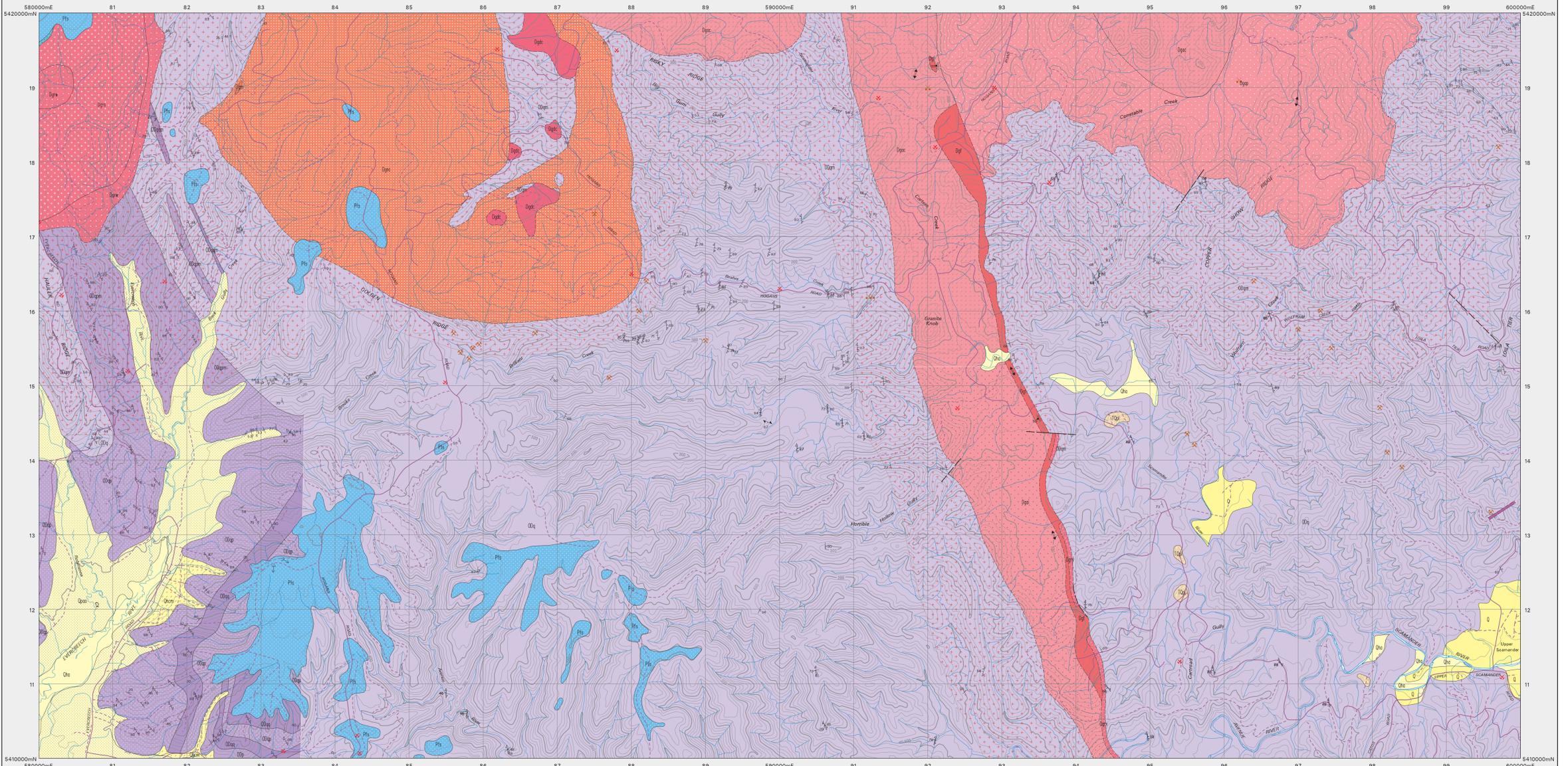


# BRILLIANT

Scale: 1:25 000



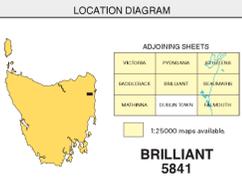
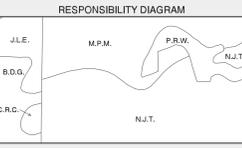
PERIOD	UNIT	DESCRIPTION
QUATERNARY	Holoocene (Qha)	Stream alluvium, swamp and marsh deposits (Qha).
	Pleistocene (Qpl)	Older alluvium of river terraces (Qpl) derived from Mathinna Group (Qplm).
PERMIAN	Pis	Dominantly well-sorted quartz sandstone, usually cross-bedded and commonly with interbedded and interstratified carbonaceous shales, lesser conglomerate and rare coal (Pis).
	Pip	Poorly sorted pebbly mudstone, sandstone and minor conglomerate, marine fossils present in places (Pip).
ORDOVICIAN-? / SILURIAN-EARLY DEVONIAN	ODqp	Quartzite turbidite sequence of interbedded sandstone, siltstone and mudstone with significant mudstone (ODqp) contact metamorphosed by granitic intrusion (ODqpm).
	ODqm	Quartzite turbidite sequence of interbedded sandstone, siltstone and mudstone with sandstone dominated (ODqm) contact metamorphosed by granitic intrusion (ODqpm).
	ODq	Quartzite units dominant in quartzite turbidite sequences of interbedded sandstone, siltstone and mudstone (ODq) contact metamorphosed by granitic intrusion (ODqpm).

PERIOD	UNIT	DESCRIPTION
DEVONIAN (?)	Dd	Dolerite dykes (Dd).
	Dgm	Fine-grained quartz monzonite (Dgm).
	Dgp	Quartz-feldspar porphyry (Dgp).
DEVONIAN	Dgpc	Coarse-grained porphyritic to equigranular biotite, minor muscovite granitoid/diorite (Dgpc).
	Dgpr	Variably porphyritic coarse to fine-grained hornblende granodiorite (Dgpr).
	Dgpc	Generally pink porphyritic to seriate to equigranular coarse-grained biotite-minor muscovite admetallite (Dgpc).
	Dgpc	Porphyritic to seriate to equigranular coarse-grained biotite-minor muscovite admetallite with numerous intrusions of fine to medium-grained pink biotite granite (Dgpc).
	Dgpc	Porphyritic to seriate to equigranular coarse-grained biotite-minor muscovite admetallite with numerous intrusions of fine to medium-grained pink biotite granite (Dgpc).
	Dgpc	Coarse-grained, equigranular to porphyritic (K-feldspar) biotite ± hornblende extensive granodiorite (Dgpc).
