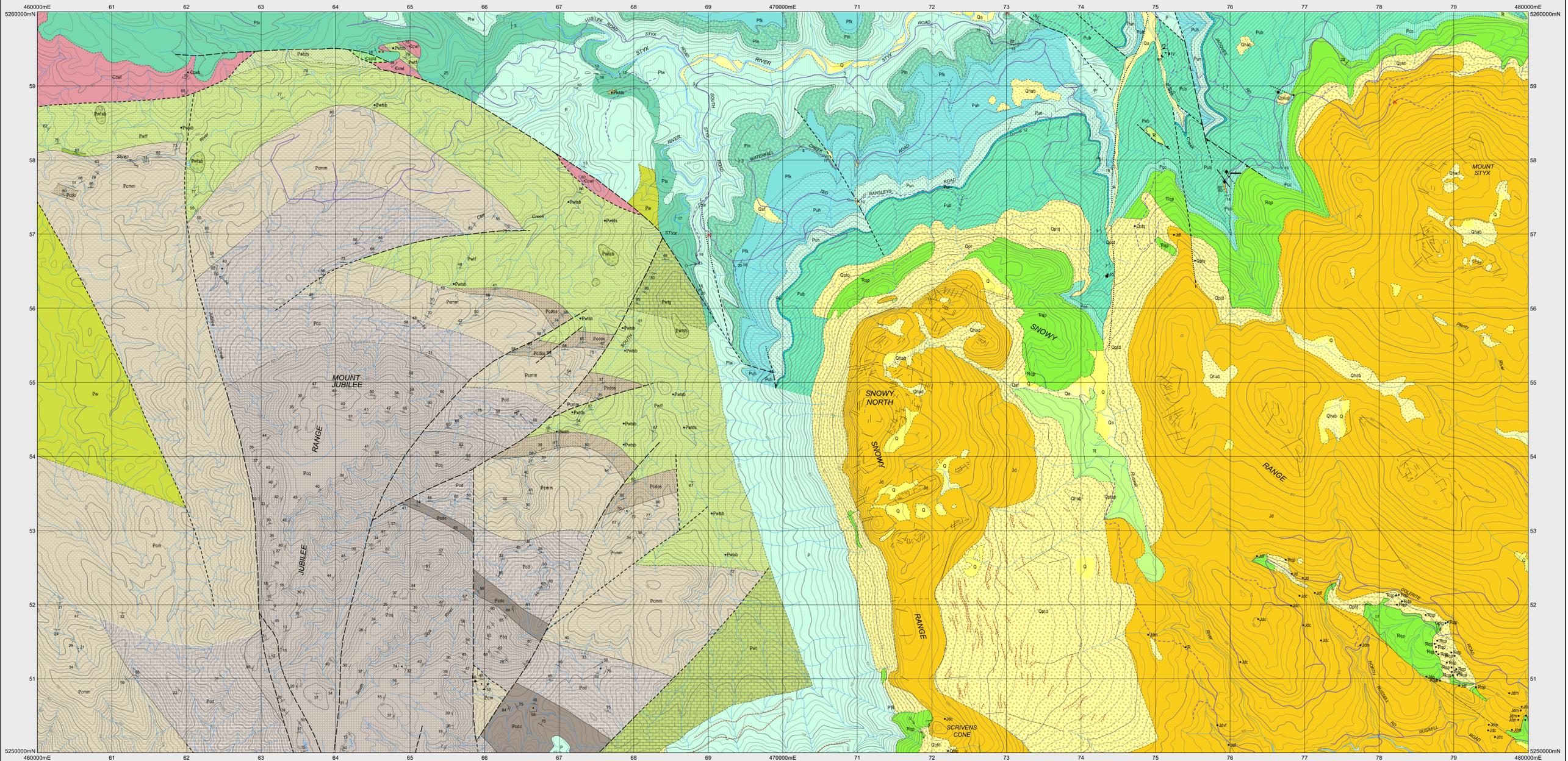


# SKELETON

Scale 1:25 000

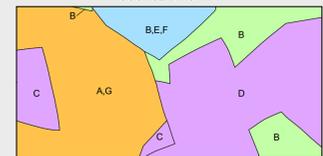


PERIOD	UNIT	DESCRIPTION
CENOZOIC	QUATERNARY	Qhab: Undifferentiated Quaternary sediments (Q).
		Qa: Alluvial sand, gravel and clay (Qa). Some alluvial fans indicated (Qaf).
		Qpt: Talus (Qpt); talus composed dominantly of Jurassic dolomite boulders (Qptd); dominantly of Upper Permian Supergroup quartz sandstone (Qptq); dominantly of Jurassic dolomite with subordinate Upper Permian Supergroup sandstone (Qptp).
		Qpgr: Mostly moraine deposits (Qpgr).
MESOZOIC	TRIASIC	R: Undifferentiated Permian Supergroup rocks (PR); undifferentiated Upper Permian Supergroup rocks (PU). Dominantly freshwater, cross-bedded quartzite sandstone and subordinate micaceous siltstone and mudstone (correlate in part of Ross Formation) (Rq). Locally thermal metamorphosed by Jurassic dolomite (Rpm). Freshwater cross-bedded felspathic sandstone, micaceous siltstone, carbonaceous beds and coal lenses at places (correlate of Cygnet Coal Measures) (Rc).
		Ptc: Undifferentiated Permian Supergroup rocks (PR); generally unfossiliferous medium to thick-bedded marine siltstone and sandstone with limestone; some intensely litorinated beds and rare conglomeratic siltstone layers, laminated dark grey micaceous siltstone with fossiliferous at top (correlate of Abbot Bay Formation) (Ptb).
		Pai: Well-sorted, fine to coarse-grained marine felspathic sandstone with quartz granules and pebbles (correlate of Risdon Sandstone) (Pai).
		Pun: Medium to thick-bedded, generally poorly fossiliferous pebbly marine siltstone and sandstone sequence, with cliff-forming olive-brown weathered coarse-grained sandstone with cobble horizons at the base, and fossiliferous sandstone at the top (correlate of Maria Point Formation) (Pun).
		Ppr: Thin to thick-bedded, generally richly fossiliferous marine siltstone and sandstone with limestone, basal beds include dark grey calcareous siltstone; upper beds of very sparsely fossiliferous white mudstone with red stains (correlate in part of Deep Bay Formation; basal beds correlate in part of Nassau Formation) (Ppr).
		Puh: Freshwater or paralic, cross-bedded to laminated felspathic sandstone and micaceous carbonaceous siltstone with fossil plant pieces (correlate in part of Faulner Group) (Puh).
