

CENOZOIC	
QUATERNARY	Qha Stream alluvium, swamp and marsh deposits (Qha).
TERTIARY	Tcc Siliceous pebble to cobble conglomerate (Tcc).
	Tscd Fine to medium grained quartz sandstone with carbonaceous siltstone laminae commonly containing plant stems and leaf impressions (Tscd).
	Tfb Siltstone or ferruginous breccia (Tfb).
LATE CAMBRIAN	Cōms Marine sequences of mudstone, siltstone and sandstone with minor conglomerate. Late Cambrian fossils just south of this map sheet at 53°55'00" S 152°52'00" E (Cōms).
	Cōmsc Dominantly pebble conglomerate (Cōmsc).

PALEOZOIC	
MIDDLE CAMBRIAN	Cdsvs Dominantly interbedded grey mudstone and siltstone with minor conglomerate units. Graded bedding typical. Derivation from metapsiltite and volcanic sources (Cdsvs).
	Cdsvc Conglomerate horizons, typically siliciclastic, poorly sorted (Cdsvc).
	Cdsd Andesitic lavas and breccias, typically felspar-phyric (part of Noody Creek Volcanics) (Cdsd).
	Cdsd' Felsic rhyolitic lavas, typically quartz-felspar-phyric (part of Noody Creek Volcanics) (Cdsd').
	Cdsvr Fine-grained rocks of andesite and rhyolite composition, highly sheared in places (Cdsvr).
	Cdsvu Siltstone, possible tuff or lava containing chlorite, quartz and opaque-sheared volcanic rocks of uncertain affinity (Cdsvu).

CORRELATE OF WESTERN VOLCANIC-SEDIMENTARY SEQUENCE OVERLAP GROUP  
CORRELATE OF NORTHERN VOLCANIC SEQUENCES

PROTEROZOIC	
NEO-PROTEROZOIC	Pdv Mudstone and basaltic lithicwacke sequence (Pdv).
	Pdvb Basalt with minor interbedded basalt breccia, tuffs and sedimentary rocks (Lucas Creek Volcanics) (Pdvb).
	Pdvm Variably calcareous mudstone, siltstone and sandstone (Pdvm).
	Pdvnc Conglomerate horizons (Pdvmc).
	Pdvs Sequences of dolomitic mudstone, siltstone and sandstone (Pdvs). (Possible correlative of Black River Dolomite).
	Eon Metamorphosed interbedded quartzwacke and mudstone/siltstone (Eon).
	Pod Metamorphosed impure dolomite-rich sequences of mudstone, siltstone and sandstone (Pod). (Correlative of Ganah Formation).
	Pt Metamorphosed interbedded orthoquartzite, mudstone/siltstone (Pt).

CORRELATE OF WESTERN VOLCANIC-SEDIMENTARY SEQUENCE OVERLAP GROUP  
CORRELATE OF WESTERN VOLCANIC-SEDIMENTARY SEQUENCE

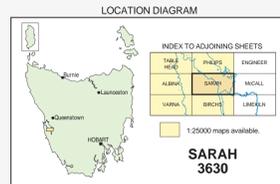
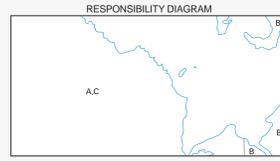
INTRUSIVE ROCKS	
Dip	Lamprophyre dykes and intrusive bodies (Dip).
Cvh	Hematite ± pyrite bodies (Cvh), and hematite veins (Cvhv).
Cds	Andesitic lavas and minor intrusives (Cds).
Cspa	Peridotite with amphibole (Cspa).
Cgd	Gabbro dykes, intrusive bodies and fault-bounded units (Cgd).
Csp	Serpentinised pyroxenite (Csp), including sheared, serpentinite (Csp).
Cl	Quartz-epidote-chlorite rock; possibly tonalite (Cl).

Geological boundary - position accurate or approximate.  
Geological boundary - position inferred.  
Fault - unspecified type, position accurate or approx.  
Fault - unspecified type, inferred.  
Thrust fault - position accurate or approximate, teeth on upper plate.  
Thrust fault - position inferred, teeth on upper plate.  
(white line) Limit of mapping of sub-unit within undifferentiated rock unit.

ALLOCHTHONOUS SEQUENCES	
↗	Strike and dip of bedding, facing known - right way up.
↘	Strike and dip of bedding, facing unknown - dipping vertical.
↖	Strike and dip of cleavage, type and relative age unspecified - dipping vertical.
↗ ↘	Strike and dip of cleavage, relative local age S1; S2; S3.
↗ ↘ ↙	Trend and plunge of hinge line of minor fold, with dip and direction of axial surface indicated.
↗ ↘ ↙ ↕	Trend and plunge of hinge line of minor fold, with dip and direction of axial surface indicated, relative local age F1; F2; F3.
•	Small outcrop or log occurrence.
○	Field station for adjacent readings on the map.
⊗	Mineral deposit location - hardrock
⊙	Mineral deposit location - alluvial

Data derived from Mineral Resources Tasmania DEPOSITS data base. Data point location has not been verified in every case.

Compiled by D.C. Green, B.Sc.(Hons), Ph.D., 2000 from the following sources (see responsibility diagram):  
A. McCLENGHAN, M.P., FINDLAY R.H. 1989. Geological Atlas 1:50 000 Series, Sheet 64 (T125), Macquarie Harbour, Tasmania Department of Mines.  
B. BROWN, A.V., CALVER, C.R., CORBETT, K.D., FORSYTH, S.M., GOSCOMBE, B.A., GREEN, G.R., MCELWAIN, M.P., PEMBERTON, J., SEYMOUR, D.B. (comp.) 1995. Geology of Southwestern Tasmania, Geological Atlas 1:250 000 Digital Series, Tasmania Geological Survey, Mineral Resources Tasmania.  
C. Updated by K.D. Corbett, 2004 as part of the Western Tasmania Regional Minerals Program.



REFERENCE THIS MAP AS:  
GREEN, D.C. (compiler) 2000. Digital Geological Atlas 1:25 000 Series, Sheet 3630 Sarah, Mineral Resources Tasmania.  
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Map produced by the Geoscience Information Branch of Mineral Resources Tasmania using G.I.S. software.  
GDAS4 - MGA Zone 55. Contour Interval: 20 metres.



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