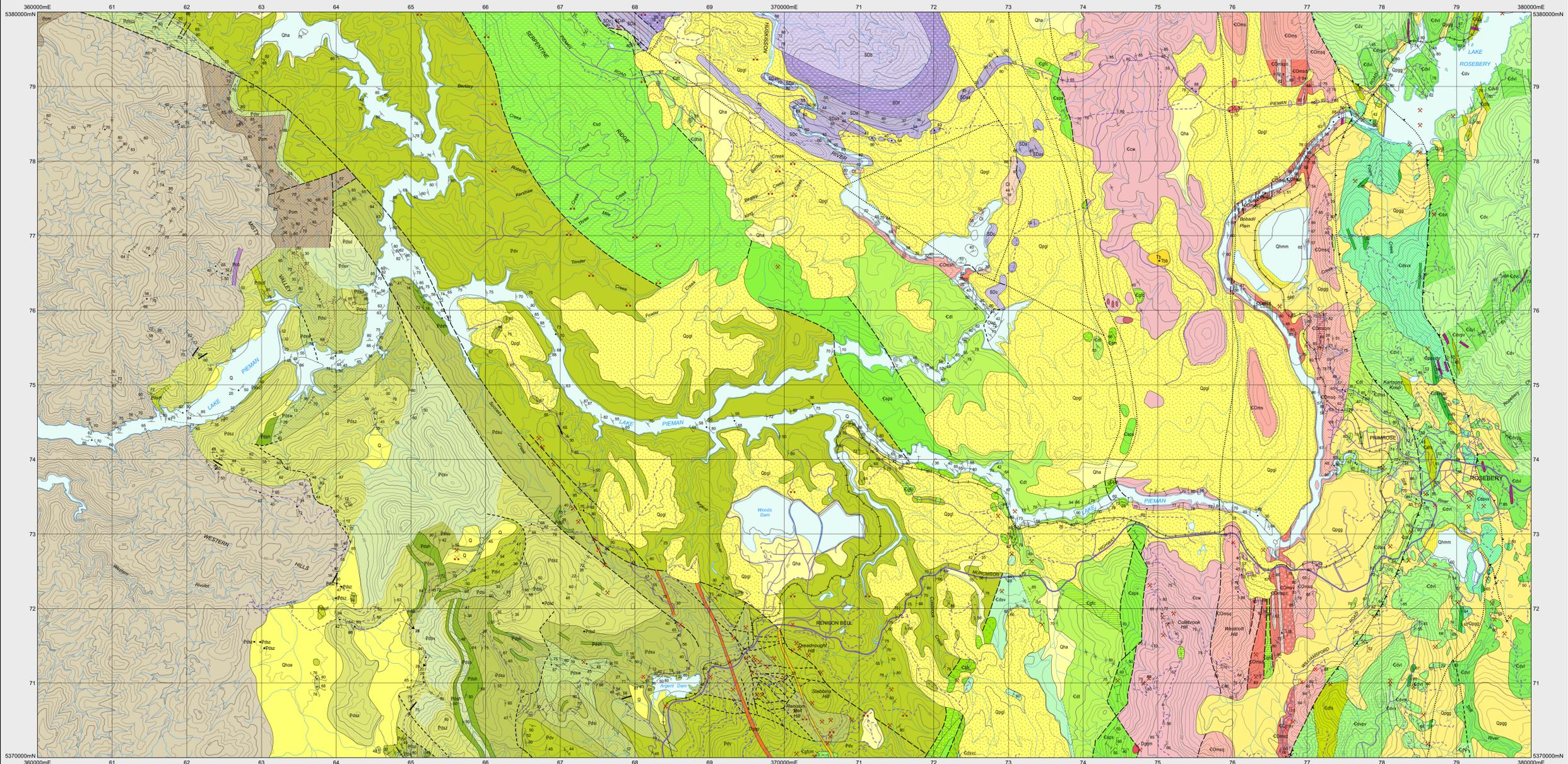
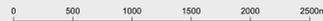