		Pik: Sparingly to richly fossiliferous marine siltstone, mudstone, sandstone and impure limestone with limestones (correlate of Bundala Formation) (Pik).
		Pir: Uniform, poorly bedded dark grey marine mudstone and siltstone with sparse glauconitic fossils, limestones and pyrite nodules (correlate of Woody Island Siltstone) (Pir).
		Piw: Dark grey dominantly pebbly diamicrite with sparse fragmentary marine fossils, mudstone and laminae; upper unit at Maydena Range of inter-bedded, pebble to boulder grade conglomerate, diamicrite and sandstone with some shell fossils (correlate of Truro Tillite) (Piw).
		Pix: Angular unconformity.
PALAEOZOIC	PERMIAN	Pcw: Micaceous lithic sandstone of metamorphic and volcanic provenance, mudstone, red mudstone, and minor chert (Pcw).
		Pcwb: Basalt at 462010mE 5259185mN (Pcwb).
CARBONIFEROUS	PENNYANTIAN	Pw: Undifferentiated Weald River Group rocks and correlates (Pw); dolostone with minor shale, diamicrite, sandstone, and conglomerate.
		Pwv: Dolostone and rare mudstone (Pwv).
NEOPROTEROZOIC	CYGNETIAN-EDICABIAN	Pwt: Dominantly oolitic grainstone (Pwt).
		Pwf: Dominantly fine-grained dolostone (Pwf).
MESOZOIC	JURASSIC	Pwm: Red mudstone and sandstone (correlate of Annakananda Formation) (Pwm).
		Pwv: Low-angle unconformity.
MESOZOIC	TRIASSIC	Pcm: Mudstone, siltstone and minor dolostone (undifferentiated Humboldt Formation) (Lm); dolostone (Pcd); dominantly stromatolitic dolostone (Pcds).
		Pcd: Dominantly dolomitic mudstone and siltstone, with minor dolostone and limestone (Pcd).
MESOZOIC	TRIASSIC	Pcd: Dolomitic mudstone, siltstone and intracrystalline conglomerate (Pcd).
		Pcdq: Intrusive rocks (correlate of Needles Quartzite) (Pcdq).
MESOZOIC	TRIASSIC	Jd: Dolomite (Jd), of size 0.0-7mm (Jd <sub>1</sub> ); 0.1-5 mm (Jd <sub>2</sub> ); 1.5-3 mm (Jd <sub>3</sub> ); >3 mm (Jd <sub>4</sub> ) and of grain size 0-1 mm with orthopyroxene phenocrysts (Jd <sub>5</sub> ).
		Cspia: Layered peridotite, serpentinite and associated rocks (Cspia).
MESOZOIC	TRIASSIC	Pwv: Bouldery lag of silicification product (Pwv).
		Pwv: Dolostone of Weald River Group partly or wholly replaced by coarsely crystalline quartz of massive to boxwork fabric. Silicification in part of post-Carboniferous age (Pwv).

