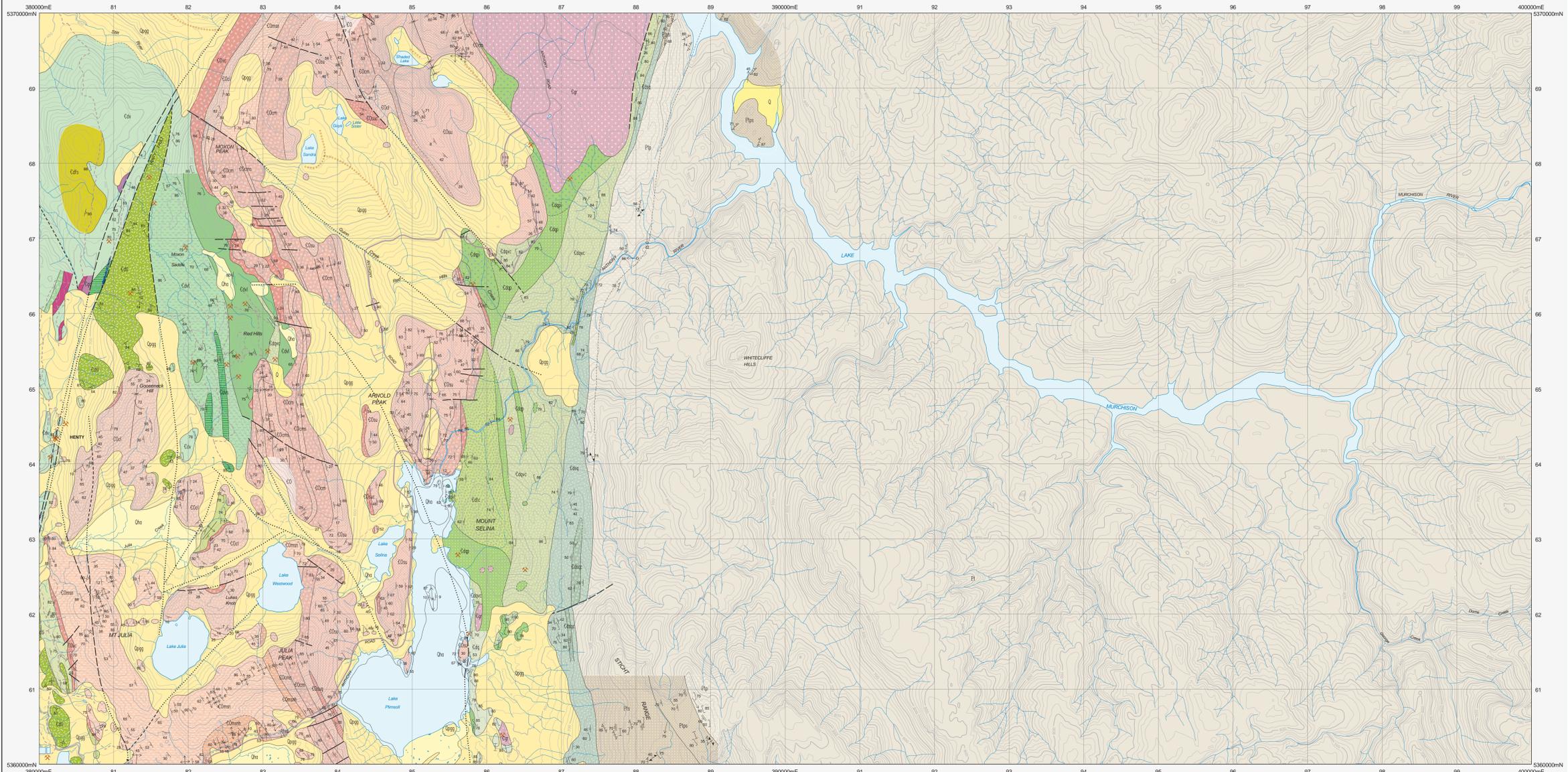


# SELINA

Scale: 1:25 000



PERIOD	UNIT	DESCRIPTION
CENOZOIC	QUATERNARY	<p><b>Qha</b> Holocene alluvium, swamp and marsh deposits (Qha).</p> <p><b>Q</b></p> <p><b>Qagg</b> Pleistocene glacial deposits, usually bouldery (Qagg).</p>
	PALEOZOIC	PERMIAN
<b>COsp</b> Unit of grey sandstone, siltstone and conglomerate with possible minor limestone (COsp).		
<b>COcp</b> Unit of coarse pebble-cobble conglomerate (COcp).		
<b>COcm</b> Pebble-cobble to cobble-boulder conglomerate, thick-bedded to massive, with minor sandstone lenses. Middle Owen Conglomerate and correlative (COcm).		
<b>COms</b> Unit of interbedded conglomerate and sandstone (COms).		
<b>COmsn</b> Interbedded micaceous sandstone, siltstone and siliciclastic pebble conglomerate. Mostly grey in colour. Marine fossils in places. Newton Creek Sandstone and correlative (COmsn).		
<b>COmsm</b> Unit of dominantly siltstone and shale (COmsm).		
<b>COvc</b> Volcaniclastic conglomerate, breccia and sandstone, usually at base of sequence. Includes correlative of Jukes Conglomerate (COvc).		
<b>COvt</b> Interbedded volcanoclastic and volcanic rocks, typically quartz-feldspar-phryic (COvt).		
<b>COvcf</b> Dominantly volcanoclastic conglomerate and sandstone (COvcf).		
CAMBRIAN	<b>COvt</b> Felsic lava and lava breccia, typically quartz-feldspar-phryic (COvt).	
	<b>COvtm</b> Felsic lava and lava breccia, typically quartz-feldspar-phryic, with minor siltstone and conglomerate (Mt Julia Member or Middle Tyndall Group) (COvtm).	

PERIOD	UNIT	DESCRIPTION
