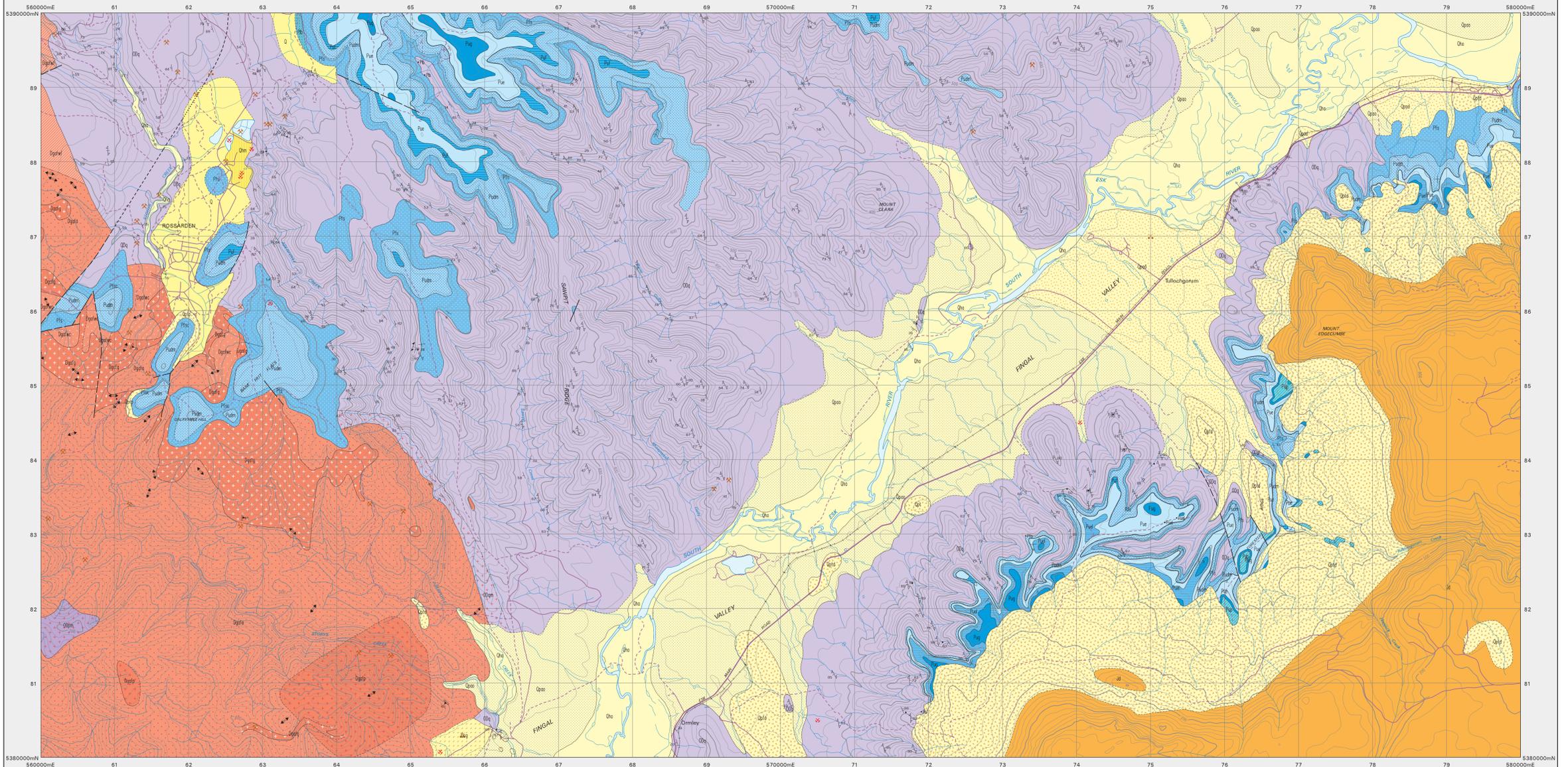


ROSSARDEN

Scale: 1:25 000



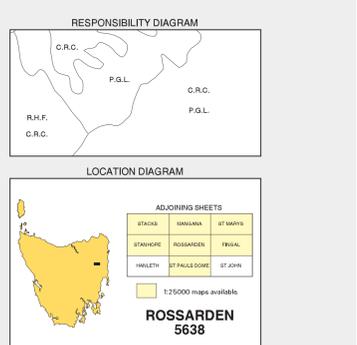
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5380000mN 89 88 87 86 85 84 83 82 81 5380000mN

