

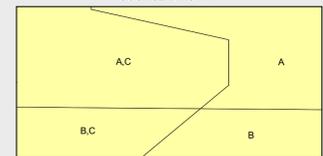
PERMANIAN	PALEOZOIC	PALEOGENE-NEOGENE	QUATERNARY
<p>PIBa Poorly sorted pebbly mudstone, sandstone and minor conglomerate, marine fossils present in places (PIBa). (Correlate of Strickland Gorge Formation)</p>	<p>SDpsa Dominantly medium- to fine-grained turbidite quartz-rich sandstone, with interbedded siltstone, fine vesicular plant fossils (SDpsa). Contact metamorphosed by granitic intrusion (SDpsam).</p> <p>SDpsam Lower sequence of interbedded medium- to fine-grained turbidite quartz-rich sandstone and siltstone (SDpsa) (SDpsa). (SDpsa - possible correlates of Sideling Sandstone).</p> <p>SDpsaq Contact metamorphosed thin-bedded siltstone and minor quartz-rich sandstone (SDpsam) (possible correlate of Lone Star Siltstone).</p>	<p>Qha Stream alluvium, swamp and marsh deposits (Qha).</p> <p>Qhb Basalt derived lag deposit (Qhb).</p> <p>Qpt Undifferentiated talus (Qpt); basalt derived talus (Qptb).</p> <p>Qpc Collicium (Qpc). Collicium derived from Mathinna Supergroup (Qpc).</p> <p>TQd Older boulder deposits consisting of dominantly dolerite. Stratigraphic age uncertain but possibly equivalent to Tbd (TQd).</p> <p>Tb Basalt (Tb), with local occurrences of alkali basalt (Tba), basanite (Tbs); olivine nephelinite (Tbn), nodular basalt (Tbx). Agglomerate and tuff (Tbat).</p> <p>Ts Conglomerate, gravel, sand, silt, mud and clay (Ts). Sub-basaltic boulder deposit with abundant dolerite clasts (Tsb).</p> <p>Tcm Conglomerate with rounded clasts of Mathinna Supergroup and very rare weathered dolerite, often partly cemented by iron oxides (Tcm).</p>	<p>Qhb Basalt derived lag deposit (Qhb).</p> <p>Qpt Undifferentiated talus (Qpt); basalt derived talus (Qptb).</p> <p>Qpc Collicium (Qpc). Collicium derived from Mathinna Supergroup (Qpc).</p> <p>TQd Older boulder deposits consisting of dominantly dolerite. Stratigraphic age uncertain but possibly equivalent to Tbd (TQd).</p> <p>Tb Basalt (Tb), with local occurrences of alkali basalt (Tba), basanite (Tbs); olivine nephelinite (Tbn), nodular basalt (Tbx). Agglomerate and tuff (Tbat).</p> <p>Ts Conglomerate, gravel, sand, silt, mud and clay (Ts). Sub-basaltic boulder deposit with abundant dolerite clasts (Tsb).</p> <p>Tcm Conglomerate with rounded clasts of Mathinna Supergroup and very rare weathered dolerite, often partly cemented by iron oxides (Tcm).</p>

