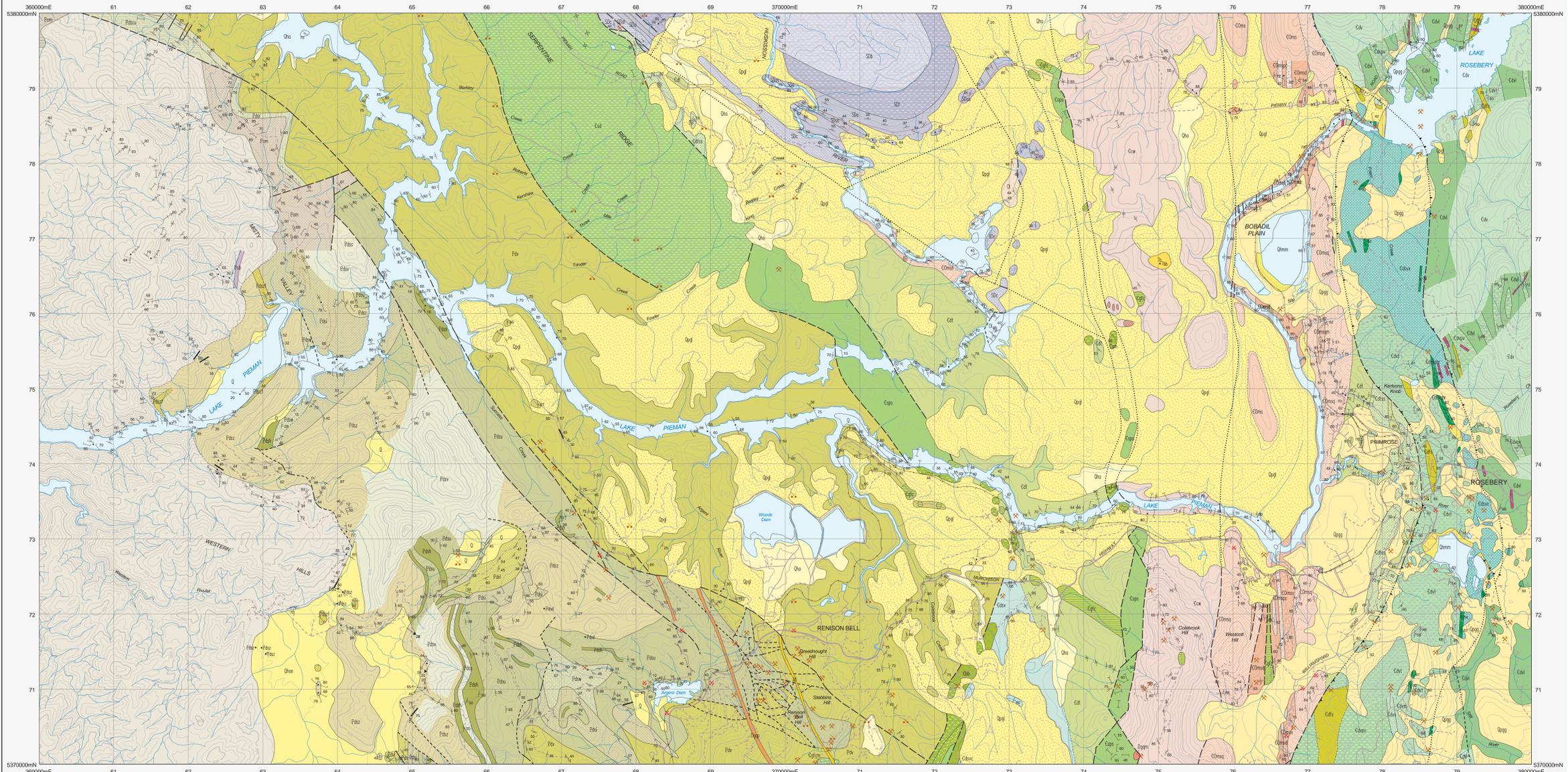


# ROSEBERY

Scale: 1:25 000



PERIOD	UNIT	DESCRIPTION
CENOZOIC	Qhmn	Man-made deposits (Qhmn)
	Qha	Stream alluvium, swamp and marsh deposits (Qha)
	Qho	Older alluvium, marsh deposits and alluvium (Qho)
	Qp	Quaternary glacial and glaciolacustrine deposits (Qp)
PALEOZOIC	Tb	Basalt (Tb), including local occurrence of basaltite of 375000mE, 5276600mE (Tb)
	Unconformity	Unconformity
DEVLONIAN	Sb	Grey or greenish grey, interbedded laminated mudstone, siltstone and minor fine-grained quartz sandstone (Sb)
	Sd	Generally pale grey, fine-grained quartz sandstone (Sd)
	Sda	Siltstone, mudstone and calcareous siltstone with limestone or quartz sandstone layers (undifferentiated correlative of Austin Creek siltstone, Kest quartzite and Amber State) (Sda)
	Sdb	Quartz sandstone layer within unit Sda (Sdb)
	Sdc	Siltstone and shale (correlative of Amber State) (Sdc)
SILURIAN	SDa	Generally pale grey and in part pink, commonly curved-bedded, fine-to coarse-grained quartz sandstone with common pebbles conglomerate layers and interbedded pale green mudstone and siltstone (Carly Quartzite and correlative) (SDa)
	SDb	Limestone layer within unit SDa (SDb)
ORDOVICIAN	Oi	Dark grey carbonate rocks, calcareous mudstone, minor quartz sandstone and black clay weathering products in part fossiliferous (Correlative of Gordon Group) (Oi)

