

PERIOD	UNIT	DESCRIPTION
CENOZOIC QUATERNARY HOLOCENE	Qha	Recent landslide (talus and debris flows) (Qha).
	Qhs	Stream alluvium, swamp and marsh deposits (Qhs).
	Tb	Basalt (Tb); alkali basalt (Tba) basaltite (Tba); olivine nephelinite (Tbn); transitional olivine basalt (Tbo); tholeiitic basalt (Tbt).
	Tbat	Crystal rich basaltic breccia, conglomerate and sandstone (Tbat).
PALEOZOIC NEOGENE PERMIAN	Tgss	Interbedded siliceous gravel, quartz sand and clay (Tgss).
	Unconformity	Unconformity.
	Pfp	Fresh-water, thin-bedded cross-bedded fine-grained sandstone, siltstone and carbonaceous shale (Preveena Coal Measures) (Pfp).
PALEOZOIC CARBONIFEROUS PERMIAN	Pi	Grey, poorly bedded siltstone, mudstone and fine-grained sandstone, locally siliceous (Pip) with minor fossils near the top (correlate of high Silurian) (Pi).
	Pkw	Interbedded dolomitic (including tillite), pebbly mudstone and laminated mudstone (phyllitic) with minor conglomerate and sandstone (correlate of Wuyyord Tillite) (Pkw).
	Angular unconformity	Angular unconformity.

PERIOD	UNIT	DESCRIPTION
MESOZOIC CRETACEOUS CENOMANIAN	Po	Dominantly quartzite turbidite (Dorset Formation) (Po).
	Pom	Dominantly greywacke and pelitic siltstone/mudstone (possible correlate of upper Dorset Formation) (Pom).
	Poq	Quartzite and quartz-mica schist with lesser phyllite (Poq).
	Pomq	Phyllite, pelitic schist and lesser quartz-muscovite schist (Pomq).
	Pomc	Muscovite schist with lesser chlorite schist, quartz-mica schist, and phyllite (Pomc).
	Pomd	Chlorite schist and mica-schist, with lesser quartz-mica schist, and phyllite (Pomd).
	Pomf	Quartz-mica schist with lesser quartzite, phyllite, and rare dolomite (Keith Schist) (Pomf).
	Poid	Dolomite (unit within Pof).
	Pomg	Hematite-ilmenite-pyrite gossan of Keith River Gossan Zone (mappable unit within Pof) (Pomg).
	Pomh	Dolomite and magnetite-dolomite (Pomh).
MESOZOIC CRETACEOUS CENOMANIAN	Pomc	Dominantly mudstone, phyllite, mudstone, siltstone, quartzite, dolomitic sediments and minor quartz-mica schists (Pomc).
	Poc	Chlorite schist with minor phyllite, dolomite and magnetite (Poc); phyllite and pelitic schists (Pocp) indicated.
	Pop	Phyllite with minor pelitic schist, foliated quartzite and dolomite, rare conglomerate (Pop).
	Pofp	Dolomite and magnetite-dolomite (within unit Pof) (Pofp).
MESOZOIC CRETACEOUS CENOMANIAN	Er	Well bedded, cross-bedded, mostly medium to coarse-grained orthoquartzite (Jacob Quartzite) (Er).
	Pr	Interbedded, block, dark grey and green, commonly pyritic, laminated siltstone and mudstone, with rare sandstone (Cowie Siltstone) (Pr).

UNIT	DESCRIPTION
Emd	Undifferentiated dolerite dykes (Emd).
Emdt	Tholeiitic dolerite dykes (Emdt).
Emds	Cr-spinel bearing dolerite dykes (Emds).
Poa	Amphibolite (Poa).
Poas	Cr-spinel bearing amphibolite (Poas).

