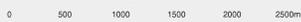
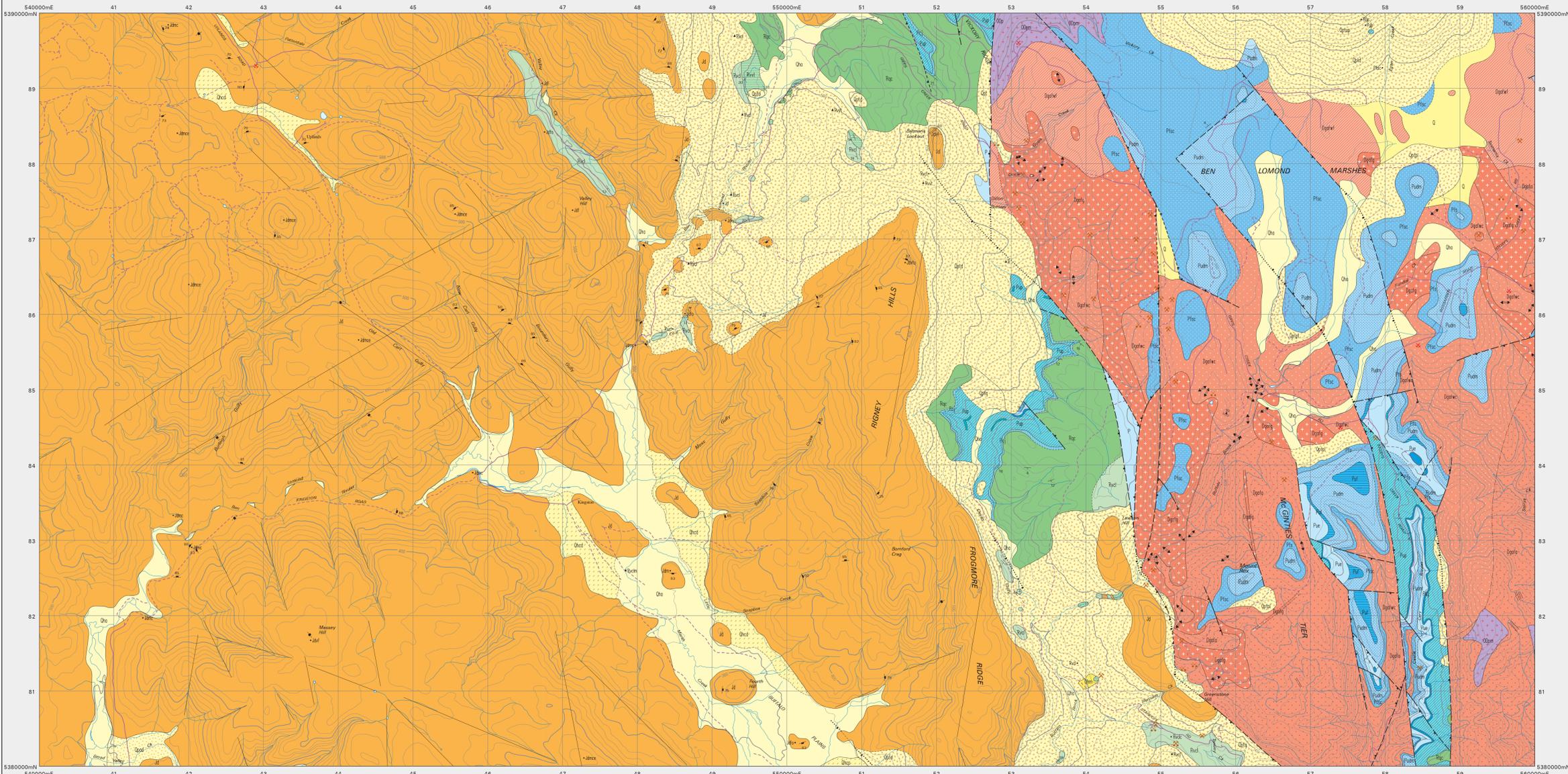


