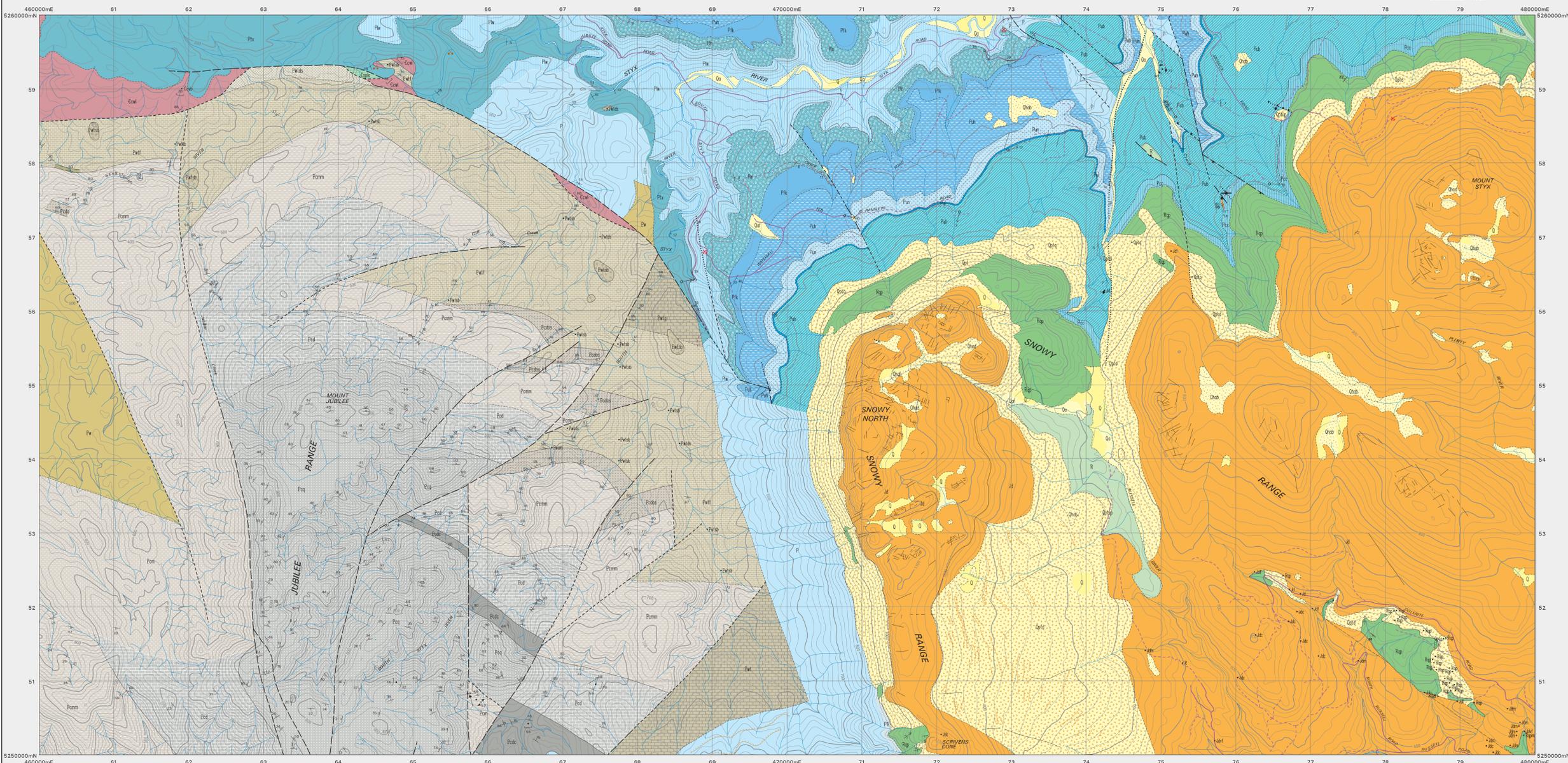
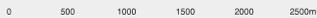


