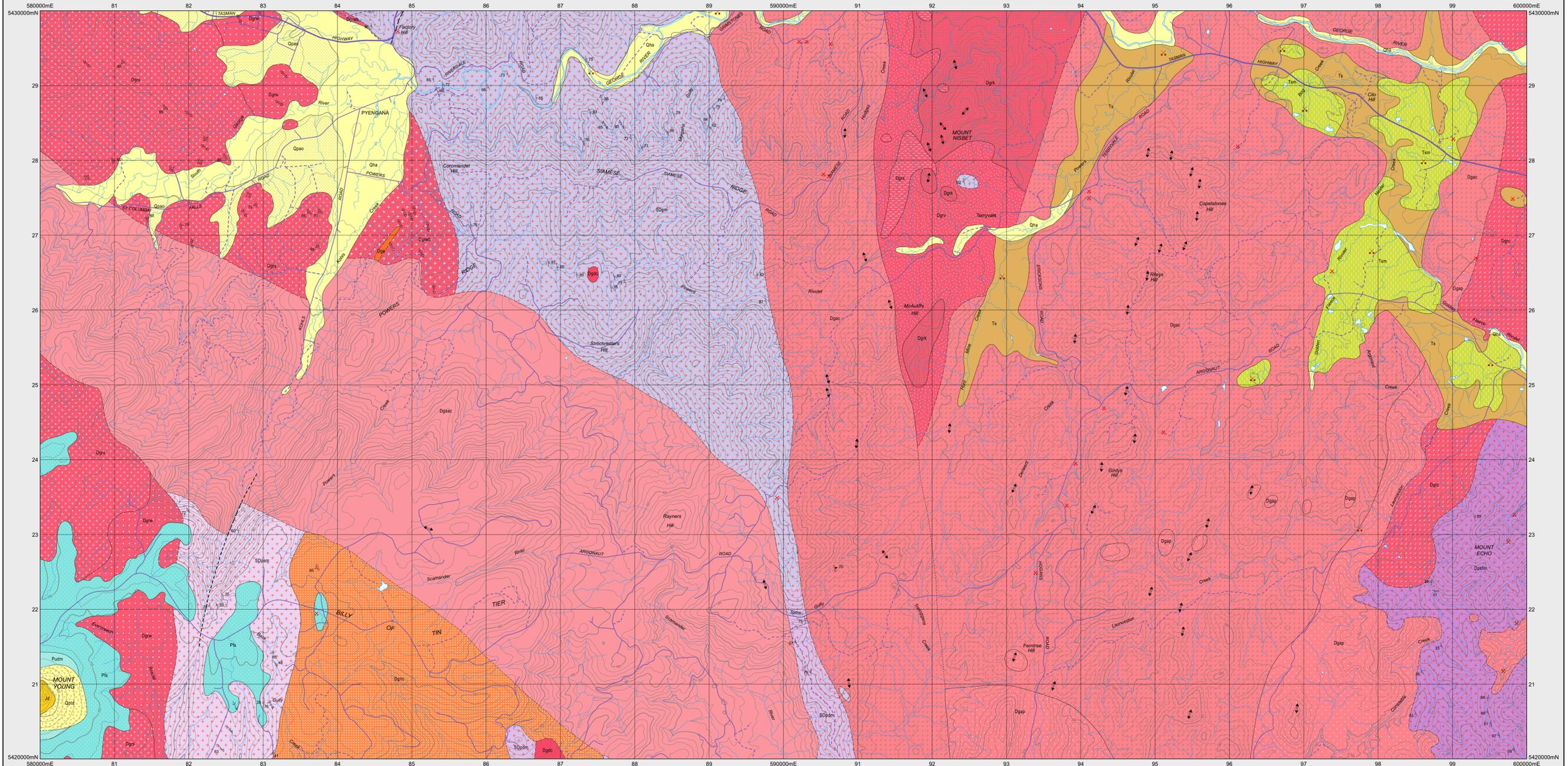


# PYENGANA

Scale 1:25 000



CENOZOIC	
QUATERNARY	<b>Qha</b> Stream alluvium, swamp and marsh deposits (Qha). <b>Qpao</b> Older alluvium of river terraces (Qpao). <b>Qpdt</b> Talus consisting dominantly of dolerite boulders (Qpdt).
NEOGENE	<b>Tsm</b> Gravel, sand, silt, mud and clay disturbed by mining (Tsm). <b>Ts</b> Gravel, sand, silt, mud and clay (Ts).
PERMIAN	<b>Pudm</b> Mudstone siltstone and poorly sorted sandstone. Uncommon marine fossils (Pudm). <b>Pfs</b> Dominantly well sorted quartz sandstone, usually cross-bedded and commonly with interbedded and interaminated carbonaceous shale lesser conglomerate and rare coal (Pfs).
UNCONFORMITY	
DEVONIAN	<b>SDpm</b> Contact-metamorphosed turbidite succession dominated by quartz-rich sandstones with minor siltstone and mudstone. Current related sedimentary structures abundant. Contains Devonian marine macrofossils, graptolites and vascular plant fossils. (Dgpm - Scamander Formation). <b>SDpm</b> Quartzwacke turbidite, sandstone dominant, contact metamorphosed by granitic intrusion undifferentiated Panama Group (SDpm). <b>SDpm</b> Undifferentiated Upper Panama Group sandstone, siltstone, and mudstone, primarily turbidite in origin. Contains late Silurian (late Ludlow) graptolites. Metamorphosed by granitic intrusion (SDpm). <b>SDpm</b> Turbidite succession of fine-grained sandstone and cleaved siltstone, contact metamorphosed by granitic intrusion (SDpm). (SDpm, SDpm, SDpm: Panama Group).
UNCONFORMITY	
JURASSIC	<b>Jd</b> Dolerite (Jd).