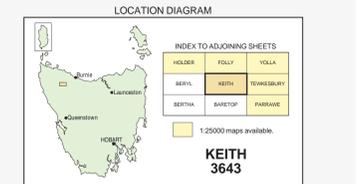
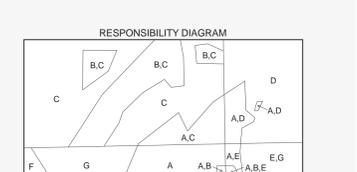
SYMBOL	DESCRIPTION
—	Geological boundary - position accurate or approximate.
- - -	Geological boundary - inferred.
- · - · -	Transitional geological boundary - position approximate.
· - · - ·	Geological boundary - concealed.
- · - · -	Geological boundary - inferred from airborne magnetic data.
- · - · -	Geological boundary - inferred from airborne radiometric data.
- · - · -	Metamorphic boundary - position approximate.
—	Lineament visible in airborne magnetic data.
—	Magnetic gradient or lineament (direction towards lower values indicated).
—	Fault - position accurate or approximate.
—	Normal fault (downtown side indicated) - position accurate or approximate.
—	Normal fault (downtown side indicated) - concealed.
(white line)	Limit of mapping of sub-unit within undifferentiated rock unit.

IGNEOUS ROCKS

SYMBOL	DESCRIPTION
+	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 crenulation cleavage - dipping.
+	Strike and dip of cleavage, dipping, relative local age S1, S2, S3.
+	Strike and dip of metamorphic foliation other than cleavage - dipping, vertical, relative local age S2.
+	Strike and dip of metamorphic foliation other than cleavage, parallel to bedding, facing unknown, parallel to compositional layering.
+	Strike of outcrop-scale fault of unspecified relative age, downturn side indicated; vertical, type unspecified.
+	Strike and dip of dominant joint set.
+	Trend and plunge of lineation of unspecified type; crenulation lineation.
+	Trend and plunge of bedding/primary cleavage intersection lineation (L1).
+	Trend and plunge of lineation L3 formed by intersection of cleavage or foliation of relative local age S3 with older cleavage or foliation.
+	Trend and plunge of minor fold hinge line, unspecified relative age; with dip and dip direction of axial surface; horizontal, symmetrical, recinal minor fold.
+	Trend and plunge of hinge line of downward-facing minor fold, unspecified relative age, vergence, axial surface orientations.
+	Trend and plunge of kin-fold hinge line, sense of displacement unknown; displacement viewed down-plunge; axial surface orientations may be shown as above.
+	Trend and plunge of minor fold hinge line, relative local age F1.
+	Trend and plunge of minor fold hinge line, relative local age F2, with dip and dip direction of axial surface, with vertical axial surface.
+	Trend and plunge of minor fold hinge line, relative local age F2 - vergence, axial surface orientations may be shown as above.
+	Trend and plunge of minor fold hinge line, relative local age F3, with dip and dip direction of axial surface, with vertical axial surface.
+	Trend and plunge of minor fold hinge line, relative local age F4, with dip and dip direction.
+	Trend and plunge of minor fold hinge line, relative local age F5, with dip and dip direction.

SYMBOL	DESCRIPTION
+	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 - hardrock.
+	Mineral deposit location - alluvial/tailings.
+	Construction material/industrial mineral/gemstone location.
+	Macrofossil location.
+	Microfossil location.

Compiled by G.V. Cumming, B.Sc.(Hons) and C.J. Jackman, B.Sc.(Hons), 2018 from the following sources (see Responsibility Diagram):
A. G.V. Cumming, new field mapping 2017.
B. C.J. Jackman, new field mapping 2017.
C. EVERARD, J.L., SEYMOUR, D.B., BROWN, A.V. and CALVER, C.R. 1998. Geological Atlas 1:50,000 Series, Sheet 27 (7915N), Tasmania. Mineral Resources Tasmania.
D. GEE, R.D., GULLINE, A.B. and BRAVO, A.P. 1987. Geological Atlas 1:63,360 Series, Sheet 28 (8015N), Tasmania. Mineral Resources Tasmania.
E. BAILLIE, P.W., WILLIAMS, P.R., SEYMOUR, D.B., LENNOX, P.G. and GREEN, G.R. 1988. Geological Atlas 1:50,000 Series, Sheet 36 (8015S), Tasmania. Mineral Resources Tasmania.
F. J.L. Everard, new field mapping 2017.
G. 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 using G.I.S. software.
Website: www.mrt.tas.gov.au
GD84 - MGA Zone 55. Contour Interval: 20 metres.

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