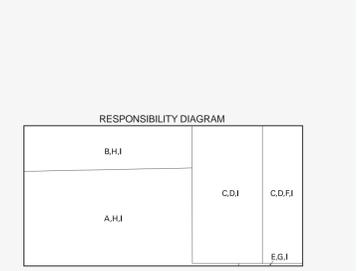
PERIOD	UNIT	DESCRIPTION
CAMBRIAN	COms	Mudstone-siltstone-conglomerate sequence, siltstone to calcareous mudstone in places. Includes parts of Rosebery Group and upper Nulksion Group (COms)
	COmh	Mudstone-siltstone-conglomerate sequence, siltstone to calcareous mudstone in places. Includes parts of Rosebery Group and upper Nulksion Group (COmh)
	COmp	Polymict conglomerate, typically calcareous, with fuculite in places (COmp)
	COmq	Dolomitic mudstone, siltstone and sandstone, with interbedded volcanoclastic conglomerate and sandstone in places (COmq)
	COmv	Mudstone-siltstone-conglomerate sequence (includes Still Quartzite and correlative) (COmv)
MURUMBidgee SUPERGROUP	COms	Units of dominantly siltstone and mudstone (COms)
	COmh	Volcanoclastic sandstone and breccia units, typically felsic, quartz-feldspar-phyric (COmh)
	COmp	Mudstone-siltstone-conglomerate sequence, siltstone, mudstone and conglomerate, typically quartz-feldspar-phyric. Marine fossils in places. Includes part of Nulksion Group and Primrose Pyroclastics (correlative of Lyall Group) (COmp)
	COmq	Dominantly volcanoclastic sandstone, typically felsic, crystal-rich (COmq)
	COmv	Volcanoclastic sandstone and breccia units, typically felsic, quartz-feldspar-phyric (COmv)
WESTERN VOLCANIC CONPLEX	COms	Mudstone-siltstone-conglomerate sequence, siltstone, mudstone and conglomerate, typically quartz-feldspar-phyric. Marine fossils in places. Includes part of Nulksion Group and Primrose Pyroclastics (correlative of Lyall Group) (COms)
	COmh	Dominantly volcanoclastic sandstone, typically felsic, crystal-rich (COmh)
	COmp	Units of dominantly siltstone and mudstone (COmp)
	COmq	Volcanoclastic sandstone and breccia units, typically felsic, quartz-feldspar-phyric (COmq)
	COmv	Mudstone-siltstone-conglomerate sequence, siltstone, mudstone and conglomerate, typically quartz-feldspar-phyric. Marine fossils in places. Includes part of Nulksion Group and Primrose Pyroclastics (correlative of Lyall Group) (COmv)
MOUNT READ VOLCANICS	COms	Mudstone-siltstone-conglomerate sequence, siltstone, mudstone and conglomerate, typically quartz-feldspar-phyric. Marine fossils in places. Includes part of Nulksion Group and Primrose Pyroclastics (correlative of Lyall Group) (COms)
	COmh	Dominantly volcanoclastic sandstone, typically felsic, crystal-rich (COmh)
	COmp	Units of dominantly siltstone and mudstone (COmp)
	COmq	Volcanoclastic sandstone and breccia units, typically felsic, quartz-feldspar-phyric (COmq)
	COmv	Mudstone-siltstone-conglomerate sequence, siltstone, mudstone and conglomerate, typically quartz-feldspar-phyric. Marine fossils in places. Includes part of Nulksion Group and Primrose Pyroclastics (correlative of Lyall Group) (COmv)