	Dgpr	Medium-grained, equigranular to rarely porphyritic (K-feldspar, hornblende-biotite granodiorite, locally with a strong grain foliation. Variable but usually strongly magnetic (susceptibility typically > 0.005 SI) (Dgpr).
	Dgpr	Medium-grained, equigranular to rarely porphyritic (K-feldspar, hornblende-biotite granodiorite, locally with a strong grain foliation. Weakly magnetic (susceptibility < 0.005 SI) (Dgpr).
	Dgpc	Coarse-grained diorite (Dgpc).

LINE STYLE	DESCRIPTION
—	Geological boundary - position approximate
- - -	Metamorphic boundary
- - - -	Fault - position approximate

SYMBOL	DESCRIPTION
↗ ↘	Strike and dip of bedding - right way up; overturned; facing unknown.
↗ ↘	Generalised paleocurrent direction, showing sense of movement.
↗ ↘	Strike and dip of cleavage - relative local age S1 vertical.
↗ ↘	Strike and dip of cleavage - relative local age S2.
↗ ↘	Trend and plunge of chevron fold hinge line of unspecified relative age - with dip and dip direction of axial surface indicated, with vertical axial surface.
↗ ↘	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.
✕	Mineral deposit location - hydroxide. Data derived from Mineral Resources Tasmania DEPOSIT data base. Date point position has not been verified in every case.
✕	Mineral deposit location - alluvial. Data derived from Mineral Resources Tasmania DEPOSIT data base. Date point position has not been verified in every case.
✕	Construction materials location - Data derived from Mineral Resources Tasmania DEPOSIT data base. Date point position has not been verified in every case.

Geology based on:  
MACLENNAN, M.P.; EVERARD, J.L.; GOSCOMBE, B.D.; TURNER, N.J.;  
WILLIAMS, P.C.; CAULFIELD, C.R.  
Geological Atlas 1:25 000 series, sheet 40 (B415); Alberton  
1983 and sheet 41 (B415); St Helens 1987  
Department of Mines, Tasmania.  
Compiled by M. P. MacLennan.



Base data from the LIST, Copyright State of Tasmania.  
Map produced by the Data Management Branch of Mineral Resources Tasmania using GIS software.  
AID64 - AMG Zone 55. Contour Interval: 20 metres.  
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