



ERA	UNIT	DESCRIPTION
CENOZOIC	Quaternary	Qha Marsh and swamp deposits, alluvium, river gravels and slope wash deposits (Qha). Erosional surface.
	Tertiary	Th Basalt (Th), including local occurrence of transitional olivine basalt (Tbt) at 345000mE, 5300000mN. Tgsa Quartzose gravel and sand with lignitic silty clay (Tgsa), with upper Eocene-Oligocene microfossils at 347000mE, 5391700mN, minor gravel with lag of gravel and bedrock-derived vein quartz (Tgsa). Angular unconformity.
		Palaeogene
PALEOZOIC	Early Cambrian	Pwh Grey slaty pelitic siltstone with minor banded chert and thin interlayers of silicified oolitic carbonate (Pwh). Conformable boundaries.
		Pshd Pale grey and cream, massive, fine-grained dolomite (Pshd). Pshs Variably silicified dolomite (Pshs). Pshsa Mainly lag of silicification products of dolomite (Pshd), including siliceous floor, commonly obscured by Tertiary derived slope wash deposits (Pshsa). Conformable and faulted boundaries.
	Ediacaran	Pshb Interbedded metamorphosed basalt, basaltic wacke, slaty to phyllitic siltstone, quartzite and minor dolomite (Pshb). Relatively massive metabasalt and fine-grained metadolomite (Pshb). Pshbb Abundant metabasalt, with grey tuffaceous and pelitic siltstone (Pshbb). Pshbi 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 (Pshbi). Pshbg Dominantly grey tuffaceous and pelitic metasilstone with scattered layers of pebbly basaltic wacke (Pshbg). Pshg Dominantly grey tuffaceous and pelitic metasilstone (Pshg). Pshhu Micaceous quartzite and pelitic siltstone (Pshhu). Pshhd Dolomite (Pshhd).
		Cryogenian
Tonian	Pshch Dominantly conglomerate, micaceous quartzite and slaty pelitic siltstone (undifferentiated Pshch, Pshci, Pshcj) (Pshch). Grey slaty pelitic siltstone with minor banded chert and thin interlayers of silicified oolitic carbonate (Pshci). Pshcj Micaceous quartzite, pelitic siltstone, mudstone and conglomerate (undifferentiated Pshcj and Pshck) (Pshcj). Micaceous quartzite in graded beds with interlayered slaty, locally pelitic siltstone and mudstone (Pshck). Pshci Poorly sorted conglomerate with well sorted conglomerate and sandstone near base (Pshci). Inferred angular unconformity of Pshc, etc. with Pwh, Pshg; faulted contact on this sheet.	
Mesozoic	Ectasian	Pshd Common to dominant micaceous quartz sandstone and cross-bedded orthoquartzite with siltstone (Pshd). Undifferentiated cross-bedded quartzarenite, micaceous quartz sandstone, plane-bedded slaty to relatively massive chloritic siltstone and minor mudstone (undifferentiated Intervale Siltstone) (Pshd).
		Pshg Common to dominant micaceous quartz sandstone and cross-bedded orthoquartzite with siltstone (Pshg). Undifferentiated cross-bedded quartzarenite, micaceous quartz sandstone, plane-bedded slaty to relatively massive chloritic siltstone and minor mudstone (undifferentiated Intervale Siltstone) (Pshg).

ERA	UNIT	DESCRIPTION
NEO-PROTEROZOIC	Tasmanian Upper Proterozoic (Cambrian to Mississippian)	Pac Dominant to common layers of foliated, fine to rarely coarse-grained, occasionally chloritized, fibrous to subalkaline amphibolite with common magnetite, interlayered with usually chloritic phyllite and schist (Pac). Pacw Dominantly amphibolite with rare magnetite, interlayered with chloritic phyllite and schist (Pacw). Pacp Dominantly amphibolite with lenses of richly disseminated magnetite (-subordinate pyrite), interlayered with chloritic phyllite and schist (Pacp). Pacq Dominantly amphibolite with lenses of massive magnetite (-subordinate pyrite), interlayered with chloritic phyllite and schist (Pacq). Pacd Dominant to common layers of magnetite and subordinate dolomite, interlayered with amphibolite, chloritic phyllite and schist (Pacd). Pacy Dominantly felsic albite schist with relict medium-grained microcline-albite granitoid (Pacy).
		Arthuret Metamorphic Complex (White Schist)

ERA	UNIT	DESCRIPTION
NEO-PROTEROZOIC	Tasmanian Upper Proterozoic (Cambrian to Mississippian)	Dpac Very coarse-grained equigranular biotite-bearing syenogranite/alkali feldspar granite, with very abundant intrusions of fine- to coarse-grained porphyritic (quartz, K-feldspar and plagioclase) biotite granite and abundant quartz-tourmaline nodules (Dpac). Some areas of medium- to coarse-grained equigranular pink granite (Dpacg). Grey to white, medium-course grained equigranular variety (Dpacw). (Dpac, Dpacg, Dpacw: Meredith Granite; f-type).
		Dpds Serpentinised interlayered dunite, harzburgite and minor orthopyroxenite (Layered Dunite - Harzburgite succession, LDH) (Dds).
NEO-PROTEROZOIC	Tasmanian Upper Proterozoic (Cambrian to Mississippian)	Dpaf Fine- to medium-grained, foliated amphibolitic metadolomite (Tayates Dyke Swarm) (Dpaf).

SYMBOL	DESCRIPTION
↘ ↙	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 S <sub>1</sub> - dipping; vertical.
↘ ↙	Strike and dip of cleavage, relative local age S <sub>2</sub> - dipping; vertical.
↘ ↙	Strike and dip of crenulation cleavage - dipping; vertical.
↘ ↙	Trend and plunge of hingeline of minor fold; with dip and dip direction of axial surface indicated.
↘ ↙	Trend and plunge of hingeline of minor fold, relative local age F <sub>1</sub> with dip and dip direction of axial surface.
↘ ↙	Trend and plunge of hingeline of minor fold, relative local age F <sub>2</sub> with dip and dip direction of axial surface; with vertical axial surface.
↘ ↙	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 unspecified.
↘ ↙	Strike and dip of dyke or vein, with rock unit indicated.
↘ ↙	Apilite (Dgh) Quartz-tourmaline rock (Dgqt).
↘ ↙	Strike and dip of dominant joint set - dipping; vertical.
↘ ↙	Strike and dip of kink band, movement sense unspecified - dipping; vertical.
•	Field station for adjacent readings on the map.
•	Notable small outcrop with rock unit indicated.
•	Mineral deposit location - handrock.
•	Mineral deposit location - alluvial/tailings.
•	Construction material/industrial mineral/gerstone location.

**SOURCE DIAGRAM**

**REFERENCE THIS MAP AS:**  
EVERARD, J.L. (compiler) 2001. Digital Geological Atlas 1:25 000 Scale Series. Sheet 3439 Meredith. Mineral Resources Tasmania.

**LOCATION DIAGRAM**

**INDEX TO ADJOINING SHEETS**

LADSON	SAVAGE RIVER	LUNKA
INTERVIEW	MEREDITH	RANANG
INTERVIEW	LIVINGSTONE	PARSONS

1:25 000 maps available.

**MEREDITH 3439**

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