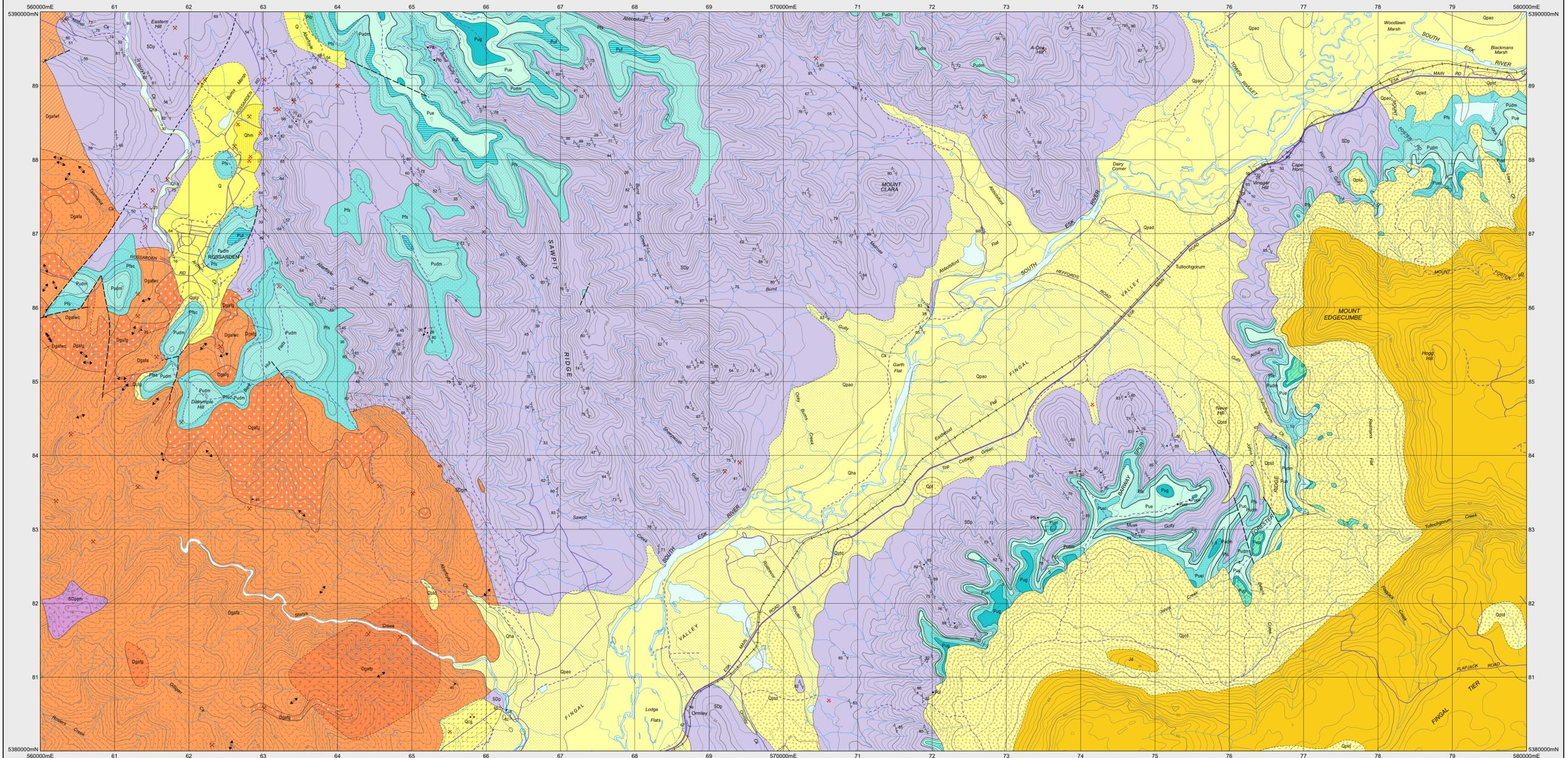


ROSSARDEN

Scale 1:25 000



CENOZOIC	
QUATERNARY	
Qhm	Undifferentiated deposits (Q). Mine tailings and disturbed ground (Qhm).
Qha	Stream alluvium, swamp and marsh deposits (Qha).
Qpad	Older alluvium of river terraces, predominantly dolerite derived (Qpad).
Qha1	Holocene alluvial deposits (Qha1).
Qpao	Older alluvium of river terraces (Qpao).
Qcg	Colluvium: quartz-granule gravel derived from granitic rocks (Qcg).
Qdt	Talus (Qdt). Talus of dominantly Lower Permian rocks (Qdtb). Talus consisting dominantly of dolerite boulders (Qdtd).
Unconformity.	
PELECENE	
Pup	Poorly-sorted gray mudstone, siltstone and rare sandstone unfossiliferous except for rare forams (Pup). Beds of pebbly sandstone about 1m thick (Pup). (Pup: Prospect Creek Mudstone).
Pue	Thick-bedded, usually poorly sorted pebbly sandstone passing up into interbedded sandstone, siltstone and mudstone with marine fossils abundant in places (Pue). (Pue: Mistletoe Sandstone).
Pue1	Dominantly bioclastic limestone (Pue1). (Pue1: Burnt Gully Limestone).
Pue	Marine fossiliferous mudstone, siltstone and minor sandstone and bioclastic limestone (Pue).
Puf	Fine-grained pebbly sandstone with phosphatic nodules. Marine fossils present in some areas. Thin (~2m thick) unit denoted by thick line in some places (Puf). (Puf: Fossiliferous Sandstone Member).
Pudm	Mudstone, siltstone and minor poorly sorted sandstone. Uncommon marine fossils (Pudm). (Pue, Puf, Pudm: Castle Carey Mudstone).
Pis	Dominantly well-sorted quartz sandstone usually cross-bedded or laminated and commonly with interbedded and laminated carbonaceous shale, lesser conglomerate and rare coal (Pis). dominantly very coarse-grained arkose sandstone and granule conglomerate (Pis). (Pis: Aberfoyle Formation).
Pib	Poorly sorted pebbly mudstone, sandstone and minor conglomerate, marine fossils present in places (Pib). (Pib: Strickland Gorge Formation).
Unconformity.	
PERMIAN	
PALEOZOIC	
SILURIAN/DEVONIAN	
SDp	Quartzite turbidite sequence of interbedded sandstone, siltstone and mudstone with sandstone dominant (SDp). contact metamorphosed by granitic intrusion (SDpm).
SDpm	Quartzite turbidite sequence of interbedded sandstone, siltstone and mudstone with significant mudstone, contact metamorphosed by granitic intrusion (SDpm).

IGNEOUS ROCKS	
Jd	Dolerite (Jd).
BEN LOMOND BATHOLITH	
Dgafw	Fine- to medium-grained, equigranular alkali feldspar granite, with quartz and K-feldspar phenocrysts (Dgafw).
Dgafg	Fine- to medium-grained, variably porphyritic alkali feldspar granite, with quartz and K-feldspar phenocrysts (Dgafg).
Dgafw	Medium- to coarse-grained, equigranular to sparsely porphyritic alkali feldspar granite, with variably abundant K-feldspar phenocrysts (Dgafw). (Dgafw, Dgafg in part - Gipps Creek Granite, S-type).