PALEOZOIC	
MIDDLE DEVONIAN	<b>Dge</b> Aplitic granite (Dge). <b>Dgac</b> Coarse-grained porphyritic (K-feldspar) to equigranular, biotite-minor muscovite monzogranite (Dgac - Pounamu Granite, I-type). <b>Dgpc</b> Coarse-grained, equigranular to porphyritic (K-feldspar) biotite ± hornblende monzogranite/granodiorite (Dgpc - Halesy New Country Granodiorite, I-type). <b>Dgpc</b> Coarse- to fine-grained, variably porphyritic biotite-hornblende granodiorite (Dgpc). <b>Dgpc</b> Coarse- to fine-grained biotite granodiorite with very abundant large K-feldspar phenocrysts, and minor or no hornblende (Dgpc). (Dgpc, Dgpc, Dgpc - Scamander Tier Granodiorite, I-type). <b>Dgpc</b> Coarse-grained, porphyritic to seriate to equigranular biotite-minor muscovite monzogranite (Dgpc - main phase of Mt Pearson Granite, I-type). <b>Dgap</b> Generally pink, coarse-grained porphyritic to seriate to equigranular biotite-minor muscovite syenogranite/alkali feldspar granite, with abundant minor intrusions of fine-grained pink biotite granite (Dgap - Constables Creek phase of Mt Pearson Granite, I-type). <b>Dgpc</b> Coarse-grained, sparsely porphyritic biotite-hornblende granodiorite (Dgpc - George River Granodiorite, I-type).
LOWER DEVONIAN	<b>Dgpc</b> Medium-grained, equigranular to rarely porphyritic (K-feldspar), hornblende-biotite granodiorite. Locally with a strong gran foliation. Variable but usually strongly magnetic (susceptibility typically 0.002 to 0.008 SI) (Dgpc). <b>Dgpc</b> Medium-grained, equigranular to rarely porphyritic (K-feldspar), hornblende-biotite granodiorite. Locally with a strong gran foliation. Weakly magnetic (susceptibility < 0.0005 SI) (Dgpc). <b>Dgpc</b> Medium- to coarse-grained equigranular to rarely porphyritic (K-feldspar) biotite granodiorite weakly magnetic (susceptibility < 0.0005 SI) (Dgpc). (Dgpc, Dgpc, Dgpc - Pyengana Granodiorite, I-type). <b>Dgpc</b> Coarse-grained diorite, consisting of amphibole, biotite ± plagioclase ± clinopyroxene ± orthopyroxene ± olivine or quartz, occurring with SDpm as possible rhyte in Dgpc (Dgpc - Rogans Road Diorite).

CONTACTS	
—	Geological contact.
- - - - -	Geological contact - inferred.
- - - - -	Unconformable lithological contact.
- - - - -	Igneous intrusive contact.
- - - - -	Limit of mapping of sub-unit within undifferentiated rock unit.

FAULTS	
- - - - -	Fault.
- - - - -	Fault - inferred.

LINEARS	
- - - - -	Internal intrusive boundary within igneous body.
- - - - -	Internal intrusive boundary within igneous body - inferred.

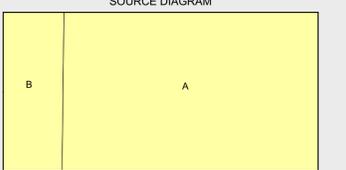
SOURCE DIAGRAM	
—	Highly detailed (eg. more detailed than 1:25 000 scale mapping).
- - - - -	Detailed systematic (eg. 1:25 000 map or equivalent detail).
- - - - -	Regional systematic (eg. 1:50 000, 1:63 360 map or equivalent detail).
- - - - -	Regional mapping less detailed than 1:63 360 map or equivalent (all other scales).
- - - - -	Reconnaissance mapping with sparse ground traverses.
- - - - -	Remote sensing and/or geophysical interpretation with limited or no ground information.

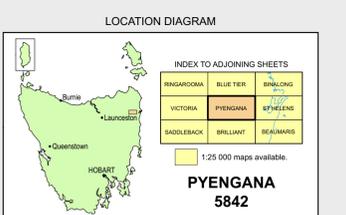
REFERENCE THIS MAP AS:	
McLennaghan, M.P. 1996 (compiler), Digital Geological Atlas 1:25 000 Scale Series, Sheet 5842 Pyengana, Mineral Resources Tasmania.	

LOCATION DIAGRAM		
INDEX TO ADJOINING SHEETS		
BRANDONIA	BLUE TIER	BRANDONIA
VICTORIA	PYENGANA	SEBELENS
SADDLEBACK	BILLIANT	BEALMARNS



Compiled by M.P. McLennaghan, B.Sc. (Hons), Ph.D. 1996 from the following sources (see source diagram):  
A. McLennaghan, M.P., Turner, N.J. and Williams, P.R. 1987. Geological Atlas 1:50 000 Series, Sheet 41 (8155), St. Helens.  
B. McLennaghan, M.P., Everard, J.L.E., Goscombe, B.D., Findlay, R.H. and Calver, C.R. 1993. Geological Atlas 1:50 000 Series, Sheet 40 (84155), Alberton.



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Map produced by Spatial Information Services, Mineral Resources Tasmania.  
Website: www.mrt.tas.gov.au  
GDA94 - MGA Zone 55. Contour interval: 20 metres.

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