PALEOZOIC	CAMBRIAN	<b>COvt</b> Interbedded volcanic and volcanoclastic rocks and intrusive porphyries, typically quartz-feldspar-phryic (COvt).
		<b>COcp</b> Felsic porphyry, typically quartz-feldspar-phryic, includes extrusive and intrusive bodies (COcp).
		<b>COcpv</b> Mainly intrusive quartz-feldspar-phryic (COcpv).
		<b>COvtv</b> Vitriclastic cherty mudstone (COvtv).
		<b>COcpv</b> Dominantly volcanoclastic rocks, typically quartz-feldspar-phryic (COcpv).
	DEVONIAN	<b>COvt</b> Siliciclastic conglomerate and sandstone with interbedded micaceous siltstone and minor volcanoclastic rocks. Slick Range dyke (COvt).
		<b>COvtq</b> Pebble-cobble conglomerate unit (COvtq).
		<b>COvtv</b> Volcaniclastic sandstone unit (COvtv).
		<b>COvt</b> Dominantly feldspar-phryic volcanic and volcanoclastic rocks (COvt).
		<b>COvt</b> Mainly felsic volcanoclastic and pyroclastic rocks, dominantly feldspar-phryic, including pumice-bearing units (COvt).
MOUNT REED VOLCANICS	<b>COvt</b> Block and ash flow breccia with lithic clasts and pumice fragments (COvt).	
	<b>COvt</b> Shale-siltstone-sandstone units (COvt).	
	<b>COvt</b> Felsic lava, typically feldspar +/- quartz-phryic rhyolite to dacite (COvt).	
	<b>COvt</b> Feldspar-quartz porphyry, typically with spherulitic groundmass (COvt).	
	<b>COvt</b> Basalt, commonly chlorite-altered (COvt).	
MOUNT REED VOLCANICS	<b>COvt</b> Interbedded volcanoclastic sandstone, breccia, siltstone, mudstone and conglomerate, with minor siltstone to basaltic volcanics and intrusive - extrusive porphyries, includes parts of White Spur Formation, Hercules hanging wall sequence, lower Dundas Group and lower Muskusson Group (COvt).	