Dgafp	Fine- to medium-grained, variably porphyritic alkali feldspar granite, with quartz and K-feldspar phenocrysts and surficial pink weathering (Dgafp).
Dgafa	Medium- to coarse-grained, equigranular to sparsely porphyritic alkali feldspar granite, with variably abundant K-feldspar phenocrysts and surficial pink weathering (Dgafa). (Dgafa, Dgafw, Dgafp in part - Ventury Granite, I-type).

— / — / —	Strike and dip of bedding - right way up; overturned; facing unknown.
— / — / —	Strike of vertical bedding - facing known; facing unknown.
+	Horizontal bedding
— / — / —	Generalised paleocurrent direction, showing sense of movement.
— / — / —	Strike and dip of cleavage - relative local age S ₁ ; vertical.
— / — / —	Strike and dip of cleavage - relative local age S ₂ .
— / — / —	Trend and plunge of minor fold hinge line, unspecified relative age.
— / — / —	Trend and plunge of minor fold hinge line, unspecified relative age, with dip and dip direction of axial surface indicated.
— / — / —	Strike and dip of foliation due to alignment of K-feldspar phenocrysts in granitic rock.
— / — / —	Trend of preferred orientation of K-feldspar phenocrysts in granitic rock.
•	Field station for adjacent readings on the map.
•	Notable small outcrop with rock unit indicated.
•	Mineral deposit location - hardrock.
•	Mineral deposit location - alluvial/tailings.
•	Construction material/industrial mineral/igemstone location.



Orange	Highly detailed (eg. more detailed than 1:25 000 scale mapping).
Yellow	Detailed systematic (eg. 1:25 000 map or equivalent detail).
Light yellow	Regional systematic (eg. 1:50 000, 1:63 360 map or equivalent detail).
Lightest yellow	Regional mapping less detailed than 1:63 360 map or equivalent (all other scales).
Blue	Reconnaissance mapping with sparse ground traverses.
Purple	Remote sensing and/or geophysical interpretation with limited or no ground information.

Compiled by M.P. McClenaghan, B.Sc. (Hons), 1994 from the following sources (see source diagram):
A. CALVER, C.R., FINDLAY, R.H. and LENNOX, P.G. 1988. Geological Atlas 1:50 000 Series, Sheet 48 (8414N), Ben Lomond, Tasmania Department of Mines.

— / — / —	Geological contact.
— / — / —	Geological contact - inferred.
— / — / —	Transitional geological contact.
— / — / —	Limit of mapping of sub-unit within undifferentiated rock unit.
— / — / —	Limit of detailed mapping.
FAULTS	
— / — / —	Fault - inferred.
— / — / —	Fault - concealed.
— / — / —	Normal fault (downthrown side indicated).

REFERENCE THIS MAP AS:
MCCLLENAGHAN, M.P. (Compiler) 1994. Digital Geological Atlas 1:25 000 Scale Series. Sheet 5638 Rossarden. Mineral Resources Tasmania.
Base data from the LIST, Copyright State of Tasmania.
Map produced by Spatial Information Services, Mineral Resources Tasmania.
Website: www.mrt.tas.gov.au
GDA94 - MGA Zone 55. Contour Interval: 20 metres.