SKELETON

Scale: 1:25 000



PERIOD	UNIT	DESCRIPTION
MESOZOIC	Quaternary	Marsh and swamp deposits (Qms), light marsh deposits with common protruding dolerite outcrops and boulders (Qmsb). Alluvial sand, gravel and clay (Qa). Some alluvial fans indicated (Qaf). Talus (Qpt); talus composed dominantly of Jurassic dolerite boulders (Qptb), dominantly of Upper Permian Supergroup quartz sandstone (Qptq), dominantly of Jurassic dolerite with subordinate Upper Permian Supergroup sandstone (Qptp). Mostly moraine deposits (Qpm).
	Tertiary	Erosional surface. Dominantly freshwater, cross-bedded quartzite sandstone and subordinate micaceous siltstone and mudstone (correlate in part of Ross Formation) (Rsp). Locally thermal metamorphosed by Jurassic dolerite (Rpm). Freshwater cross-bedded felspathic sandstone, micaceous siltstone, carbonaceous beds and coal lenses of places (correlate of Cypriot Coal Measures) (Pc). Generally unfossiliferous medium to thick-bedded marine siltstone and sandstone with limestones, some intensely bioturbated beds and rare conglomeratic siltstone layers (correlate of Abels Bay Formation) (Pab). Well-sorted, fine- to coarse-grained marine felspathic sandstone with quartz granules and pebbles (correlate of Risdon Sandstone) (Pur).
	Permian	Medium to thick-bedded, generally poorly fossiliferous pebbly marine siltstone and sandstone sequences, with well-sorted siliceous weathered coarse-grained sandstone with cobble horizons of the base, and fossiliferous sandstone of the top (correlate of Monna Point Formation) (Pm).
	Paleozoic	Thin to thick-bedded, generally richly fossiliferous marine siltstone and sandstone with limestones. Freshwater or partly cross-bedded to laminated felspathic sandstone and micaceous siltstone with fossil plant pieces (correlate in part of Massau Formation) (Pm).
PALEOZOIC	Carboniferous	Freshwater or partly cross-bedded to laminated felspathic sandstone and micaceous siltstone with limestones (correlate of Bundala Formation) (Pb). Uniform, poorly bedded dark grey marine mudstone and siltstone with sparse glauconitic fossils, limestones and pyrite nodules (correlate of Woody Island Sandstone) (Pw).
	Late Carboniferous	Dark grey dominantly pebbly diamictite with sparse fragmentary marine fossils, mudstone and siltstone (upper unit of Maydena Range of interbedded, pebbly to boulder grade conglomerate, diamictite and sandstone with some shell fossils (correlate of Truro Tillite) (Ptt).
CAMBRIAN	Upper	Micaceous lithic sandstone of metamorphic and volcanic provenance, mudstone, red mudstone, and minor chert (Cw).
	Lower	Basalt at 461900mE 5259,000mN (Cwb).

PERIOD	UNIT	DESCRIPTION
PROTEROZOIC	Neoproterozoic	Undifferentiated Weld River Group rocks and correlates (Pw); dolerite with minor shale, diamictite, sandstone, and conglomerate. Dolerite and rare mudstone (Pwt). Dominantly oolitic grainstone (Pwtg). Dominantly fine-grained dolerite (Pwtf). Red mudstone and sandstone (correlate of Annakanda Formation) (Pwam).
	Clark Group	Dolerite (Pcd), dominantly stromatolitic dolerite (Pcds). Dominantly mudstone and quartz siltstone (Pcmm). Dominantly dolomitic mudstone and siltstone, with minor dolerite and limestone (Pcd). Dolomitic mudstone, siltstone and intraclastic conglomerate (Pcd). Orthoquartzite (correlate of Needles Quartzite) (Pcq).
MESOZOIC	Jurassic	Dolerite (Jd), dolerite fragmented by periglacial processes (Jdb). Dolerite of granitic Qm from (Jd) (0-15 mm (Ld)), (1-3 mm (Ld)), (3-5 mm (Ld)) and of granitic 0-1 mm with orthopyroxene phenocrysts (Jds) indicated.
	Cambrian	Layered peridotite, serpentinite and associated rocks (Csp).

ALTERED ROCKS

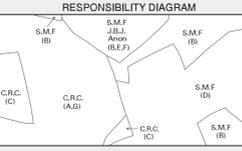
Pwtab	Bouldery log of silicification product (Pwtab).
Pelids	Dolerite of Weld River Group partly or wholly replaced by coarsely crystalline quartz of massive to boxwork fabric. Silicification in part of post-Cambrian age (Pwtab).

---	Geological boundary - position approximate
---	Geological boundary - inferred
---	Intrusive boundary - position approximate
---	Scarp
---	Photo Lineament
---	Fault - position approximate
---	Fault - inferred
---	Fault - concealed
---	Fault - position approximate, downthrown side indicated
---	Fault - inferred, downthrown side indicated
---	Fault - concealed, downthrown side indicated

↗ ↘	Strike and dip of bedding - right way up; overturned; facing unknown.
+	Horizontal bedding.
+	Strike and dip of dominant joint set.
↗ ↘	Strike and dip of cleavage of relative local age S2.
↗ ↘	Trend and plunge of minor fold hinge line, unspecified relative age; vergence dextral; vergence sinistral.
↗ ↘	Strike and dip of cleavage of unspecified type and relative age.
↗ ↘	Strike of vertical outcrop-scale fault, type unspecified.
↗ ↘	Generalised paleocurrent direction, showing sense of movement.
↗ ↘	Trend and plunge of lineation of unspecified type.
↗ ↘	Trend and plunge of minor fold hinge line, relative local age F2.
↗ ↘	Trend and plunge of minor fold hinge line, unspecified relative age.
+	Field station for adjacent readings on the map.
+	Mineral deposit location - hardrock
+	Mineral deposit location - alluvial
+	Construction materials location

Compiled by C.R. Caher, B.Sc. (Hons), Ph.D. and S.M. Toral, B.Sc., 1997 from the following sources (see responsibility diagram):
A. 1:25000 scale mapping, 1989-1990.
B. 1:50000 scale mapping, 1995-1997.
C. Extrapolation and inference.
D. Large-scale interpretation.
E. Jago, R. 1972. Proc. R. Soc. Tasmania, 106:45-56.
F. Aron, 1981. EL3/779 Styx River, Tasmania. BRP Co Ltd Exploration Department. TC81-1657.
G. Updated by M. Moore, 2004 as part of the Western Tasmania Regional Minerals Program.

Digital base information from Information and Land Services Division, Department of Primary Industries, Water and Environment.
Map produced by the Data Management Branch of Mineral Resources, Tasmania using G.I.S. software: ArcView, ArcMap, Core GIS, Contour Interval: 20 metres.



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