PERIOD	UNIT	DESCRIPTION
NEOPROTEROZOIC	CYGNETIAN-EDICABIAN	Pw: Undifferentiated Weald River Group rocks and correlates (Pw); dolostone with minor shale, diamicrite, sandstone, and conglomerate.
		Pwv: Dolostone and rare mudstone (Pwv).
MESOZOIC	JURASSIC	Pwm: Red mudstone and sandstone (correlate of Annakananda Formation) (Pwm).
		Pwv: Low-angle unconformity.
MESOZOIC	TRIASSIC	Pcm: Mudstone, siltstone and minor dolostone (undifferentiated Humboldt Formation) (Lm); dolostone (Pcd); dominantly stromatolitic dolostone (Pcds).
		Pcd: Dominantly dolomitic mudstone and siltstone, with minor dolostone and limestone (Pcd).
MESOZOIC	TRIASSIC	Pcd: Dolomitic mudstone, siltstone and intracrystalline conglomerate (Pcd).
		Pcdq: Intrusive rocks (correlate of Needles Quartzite) (Pcdq).
MESOZOIC	TRIASSIC	Jd: Dolomite (Jd), of size 0.0-7mm (Jd <sub>1</sub> ); 0.1-5 mm (Jd <sub>2</sub> ); 1.5-3 mm (Jd <sub>3</sub> ); >3 mm (Jd <sub>4</sub> ) and of grain size 0-1 mm with orthopyroxene phenocrysts (Jd <sub>5</sub> ).
		Cspia: Layered peridotite, serpentinite and associated rocks (Cspia).
MESOZOIC	TRIASSIC	Pwv: Bouldery lag of silicification product (Pwv).
		Pwv: Dolostone of Weald River Group partly or wholly replaced by coarsely crystalline quartz of massive to boxwork fabric. Silicification in part of post-Carboniferous age (Pwv).

CONTACTS	DESCRIPTION
—	Geological contact.
- - - - -	Geological contact - inferred.
---	Limit of mapping of sub-unit within undifferentiated rock unit.
---	Limit of detailed mapping.
FAULTS	DESCRIPTION
- - - - -	Fault.
- - - - -	Fault - inferred.
.....	Fault - concealed.
.....	Normal fault (downthrown side indicated).
.....	Normal fault (downthrown side indicated) - inferred.
.....	Normal fault (downthrown side indicated) - concealed.
LINEARS	DESCRIPTION
---	Scarp.
---	Lineament - visible on aerial photographs.
---	Internal intrusive boundary within igneous body.

CONTACTS	DESCRIPTION
—	Dip of geological contact of unspecified type.
—	Strike and dip of bedding - right way up; overturned; facing unknown.
—	Horizontal bedding.
—	Strike and dip of dominant joint set; vertical.
—	Strike and dip of cleavage of relative local age S <sub>1</sub> .
—	Trend and plunge of minor fold hinge line, unspecified relative age, vergence axial, vergence axial.
—	Strike and dip of cleavage of unspecified type and relative age.
—	Generalised paleogeographic direction, showing sense of movement.
—	Trend and plunge of lineation of unspecified type.
—	Trend and plunge of minor fold hingeline, relative local age F <sub>2</sub> .
—	Trend and plunge of minor fold hinge line, unspecified relative age.



Compiled by C.R. Calver, B.Sc.(Hons), Ph.D. and S.M. Forsyth, B.Sc., 1997 from the following sources (see source diagram):  
A. C.R. Calver, 1989-1990, 1:25 000 scale mapping.  
B. S.M. Forsyth, 1995-1997, 1:100 000 scale mapping.  
C. C.R. Calver, Extrapolation and inference.  
D. S.M. Forsyth, Largely airphoto interpretation.  
E. Jago, J.B., 1972, Geology of the Maydena Range, Papers and Proceedings of the Royal Society of Tasmania, 106:45-57.  
F. Anon, 1981, EL3779 Styx River, Tasmania, BHP Co Ltd Exploration Department, TCRB1-1657.  
Updated by:  
G. VICARY, M.J., 2005, Additional map compilation and review of existing maps in western Tasmania, Tasmanian Geological Survey Report 2005/05, Mineral Resources Tasmania.

**REFERENCE THIS MAP AS:**  
CALVER, C.R. and FORSYTH, S.M. (Compilers) 1997, Digital Geological Atlas 1:25 000 Series, Sheet 4625 Skeleton, Mineral Resources Tasmania.  
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Website: www.mrt.tas.gov.au  
GDAS - MGA Zone 55. Contour Interval: 20 metres.  
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