PALEOZOIC	DEVONIAN	DEVONIAN	DEVONIAN
<p>Dgrw Medium-grained, equigranular to rarely porphyritic (K-feldspar), hornblende-biotite granodiorite and subordinate biotite granodiorite. Locally with a strong grain foliation. Weakly magnetic (susceptibility < 0.0005 SI) (Dgrw).</p> <p>Dgrwb Medium-grained, equigranular to rarely porphyritic (K-feldspar) biotite granodiorite. Weakly magnetic (susceptibility < 0.0005 SI) (Dgrwb).</p>	<p>Dgru Medium-grained, equigranular to rarely porphyritic (K-feldspar), hornblende-biotite granodiorite and subordinate biotite granodiorite. Locally with a strong grain foliation. Weakly magnetic (susceptibility < 0.0005 SI) (Dgru).</p> <p>Dgrv Medium-grained, equigranular to rarely porphyritic (K-feldspar), hornblende-biotite granodiorite and subordinate biotite granodiorite. Locally with a strong grain foliation. Weakly magnetic (susceptibility < 0.0005 SI) (Dgrv).</p>	<p>Dgac Coarse-grained porphyritic (K-feldspar) to equigranular biotite-minor muscovite monzogranite (Dgac) (Polina Granite; I-type).</p> <p>Dgalu Dominantly fine- to medium-grained, equigranular to porphyritic (feldspar + quartz) biotite-muscovite alkali feldspar granite (Dgalu) (Mt Paris Granite; S-type).</p>	<p>Dg Aplitic granite (Dg).</p> <p>Dgf Quartz-feldspar porphyry (Dgf).</p>

IGNEOUS ROCKS	MINOR GRANITIC INTRUSIONS	BLUE TIER BATHOLITH
<p>Tb Basalt (Tb), with local occurrences of alkali basalt (Tba), basanite (Tbs); olivine nephelinite (Tbn), nodular basalt (Tbx).</p> <p>Dd Dolerite dyke (Dd).</p>	<p>Dg Aplitic granite (Dg).</p> <p>Dgf Quartz-feldspar porphyry (Dgf).</p>	<p>Dg Aplitic granite (Dg).</p> <p>Dgf Quartz-feldspar porphyry (Dgf).</p>

CONTACTS	FAULTS	LINEARS
<p>Geological contact.</p> <p>Geological contact - inferred.</p> <p>Transitional geological contact.</p> <p>Limit of mapping of sub-unit within undifferentiated rock unit.</p>	<p>Fault.</p> <p>Fault - inferred.</p> <p>Fault - concealed.</p>	<p>Scarp.</p>

Strike and dip of bedding - right way up; facing unknown.
Strike and dip of cleavage of unspecified type and relative age; vertical.
Strike of vertical kink band; sinistral.
Trend and plunge of minor fold hinge line, unspecified relative age.
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.
Strike and dip of foliation due to alignment of hornblende and/or biotite in granitic rock.
Trend of preferred orientation of hornblende and/or biotite in granitic rock.
Strike and dip of dominant joint set.
Strike and dip of dyke or vein with rock or mineral type indicated; vertical.
Field station for adjacent readings on the map.
Notable small outcrop with rock unit indicated.
Notable small float or lag occurrence with rock unit indicated.
Mineral deposit location - handrock.
Mineral deposit location - alluvial/alluvial.
Construction material/industrial mineral/gemstone location.



Compiled by M.P. McLennaghan, B.Sc.(Hons), Ph.D., 1994 from the following sources (see source diagram):

A. BROWN, A.V.; MCLENNAGHAN, M.P.; MOORE, W.R.; TURNER, N.J.; MCLENNAGHAN, J.; WILLIAMS, P.R.; BAILLIE, P.W.; CORRETT, K.D.; CORRETT, E.B.; COX, S.F.; GROVES, D.L.; PIKE, G.P. 1977. Geological Atlas 1:50 000 Series. Sheet 32 (8415N), Ringarooma. Department of Mines, Tasmania.

B. MCLENNAGHAN, M.P.; EVERARD, J.L.; GOSCOMBE, B.D.; FINDLAY, R.H.; CALVER, C.S. 1993. Geological Atlas 1:50 000 Series. Sheet 40 (8415S), Alberton. Department of Mines, Tasmania.

Updated by:

C. M.J. Vicary 2008-2010. Limited geological traverses and interpretation of airborne geophysical data as part of the TasExplore Project.

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MCLENNAGHAN, M.P. and VICARY, M.J. 2010. Digital Geological Atlas 1:25 000 Scale Series, Sheet 5643 Ringarooma. 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
GDSM - MGA Zone 55. Contour Interval: 20 metres.