PERIOD	UNIT	DESCRIPTION
MESOPROTEROZOIC	<b>Etq</b> Dominantly quartzite (Etq).	
	<b>Et</b>	Dominantly phyllite (Et).
	<b>Etqs</b> Interlayered phyllite and quartzite (Etqs).	
PALEOZOIC	DEVONIAN	<b>D</b> Lamprophyre (D).
		<b>Gp</b> Granite (Gp).
	CAMBRIAN	<b>COvt</b> Basaltic dykes, typically chlorite-altered (COvt).
		<b>COvt</b> Gabbro (COvt).
		<b>COcp</b> Felsic porphyry, typically quartz-feldspar-phryic, includes extrusive and intrusive bodies (COcp).
		<b>COcpv</b> Mainly intrusive quartz-feldspar-phryic (COcpv).
		<b>COvt</b> Feldspar-quartz porphyry, typically with spherulitic groundmass (COvt).
		<b>COvt</b> Geological boundary - position approximate.
		<b>COvt</b> Marine ridge crests.
		<b>COvt</b> Fault - position approximate.
<b>COvt</b> Fault - inferred.		
<b>COvt</b> Fault - concealed.		
<b>COvt</b> Normal fault (downthrown side indicated) - concealed.		
<b>COvt</b> Axial surface trace of major fold - antiform.		
<b>COvt</b> Axial surface trace of major fold - synform.		
<b>COvt</b> Limit of mapping of sub-unit while undifferentiated rock unit.		

SYMBOL	DESCRIPTION
	Strike and dip of bedding - right way up; overturned; facing unknown.
	Strike of vertical bedding, facing unknown.
	Strike and dip of compositional layering, vertical.
	Strike and dip of cleavage of unspecified type and relative age, vertical.
	Strike and dip of cleavage or foliation, relative local age S1 vertical.
	Strike and dip of cleavage or foliation, relative local age S2, vertical.
	Trend and plunge of lineation of unspecified type.
	Trend and plunge of kink-fold hinge line, sense of displacement unknown.
	Trend and plunge of minor fold hinge line, unspecified relative age.
	Trend and plunge of minor fold hinge line, relative local age F1.
	Trend and plunge of hinge line of unspecified relative age, minor antiform; minor synform.
	Trend of horizontal hinge line of minor antiform, unspecified relative age, synform.
	Strike and dip of igneous banding or platy alignment, vertical.
	Trend of horizontal minor fold hinge line, unspecified relative age.
	Field station for adjacent readings on the map.
	Mineral deposit location - hardrock - Data derived from Mineral Resources Tasmania DEPOSITS database. Data point position has not been verified in every case.

Compiled by K.D. Corbett, B.Sc. (Hons) Ph.D., A.W. McNeill, B.Sc. (Hons), and J.C. Jackson, B.Sc. (Hons), 1995 from the following sources (see responsibility diagram):

A. McNeill, A.W. 1987. Geology of the Mt Murchison area. Map 4. Mt Murchison Volcanics Project, Department of Mines, Tasmania.

B. Corbett, K.D. and Jackson, J.C. 1987. Geology of the Tyndall Range area. Map 5. Mt Reed Volcanics Project, Department of Mines, Tasmania.

C. Corbett, K.D. and McNeill, A.W. 1986. Geology of the Rosebery Mt Block area. Map 2. Mt Reed Volcanics Project, Department of Mines, Tasmania.

D. Corbett, K.D. 1986. Geology of the Henry River Mt Reed area. Map 3. Mt Reed Volcanics Project, Department of Mines, Tasmania.

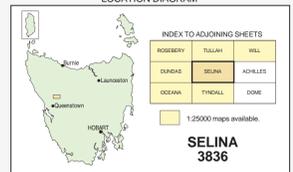
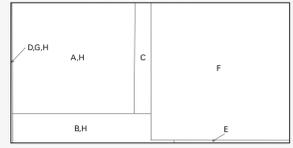
E. Air photo interpretation by D.B. Seymour with additional information from Mt Reed Volcanics Project Map 6.

F. Air photo interpretation by K.D. Corbett.

G. Unpublished data, Permian Exploration.

Updated by:

H. K.D. Corbett, 2003 as part of the Western Tasmanian Regional Minerals Program.



**REFERENCE THIS MAP AS:**  
CORBETT, K.D., McNEILL, A.W. and JACKSON, J.C. (compilers)  
2003. Digital Geological Atlas 1:25 000 Series. Sheet 3836 Selina.  
Mineral Resources Tasmania.

Base data from the LIST. Copyright State of Tasmania.  
Map produced by Spatial Information Services,  
Mineral Resources Tasmania using G.I.S. software.  
Website: www.mrt.tas.gov.au

GD84 - MGA Zone 55. Contour Interval: 20 metres.

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