PERIOD	UNIT	DESCRIPTION
PALEOZOIC	COms	Mudstone-siltstone-conglomerate sequence, siltstone, mudstone and conglomerate, typically quartz-feldspar-phyric. Marine fossils in places. Includes part of Nulksion Group and Primrose Pyroclastics (correlative of Lyall Group) (COms)
	COmh	Dominantly volcanoclastic sandstone, typically felsic, crystal-rich (COmh)
NEOPROTEROZOIC	COms	Mudstone-siltstone-conglomerate sequence, siltstone, mudstone and conglomerate, typically quartz-feldspar-phyric. Marine fossils in places. Includes part of Nulksion Group and Primrose Pyroclastics (correlative of Lyall Group) (COms)
	COmh	Dominantly volcanoclastic sandstone, typically felsic, crystal-rich (COmh)
DEVLONIAN	COms	Mudstone-siltstone-conglomerate sequence, siltstone, mudstone and conglomerate, typically quartz-feldspar-phyric. Marine fossils in places. Includes part of Nulksion Group and Primrose Pyroclastics (correlative of Lyall Group) (COms)
	COmh	Dominantly volcanoclastic sandstone, typically felsic, crystal-rich (COmh)
MOUNT READ VOLCANICS	COms	Mudstone-siltstone-conglomerate sequence, siltstone, mudstone and conglomerate, typically quartz-feldspar-phyric. Marine fossils in places. Includes part of Nulksion Group and Primrose Pyroclastics (correlative of Lyall Group) (COms)
	COmh	Dominantly volcanoclastic sandstone, typically felsic, crystal-rich (COmh)

PERIOD	UNIT	DESCRIPTION
INTRUSIVE AND ALLOCHTHONOUS IGNEOUS ROCKS	Jd	Dolerite (Jd)
	Dgpp	Quartz porphyry (Dgpp)
DEVLONIAN	COms	Mudstone-siltstone-conglomerate sequence, siltstone, mudstone and conglomerate, typically quartz-feldspar-phyric. Marine fossils in places. Includes part of Nulksion Group and Primrose Pyroclastics (correlative of Lyall Group) (COms)
	COmh	Dominantly volcanoclastic sandstone, typically felsic, crystal-rich (COmh)
MOUNT READ VOLCANICS	COms	Mudstone-siltstone-conglomerate sequence, siltstone, mudstone and conglomerate, typically quartz-feldspar-phyric. Marine fossils in places. Includes part of Nulksion Group and Primrose Pyroclastics (correlative of Lyall Group) (COms)
	COmh	Dominantly volcanoclastic sandstone, typically felsic, crystal-rich (COmh)

PERIOD	UNIT	DESCRIPTION
INTRUSIVE AND ALLOCHTHONOUS IGNEOUS ROCKS	COms	Mudstone-siltstone-conglomerate sequence, siltstone, mudstone and conglomerate, typically quartz-feldspar-phyric. Marine fossils in places. Includes part of Nulksion Group and Primrose Pyroclastics (correlative of Lyall Group) (COms)
	COmh	Dominantly volcanoclastic sandstone, typically felsic, crystal-rich (COmh)
DEVLONIAN	COms	Mudstone-siltstone-conglomerate sequence, siltstone, mudstone and conglomerate, typically quartz-feldspar-phyric. Marine fossils in places. Includes part of Nulksion Group and Primrose Pyroclastics (correlative of Lyall Group) (COms)
	COmh	Dominantly volcanoclastic sandstone, typically felsic, crystal-rich (COmh)
MOUNT READ VOLCANICS	COms	Mudstone-siltstone-conglomerate sequence, siltstone, mudstone and conglomerate, typically quartz-feldspar-phyric. Marine fossils in places. Includes part of Nulksion Group and Primrose Pyroclastics (correlative of Lyall Group) (COms)
	COmh	Dominantly volcanoclastic sandstone, typically felsic, crystal-rich (COmh)

Compiled by D.B. Seymour, B.Sc. (Hons), Ph.D. and M.P. MacLennaghan, B.Sc. (Hons), Ph.D., 1997 from the following sources (see responsibility diagram):  
A. BROWN, A.V., FINDLAY, R.H., GOSCOMBE, B.D., MACLENNAGHAN, M.P. and SEYMOUR, D.B. 1984. Zoolites. Geological Atlas 1:50 000 series sheet 50 (7914S). Department of Mines, Tasmania.  
B. TURNER, N.J., BROWN, A.V., MACLENNAGHAN, M.P. and SCOTERINO, I. 1991. Zoolites. Geological Atlas 1:50 000 series sheet 43 (7914S). Department of Mines, Tasmania.  
C. CORBETT, K.D. and DANIELL, A.W. 1986. Geology of the Rosebery - Mt Read area. Map 2. Mt Read Volcanic Project. Department of Mines, Tasmania.  
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F. Unpublished data, R. Allen, 1991, Zenix Limited.  
G. Unpublished data, Palmonco Exploration.  
H. BROWN, A.V. 1986. Regional Geology of the Dundas - Mt Lindsay - Mt Ramsey Area. Geological Survey Bulletin 62. Department of Mines, Tasmania.  
Updated by:  
I. K.D. Corbett, 2003 as part of the Western Tasmanian Regional Minerals Program.



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Website: www.mrt.tas.gov.au  
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