

CENOZOIC	
QUATERNARY	Recent landslide talus and debris flows (Qhd).
HOLOCENE	Stream alluvium, swamp and marsh deposits (Qha).
PALEOGENE - NEOGENE	Basalt (Tb); alkali basalt (Tba); basaltic (Tba); basalt inferred from air photogeology and geophysical data (Tba); basaltic (Tba); olivine nephelinitic (Tbn); transitional olivine basalt (Tbr); tholeiitic basalt (Tbt); crystal rich basaltic breccia, conglomerate and sandstone (Tba).
	Interbedded siliceous gravel, quartz sand and clay (Tgs).
	Unconformity.
PALEOZOIC	Fresh-water, thin-bedded cross-bedded fine-grained sandstone, siltstone and carbonaceous shale (Pfa).
	Very coarse-grained quartz sandstone to granule- and pebble-conglomerate (Pfc), (Pfd); (Pfe); (Pfg); (Pfh); (Pfi); (Pfl); (Pfm); (Pfn); (Pfo).
	Grey, poorly bedded siltstone, mudstone and fine-grained sandstone, locally micaceous or pyritic with marine fossils near the top (corals of Inglis Siltstone) (Pgi).
	Interspersed diamictite (including siltite), pebbly mudstone and laminated mudstone (ptychmils), with minor conglomerate and sandstone (corals of Wynyard Tillite) (Ptw).
Angular unconformity.	

MESOPROTEROZOIC-NEOPROTEROZOIC	
Po	Dominantly quartzwacke turbidite (Oronah Formation) (Po).
Pom	Dominantly greyschale and pelitic siltstone/mudstone (possible correlate of upper Oronah Formation) (Pom).
Pm	Quartzite and quartz-mica schist with lesser phyllite (Pmq).
Pmb	Phyllite, pelitic schist and lesser quartz-muscovite schist (Pmp).
Pmc	Muscovite schist with lesser chlorite schist, quartz-mica schist, and phyllite (Pam).
Pmd	Chlorite schist and mica-schist, with lesser quartz-mica schist, and phyllite (Pac).
Pm	Hematite-ilmenite-pyrite gossan of Keith River Gossan Zone (mappable unit within Pacm) (Pacm).
Pacm	Dolomite and magnesite-dolomite (Pacm).
Pac	Dominantly mudstone, phyllite mudstone, siltstone, quartzite, dolomitic sediments and minor quartz-mica schists (Pacm).
Pap	Chloritic schist with minor phyllite, dolomite and magnesite (Pac); phyllite and pelitic schists (Pep) indicated.
Pap	Phyllite with minor pelitic schist, foliated quartzite and dolomite, rare conglomerate (Pep).
Papd	Dolomite and magnesite-dolomite (within unit Pap) (Papd).
Pp	Well bedded, cross-bedded, mostly medium to coarse-grained orthoquartzite (Jacob Quartzite) (Pp).
Ppc	Interbedded, black, dark grey and green, commonly pyritic, laminated siltstone and mudstone, with rare sandstone (Cowie Siltstone) (Ppc).

### IGNEOUS ROCKS

Emd	Undifferentiated dolerite dykes (Emd).
Pmdt	Tholeiitic dolerite dykes (Pmdt).
Pmds	C-rings bearing dolerite dykes (Pmds).
Paa	Amphibolite (Paa).
Paaa	C-rings bearing amphibolite (Paaa).

### CONTACTS

—	Geological contact.
- - - - -	Geological contact - inferred.
- · - · - · -	Geological contact - inferred from magnetic data.
- · - · - · -	Geological contact - inferred from radiometric data.
- · - · - · -	Transitional geological contact.
- · - · - · -	Metamorphic contact.
- · - · - · -	Limit of mapping of sub-unit within undifferentiated rock unit.
- · - · - · -	Limit of detailed mapping.

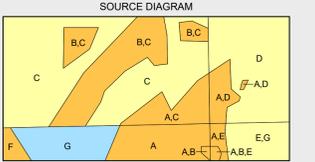
### FAULTS

—	Fault.
- - - - -	Fault - inferred.
- · - · - · -	Fault - concealed.
- · - · - · -	Normal fault (downthrown side indicated).
- · - · - · -	Normal fault (downthrown side indicated) - concealed.