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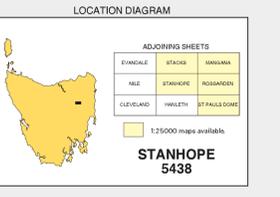
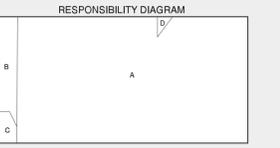
PERIOD	UNIT	DESCRIPTION
CENOZOIC QUATERNARY	Qhm	Mine tailings and man-disturbed ground (Qhm).
	Qha	Stream alluvium and swamp deposits (Qha).
	Q	Colluvium-stony gravel derived from dolerite (Qhc); sand derived from Upper Parmener rocks (Qhs).
CENOZOIC FLIOLENE	Qpoc	Older alluvium of river terraces, predominantly dolerite-derived (Qpoc).
	Qca	Tabular (Qca) - dominance of dolerite boulders (Qpca); of dolerite and subordinate Upper Parmener rocks (Qpca); dominance of Upper Parmener quartz sandstone (Qpca); dominance of Lower Parmener rocks (Qpca); of granitic rocks (Qpca).
MESOZOIC TRIASSIC	R	Dominantly lithic sandstone with minor mudstone and coal (Rvc); with minor pebbly layers and conglomerate composed of extra basaltic clasts (Rvca); dominantly mudstone (Rvca).
	Rvc	Quartz-rich lithic sandstone and minor quartz sandstone (Rvc).
	Rpa	Coarse-bedded quartz sandstone (Rpa).
	Rps	Fine-grained slightly felspathic quartz sandstone, micaceous shale and minor carbonaceous mudstone (correlate of Jackey Formation) (Rps).
	Rpw	Poorly-sorted grey mudstone, siltstone and rare sandstone, unfossiliferous except for rare Tasmanian (Prospect Creek Mudstone) (Pw). Bed of pebbly sandstone about 1m thick (consists of Lower Sandstone) (Pw).
PALEOZOIC PERMIAN	Pue	Thin-bedded, usually poorly sorted, pebbly sandstone passing up into interbedded sandstone, siltstone and mudstone; marine fossils locally abundant (Milestone Sandstone) (Pue).
	Pue	Dominantly bioclastic limestone (Burnt Gully Limestone) (Pue).
	Pue	Marine fossiliferous mudstone, siltstone and minor sandstone and bioclastic limestone (Pue).
PALEOZOIC PERMIAN	Pue	Fine-grained pebbly sandstone with phosphatic nodules; marine fossils present in some areas. Unit about 2m thick (Fossil Sandstone Member) (Pue).
	Pue	Mudstone, siltstone and minor poorly sorted sandstone, with uncommon marine fossils (Pue).
	Pue	Dominantly fine-grained, well-sorted quartz sandstone, commonly with interbedded and interstratified carbonaceous shale, subordinate conglomerate and rare coal (Pue); dominantly very coarse-grained arenaceous sandstone and coarse conglomerate (Pue); (Pue, Ppsc - Aberfoyle formation).
Angular unconformity.		

PERIOD	UNIT	DESCRIPTION
PALEOZOIC EARLY DEVONIAN-TURNING-DEVONIAN	Od	Quartzite turbidite sequence of dominantly mudstone and siltstone (Od); areas contact metamorphosed by granitic intrusions (Odp).
	Odp	
MESOZOIC JURASSIC	Jd	Dolerite (Jd). Grain size and textural features indicated - extremely fine grained (<0.2mm) (Jd); very fine-grained (0.2-0.3mm) (Jd); fine-grained (0.3-1mm) (Jd); medium-grained (1.5-3mm) (Jd); medium-to coarse-grained (3mm); very fine-grained (0.2-0.3mm) and fine-grained (<0.2mm) with orthopyroxene (Jd); and siltstone (Jd); medium- to coarse-grained (>1.5mm) with abundant poorly crystalline mesostase (Jd).
	Jdgr	Equigranular, fine- to medium-grained alkali feldspar granite (Jdgr).
	Jdgr	Equigranular to sparsely porphyritic, medium- to coarse-grained alkali feldspar granite, with variable amounts of K-feldspar phenocrysts (Jdgr).
	Jdgr	Porphyritic fine- to medium-grained alkali feldspar granite, with quartz and K-feldspar phenocrysts (Jdgr).
MESOZOIC LATE DEVONIAN	Jdgr	Equigranular to sparsely porphyritic, medium- to coarse-grained alkali feldspar granite, with variable amounts of K-feldspar phenocrysts, and surficial pink weathering (Jdgr).
	Jdgr	

—	Geological boundary - position accurate or approximate.
- - -	Geological boundary - inferred.
- . - .	Geological boundary - transitional.
- - - - -	Fault (downthrow side indicated) - position accurate or approximate.
- - - - -	Fault (downthrow side indicated) - inferred.
- - - - -	Fault (downthrow side indicated) - concealed.
- . - . - .	Metamorphic boundary - position approximate.
- . - . - .	Aphanite lineament.
(white line)	Limit of mapping of sub-unit within undifferentiated rock unit.

- Strike and dip of bedding, right way up.
- Horizontal bedding.
- Strike and dip of dominant joint set.
- Strike of dominant joint set, vertical.
- 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.
- Trend and plunge of columnar jointing.
- Notable small outcrop with rock unit indicated.
- Notable small float or lag occurrence, with rock type indicated.
- Mineral deposit location - barrock
- Mineral deposit location - olivine
- Construction materials location - Data derived from Mineral Resources Tasmania DEPOSIT data base. Data point position has not been verified in every case.
- Construction materials location - Data derived from Mineral Resources Tasmania DEPOSIT data base. Data point position has not been verified in every case.

Compiled by J.L. Everard, 2006 from the following sources (see responsibility diagram):
A CALVER, C.R., EVERARD, J.L., FINDLAY, R.H. & LEMNOX, P.G. 1988. Geological Atlas 1:50,000 series, sheet 48 (B4140) Ben Lomond. Tasmanian Department of Mines.
B BLAKE, F. 1959. Geological Atlas 1:63,360 series, sheet 76 (B4126) Longford. Tasmanian Department of Mines.
C MATTHEWS, W.L. 1974. Longford Basin Geology (1:50,000 map). Tasmanian Department of Mines.
D J.L. Everard fieldwork 1985.



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ADDB - AMG Zone 55. Contour Interval: 20 metres.
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