotite granite, and abundant quartz-tourmaline nodules (Dgpc). Some areas of medium- to coarse-grained equigranular pink granite (Dgpc).	Dgpc Very coarse-grained equigranular biotite-bearing syenogranite/alkali feldspar granite, with very abundant intrusions of fine- to coarse-grained perthitic quartz, K-feldspar and plagioclase biotite granite, and abundant quartz-tourmaline nodules (Dgpc). Some areas of medium- to coarse-grained equigranular pink granite (Dgpc).
Dgpc Serpentinised interlayered dunite, harzburgite and minor orthopyroxene (Layered Dunite - Harzburgite succession, LDH) (Dgpc).	Dgpc Serpentinised interlayered dunite, harzburgite and minor orthopyroxene (Layered Dunite - Harzburgite succession, LDH) (Dgpc).
Dm Fine- to medium-grained, foliated amphibolite metadolerite (Dm).	Dm Fine- to medium-grained, foliated amphibolite metadolerite (Dm).

SYMBOLS	DESCRIPTION
—	Geological boundary - position approximate.
- - - - -	Geological boundary - position inferred.
- . - . - .	Transitional geological boundary - position approximate.
- - - - -	Fault - position approximate.
- - - - -	Fault - inferred.
—	Photo lineament.
(white line)	Colour boundary.
↗	Strike and dip of bedding, facing known - right way up.
↘	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.
↘	Strike and dip of cleavage, relative local age S2 - dipping vertical.
↖	Strike and dip of crenulation cleavage - dipping vertical.
↗	Trend and plunge of hinge line of minor fold, with dip and dip direction of axial surface indicated.
↘	Trend and plunge of hinge line of minor fold, with dip and dip direction of axial surface indicated.
↖	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 Dgpc or Pstn Abbreviation Table.
↘	Strike and dip of dominant joint set - dipping vertical.
•	Notable small outcrop with rock unit indicated.
•	Field Station for adjacent readings on the map.
✂	Mineral deposit location - hardrock.
✂	Mineral deposit location - alluvial/tailings.
✂	Construction material/industrial mineral/gemstone location.

Compiled by J.L. Everard, 2001 from the following sources (see responsibility diagram):

A TURNER, N.J., BROWN, A.V., MCLELLAN, M.P. & SOTERISNO, I. 1991. Geological Atlas 1:50,000 series, Sheet 41-719-AN Curlew, Tasmania Department of Mines.

B Additional information from Shephard, C. Subdivisions in the Southern part of the Meredith Granite, in Turner, N.J. 1992. Corinna 1:50,000 geological Map Field Guide to selected exposures Tasmania Department of Mines Report 1992/06.

C Additional information from Calver, C.R. 1966. Reconnaissance isotope geochemistry of Neoproterozoic carbonate rocks in Western Tasmania. Tasmanian Geological Survey Record 1996/10.

D Updated by M.A. Veary, 2004 as part of the Western Tasmanian Regional Minerals Program.

RESPONSIBILITY DIAGRAM

LOCATION DIAGRAM

INDEX TO ADJOINING SHEETS

LADON	SAVAGE RIVER	LUNA
WATERLOO	MEREDITH	HAMRAY
WINDYBUSH	THURGOOD	PASSING

1:25000 maps available.

MEREDITH 3439

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