ROSEBERY

Scale 1:25 000



PERIOD	UNIT	DESCRIPTION
CENOZOIC	Quaternary	Qhmm: Undifferentiated Quaternary sediments (Q). Man-made deposits (Qhmm).
	Quaternary	Qha: Stream alluvium, swamp and marsh deposits (Qha).
	Quaternary	Qho: Older alluvium, marsh deposits and alluvium (Qho).
	Quaternary	Qp: Pleistocene glacial and glaciogenic deposits (Qp).
	Quaternary	Qpg: Fluvio-glacial and lacustrine deposits (Qpg).
PALEOGENE - NEOGENE	Tb	Basalt (Tb), including local occurrence of basaltite at 37500mE, 537660mN (Tb).
	Unconformity.	
PALEOZOIC	Devonian	Sdb: Grey or greenish grey interbedded laminated mudstone, siltstone and minor fine-grained quartz sandstone (Bell Shale) (Sdb). Generally pale grey, fine-grained quartz sandstone with subordinate interbedded greenish grey siltstone (Florence Quartzite and correlates) (SDQ). Siltstone, mudstone and calcareous siltstone with limestone or quartz sandstone layers (undifferentiated correlate of Austral Creek siltstone, Keel Quartzite and Amber Slate) (SDa).
	Devonian	SDa: Limestone layer within unit SDa (SDa).
	Devonian	SDs: Quartz sandstone layer within unit SDa (SDa).
	Devonian	SDc: Generally pale grey and in part pink, commonly coarse-bedded, fine-to coarse-grained quartz sandstone with common pebbly conglomerate layers and/or interbedded pale green mudstone and siltstone (Crofty Quartzite and correlates) (SDc).
	Devonian	Oi: Dark grey carbonate rocks, calcareous mudstone, minor quartz sandstone and black clay weathering products, in part fossiliferous (Corstange of Gordon Group) (Oi).

PERIOD	UNIT	DESCRIPTION	
PALEOZOIC	Permian	C0ms: Marine sandstone-siltstone-conglomerate sequence, overlain by micritic, marine fossils in places (includes parts of 'Rosebery Group' and upper Huskisson Group) (C0ms). Mainly siliceous conglomerate with interbedded sandstone (C0ms).	
	Permian	C0mhc: Mainly shale, mudstone and siltstone, highly fossiliferous at Huskisson River (C0mhc).	
	Permian	C0mha: Polymict conglomerate, typically calcareous, with fuchsite in places (C0mhc).	
	Permian	C0mspc: Dolomitic mudstone, siltstone and sandstone, with interbeds of volcanoclastic conglomerate and sandstone in places (C0mspc).	
	Permian	C0msd: Dolomitic mudstone, siltstone and sandstone, with interbeds of volcanoclastic conglomerate and sandstone in places (C0msd).	
	Permian	C0msq: Micaceous quartzite sandstone-siltstone-conglomerate sequence (includes Slat Quartzite and correlates) (C0msq).	
	Permian	C0msm: Units of dominantly siltstone and mudstone (C0msm).	
	Permian	C0mva: Volcanoclastic sandstone and breccia units, typically felsic, quartz-feldspar-phryic (C0mva).	
	PALEOZOIC	Permian	C0vt: Mainly volcanoclastic to polymict sandstone, breccia, siltstone, mudstone and conglomerate, typically quartz-feldspar-phryic. Marine fossils in places. Includes part of Huskisson Group and 'Permian Pyroclastics' (correlates of Typical Group) (C0vt).
		Permian	C0vta: Dominantly volcanoclastic sandstone, typically felsic, crystalline (C0vta).
Permian		C0vtr: Interbedded volcanoclastic sandstone, breccia, siltstone, mudstone and conglomerate. Lower Huskisson Group (C0vtr).	
Permian		C0vts: Shale-siltstone-mudstone sandstone units (includes Rosebery Shale) (C0vts).	
Permian		C0vta: Dominantly conglomerate, volcanoclastic to polymict (includes Red Lead Conglomerate) (C0vta).	
Permian		C0vtr: Mainly volcanoclastic sandstone, typically crystal-rich quartz-feldspar, with some siltstone and mudstone (C0vtr).	
Permian		C0vtr: Dominantly felsic-phryic volcanic and volcanoclastic rocks (C0vtr).	
Permian		C0vtr: Feldspar-quartz porphyry, typically with spherulitic ground mass, intrusive to partly extrusive (C0vtr).	
Permian		C0vtr: Mainly felsic volcanic and pyroclastic rocks dominantly felsic-phryic, including pumice-bearing units (C0vtr).	
Permian		C0vtr: Pumice-bearing volcanoclastic rocks. Usually with eutaxitic texture (C0vtr).	