QUATERNARY	PERMIAN	DEVONIAN
<p>HOLOCENE</p> <ul style="list-style-type: none"> Qhm Undifferentiated deposits (Q) Qha Mine tailings and disturbed ground (Qhm) Qsa Stream alluvium, swamp and marsh deposits (Qha) Qsa Older alluvium of river terrace, predominantly dolerite derived (Qsa) Qsa Older alluvium of river terraces (Qsa) Qsa Collium quartz-granite gravel derived from granitic rocks (Qsa) Qsa Tals (Qsa) Tals of dominantly Lower Permian rocks (Qsa); Tals consisting dominantly of dolerite boulders (Qsa) <p>PERMIAN</p> <ul style="list-style-type: none"> Pup Pebbly sorted grey mudstone, siltstone and rare sandstone, micaceous except for rare lenses (Pup), beds of pebbly sandstone about 1m thick (Pup) (Pup: Prospect Creek Mudstone) Pus Thick-bedded, usually poorly sorted pebbly sandstone passing up into interbedded sandstone, siltstone and mudstone with marine fossils abundant in places (Pus) (Pus: Mastleton Sandstone) Pue Diminutely bioclastic limestone (Pue) (Pue: 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 (Puf) (Puf: Fonthill Sandstone Member) Pum Mudstone, siltstone and minor poorly sorted sandstone, (Lancaster marine fossils (Pum), Pua, Pui, Pua: Castle Carey Mudstone) Pfs Dominantly well-sorted quartz sandstone usually cross-bedded or laminated and commonly with interbedded and laminated carbonaceous shale, lesser conglomerate and rare coal (Pfs); dominantly very coarse-grained arkosic sandstone and granite conglomerate (Pfs) (Pfs: Aberystwyth Formation) Pb Poorly sorted pebbly mudstone, sandstone and minor conglomerate, marine fossils present in places (Pb) (Pb: Strickland Gorge Formation) <p>DEVONIAN</p> <ul style="list-style-type: none"> ODq Quartzite turbidite sequence of interbedded sandstone, siltstone and mudstone with sandstone dominant (ODq), contact metamorphosed by granitic intrusion (ODq); Quartzite turbidite sequence of interbedded sandstone, siltstone and mudstone with significant mudstone contact metamorphosed by granitic intrusion (ODq) 	<p>DEVONIAN</p> <ul style="list-style-type: none"> Dgfa Equigranular, fine- to medium-grained alkali feldspar granite (Dgfa) Dgfa Equigranular to sparsely porphyritic, medium- to coarse-grained alkali feldspar granite, with variable amounts of K-feldspar phenocrysts (Dgfa) Dgfa Porphyritic, fine- to medium-grained alkali feldspar granite with quartz and variable amounts of K-feldspar phenocrysts (Dgfa) Dgfa Porphyritic, fine- to medium-grained alkali feldspar granite / granite with quartz, variable amounts of K-feldspar phenocrysts and surficial pink weathering of K-feldspar (Dgfa) Dgfa Equigranular to sparsely porphyritic, medium- to coarse-grained alkali feldspar granite, with variable amounts of K-feldspar phenocrysts, and surficial pink weathering (Dgfa) 	<p>JURASSIC</p> <ul style="list-style-type: none"> jd Dolerite (jd)

IGNEOUS ROCKS
<p>JURASSIC</p> <ul style="list-style-type: none"> jd Dolerite (jd)
<p>DEVONIAN</p> <ul style="list-style-type: none"> Dgfa Equigranular, fine- to medium-grained alkali feldspar granite (Dgfa) Dgfa Equigranular to sparsely porphyritic, medium- to coarse-grained alkali feldspar granite, with variable amounts of K-feldspar phenocrysts (Dgfa) Dgfa Porphyritic, fine- to medium-grained alkali feldspar granite with quartz and variable amounts of K-feldspar phenocrysts (Dgfa) Dgfa Porphyritic, fine- to medium-grained alkali feldspar granite / granite with quartz, variable amounts of K-feldspar phenocrysts and surficial pink weathering of K-feldspar (Dgfa) Dgfa Equigranular to sparsely porphyritic, medium- to coarse-grained alkali feldspar granite, with variable amounts of K-feldspar phenocrysts, and surficial pink weathering (Dgfa)
<p>LEGEND</p> <ul style="list-style-type: none"> Geological boundary - position approximate Geological boundary - inferred Geological boundary - transitional Fault - position approximate Fault - inferred Fault - concealed Scarp or edge of basal plateau Airphoto insetment

STRUCTURAL FEATURES
<ul style="list-style-type: none"> 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 S2 Strike and dip of cleavage, relative local age S2 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 Notable small outcrop or fault / log occurrence Field station for adjacent readings on the map Mineral deposit location - hardrock Mineral deposit location - alluvial Construction materials location - Data derived from Mineral Resources Tasmania DEPOSITS data base. Data point position has not been verified in every case. Construction materials location - Data derived from Mineral Resources Tasmania DEPOSITS data base. Data point position has not been verified in every case.

Geology based on CALVERT, C.H. EVERARD, J.L. FINLAY, R.H. LEMMON, P.G. 1986. Geological atlas 1:50 000 series, sheet 48 (B414N), Ben Lomond, Department of Mines, Tasmania.
Compiled by M.P. McClellan.



Base data from the LIST, Copyright State of Tasmania.
Map produced by the Data Management Branch of Mineral Resources Tasmania using GIS software.
AID66 - AMG Zone 55. Contour Interval: 20 metres.
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