### LINERS

—	Subsurface geological boundary projected to surface.
- · - · - · -	Lineament - visible in magnetic data.
- · - · - · -	Magnetic gradient or lineament (direction towards lower values indicated).

+	Strike and dip of bedding - right way up; horizontal.
+	Strike and dip of bedding, facing unknown - dipping; vertical.
+	Strike and dip of compositional layering.
+	Generalised paleocurrent direction, showing sense of movement.
+	Strike and dip of cleavage of unspecified type and relative age; parallel to bedding, facing unknown.
+	Strike and dip of outcrop-scale fault of unspecified relative age, type unspecified, vertical.
+	Strike and dip of cleavage, dipping, relative local age $S_1$ , $S_2$ , $S_3$ .
+	Strike and dip of metamorphic foliation other than cleavage - dipping; vertical; relative local age $S_1$ .
+	Strike and dip of metamorphic foliation other than cleavage, parallel to bedding, facing unknown; parallel to compositional layering.
+	Strike and dip of outcrop-scale fault of unspecified relative age, type unspecified, vertical.
+	Strike and dip of dominant joint set.
+	Trend and plunge of lineation of unspecified type; crenulation lineation.
+	Trend and plunge of bedding/pinnacled cleavage intersection lineation (L <sub>i</sub> ).
+	Trend and plunge of lineation L <sub>i</sub> formed by intersection of cleavage or foliation of relative local age $S_1$ with older cleavage or foliation.
+	Trend and plunge of minor fold hinge line, unspecified relative age; with dip and dip direction of axial surface; with vertical axial surface.
+	Trend and plunge of minor fold hinge line, unspecified relative age; with dip and dip direction of axial surface; with vertical axial surface.
+	Trend and plunge of minor fold hinge line, unspecified relative age; vergence dextral; symmetrical.
+	Trend and plunge of minor fold hinge line, unspecified relative age; vergence dextral; asymmetrical.
+	Trend and plunge of minor fold hinge line, unspecified relative age; vergence dextral; asymmetrical. Axial surface orientations may be shown as above.
+	Trend and plunge of minor fold hinge line, relative local age $F_1$ , with dip and dip direction of axial surface.
+	Trend and plunge of minor fold hinge line, relative local age $F_2$ , with dip and dip direction of axial surface.
+	Trend and plunge of minor fold hinge line, relative local age $F_3$ , with dip and dip direction of axial surface.
+	Trend and plunge of minor fold hinge line, relative local age $F_4$ , with dip and dip direction of axial surface.
+	Trend and plunge of minor fold hinge line, relative local age $F_5$ , with dip and dip direction of axial surface.
+	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.
+	Macrofossil location.
+	Microfossil location.
+	Mineral deposit location - hardrock.
+	Mineral deposit location - alluvial/alluvial.
+	Construction material/industrial mineral/gastone location.



Compiled by G.V. Cumming, B.Sc.(Hons) and C.J. Jackman, B.Sc.(Hons), 2018 from the following sources (see source diagram):

A. G.V. Cumming, new field mapping 2017.

B. C.J. Jackman, new field mapping 2017.

C. EVERARD, J.L., SEYMOUR, D.B., BRIDGMAN, A.V. and CALVER, C.R. 1996. Geological Atlas 1:50 000 Series, Sheet 28 (8015N), Burnie, Tasmania. Mineral Resources Tasmania.

D. GIBB, R.D., GULLINE, A.B. and BRANCO, A.P. 1967. Geological Atlas 1:63 360 Series, Sheet 28 (8015N), Burnie, Tasmania. Department of Mines.

E. BAILLIE, P.W., WILLIAMS, P.R., SEYMOUR, D.B., LENNOX, P.G. and GREEN, G.R. 1986. Geological Atlas 1:50 000 Series, Sheet 36 (8015S), St. Valentines, Tasmania. Department of Mines.

F. J.L. Everard, new field mapping 2017.

G. J.L. Everard, interpretation of airborne magnetics and radiometrics, 200m line spacing, from the MRT (WTRMP), 2001.

REFERENCE THIS MAP AS:  
CUMMING, G.V. and JACKMAN, C.J. (compilers) 2018. Digital Geological Atlas 1:25 000 Scale Series, Sheet 3643 Keith, 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  
GDA84 - MGA Zone 55. Contour Interval: 20 metres.



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