PERIOD	UNIT	DESCRIPTION
PALEOZOIC	Permian	C0vw: Basaltic lithicwacke, siltstone and red green mudstone, with minor carbonate, tholeiitic basalt and mafic intrusive rocks (correlates of Cleveland-Waratah Association) (C0vw). Areas of tholeiitic basalt lava (C0vw).
	Permian	C0vva: Dominantly mafic volcanoclastic lithicwacke and siltstone and carbonate beds (Crinson Creek Formation) (C0vva).
	Permian	C0vva: Interbedded volcanoclastic lithicwacke, siltstone and vitriclastic tuff (C0vva).
	Permian	C0vva: Red chert and mudstone with minor conglomerate horizons (C0vva).
	Permian	C0vva: Shallow water quartz sandstone and siltstone with carbonate and chert beds (C0vva). Dominantly siltstone and mudstone, undifferentiated units P0sc and P0su (C0vva). White well sorted quartz sandstone (C0vva).
	Permian	C0vva: Red to purple hematitic siltstone (P0sa).
	Permian	C0vva: Felsic-mafic volcanoclastic lithicwacke and siltstone (P0sv).
	Permian	C0vva: Possible stratigraphic horizons of sheared carbonaceous siltstone with phacoids of broken sandstone beds forming tectonic intrusions into P0su and P0sv (P0sv).
	Permian	C0vva: Dominantly laminated grey siliceous siltstone with minor quartz sandstone and conglomerate horizons (P0sv). Dolomite horizons indicated (P0sv).
	Permian	C0vva: Black mudstone, siltstone and minor sandstone (dominated by soft sediment deformation) (P0sv).

PERIOD	UNIT	DESCRIPTION	
PALEOZOIC	Permian	P0sa: Undifferentiated Donoh Formation, dominantly quartzite hornfelses (P0). Thinly bedded dark grey, silty to relatively massive mafic siltstone and mudstone (P0m). Mafic vesicular lavas (P0b).	
	Permian	P0m: Undifferentiated Donoh Formation, dominantly quartzite hornfelses (P0).	
	Permian	P0b: Mafic vesicular lavas (P0b).	
	MESOZOIC	Triassic	Jd: Dolerite (Jd).
		Triassic	Dgpp: Quartz porphyry (Dgpp).
		Triassic	Dgpm: Red and/or white massive quartz bodies (Dgpm).
		Triassic	C0bc: Basaltic dykes, typically chlorite altered (C0bc).
		Triassic	C0fs: Feldspar-quartz porphyry, commonly spherulitic (C0fs).
		Triassic	C0b: Low Ti-tholeiitic and boninitic lavas (C0b).
		Triassic	C0g: Massive and multiple-intrusive two-pyroxene, granular textured gabbro (C0g).
Triassic		C0gf: Fine to coarse-grained gabbro (C0gf).	
Triassic		C0sp: Serpentinised layered peridotite and pyroxenite (C0sp).	
Triassic		C0sd: Dominantly serpentinised layered dunite and harzburgite (C0sd).	

SYMBOL	DESCRIPTION
↗ ↘	Strike and dip of bedding, facing known - right way up; overcast vertical, facing indicated by single line.
↗ ↘	Strike and dip of bedding, facing unknown - dipping vertical.
↗ ↘	Strike and dip of compositional layering.
↗ ↘	Strike and dip of igneous banding - dipping vertical.
↗ ↘	Strike and dip of cleavage, type and relative age unspecified - dipping, vertical.
↗ ↘	Strike and dip of cleavage, relative local age S.
↗ ↘	Trend and plunge of hinge-line of minor folds with dip and dip direction of axial surface indicated; vertical axial surface; horizontal hinge-line.
↗ ↘	Trend and plunge of hinge-line of minor folds, relative local age S.
↗ ↘	Strike and dip of outcrop-scale fault, with trend and plunge of slickensides indicated, movement sense unspecified.
↗ ↘	Field station for adjacent readings on the map.
•	Notable small outcrop with rock unit indicated.
⊙	Macrofossil location.
⊙	Mineral deposit location - hardrock.
⊙	Mineral deposit location - alluvial/tailings.
⊙	Construction material/industrial mineral/aggregate location.

SOURCE DIAGRAM

CONTACTS

- Geological contact
- Geological contact - inferred
- Limit of mapping of sub-unit within undifferentiated rock unit.

FAULTS

- Fault
- Fault - inferred
- Fault - concealed
- Thrust fault (teeth on upper plate)
- Thrust fault (teeth on upper plate) - concealed

LINEARS

- Lithological trend line, including bedding trace interpreted from aerial photographs

REFERENCE THIS MAP AS:
SEYMOUR, D.B. and McMCLLENAGHAN, M.P. (compilers) 2003. Digital Geological Atlas 1:25 000 Series, Sheet 3637 Rosebery, Mineral Resources Tasmania.

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Website: www.mrt.tas.gov.au
GDA94 - MGA Zone 55. Contour Interval: 20 metres.

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LOCATION DIAGRAM

INDEX TO ADJOINING SHEETS

UNWINDSTONE	PARSONS BLOCK
STRONGER	ROSEBERY
ROSEBERY EAST	TULLAH
WEST OF MAPS	DUNDAS
	SILINA

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ROSEBERY 3637

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