

PHILIPS

Scale: 1:25 000



CENOZOIC	QUATERNARY	Qha	Undifferentiated Quaternary sediments (Q). Stream alluvium, serra and marl deposits (Qha). Gravels formed of well-rounded siliceous clasts in fine silt to coarse sand constituting channelised flood plain and river terrace deposits (Qhc).
	TERTIARY	TQ	Undifferentiated Cainozoic sediments, including bouldery slope and fan deposits (TQa) and possible Tertiary sediments at lower levels (TQ).
CENOZOIC	TERTIARY	Tcc	Undifferentiated Tertiary (T).
		Tcqd	Poorly indurated siliceous pebble to cobble conglomerate horizons containing more than 3% dioritic clasts (Tcqd).
	Tcscb	Siliceous pebble to cobble conglomerate (Tcscb).	
	Tcspc	Fine to medium grained quartz sandstone with carbonaceous siltstone laminae commonly containing plant stems and leaf impressions (Tcspc).	
CENOZOIC	TERTIARY	Tf	Reddish, calcareous sandstone commonly containing plant stems and leaf impressions (Tf).
		Tfb	Siltstone or ferricrete breccia (Tfb).

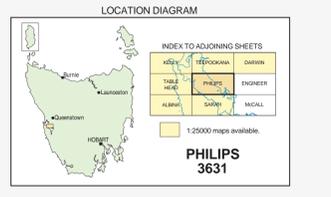
PALEOZOIC	MESOZOIC	CAMBRIAN	COms	Interbedded laminated siltstone, micaceous sandstone, graded gravels and minor siliceous conglomerate (COms).	OWEN GROUP
			COcl	Mostly grey/white to pale pink pebble-cobble conglomerate interbedded with grey sandstone (correlate of Lower Owen conglomerate) (COcl). Angular unconformity.	
PALEOZOIC	MESOZOIC	CAMBRIAN	Cdv	Mainly volcanoclastic conglomerate and sandstone of Upper Tyndal Group (Cdv).	MT READ VOLCANICS
			Cdv	Dominantly felsic volcano-sedimentary rocks, typically quartz-feldspar-phyric (correlate of Yolande River Sequence) (Cdv).	
PROTEROZOIC	MESOZOIC	PROTEROZOIC	Eps	Mudstone and basaltic siltstone sequence (Eps).	CORRELATE OF SIBBICK CREEK FORMATION
			Eps	Basalt with minor interbedded basalt breccias, tuffs and sedimentary rocks (Lucas Creek Volcanics) (Eps).	
PROTEROZOIC	MESOZOIC	PROTEROZOIC	Esdm	Variably calcareous mudstone, siltstone and sandstone (Esdm).	CORRELATE OF SUCCESS CREEK GROUP
			Esdm	Metamorphosed interbedded orthoquartzite and mudstone/siltstone with conglomerate horizons (E).	
PROTEROZOIC	MESOZOIC	PROTEROZOIC	E	Metamorphosed interbedded orthoquartzite and mudstone/siltstone with conglomerate horizons (E).	TYNNAN REGION METASEDIMENTS
			E	Metamorphosed interbedded orthoquartzite and mudstone/siltstone with conglomerate horizons (E).	

PROTEROZOIC	MESOZOIC	CAMBRIAN	Esd	Gabbro dykes, intrusive bodies and fault-bound units (Esd).
			Esd	Gabbro dykes, intrusive bodies and fault-bound units (Esd).

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

- Strike and dip of bedding, facing known - right way up; overturned.
- Strike and dip of bedding, facing unknown - dipping vertical.
- Strike and dip of cleavage of unspecified type and relative age.
- Strike and dip of cleavage, relative local age S1 - dipping vertical.
- Strike and dip of cleavage, relative local age S2.
- Trend and plunge of minor fold hinge line, unspecified relative age, with dip and dip direction of axial surface.
- Trend and plunge of hinge line of minor fold with dip and dip direction of axial surface indicated, relative local age F1, F2, F3.
- Trend and plunge of minor fold hinge line, unspecified relative age, vergence sinistral.
- Generalised palaeocurrent direction - showing sense of movement, polarity unspecified.
- Trend and plunge of palaeocurrent lineation, polarity down plunge.
- Field station for adjacent readings on the map.
- Mineral deposit location - hardrock - Data derived from Mineral Resources Tasmania (MRT) data base. Data point position has not been verified in every case.

Compiled by D.C. Green, B.Sc.(Hons), Ph.D., 2001 from the following sources (see responsibility diagram):
 A MACLENNAN, M.P., FINDLAY, R.H. 1989. Geological Atlas 1:50 000 Series, Sheet 64 (PH15), Macquarie Harbour. Tasmania Department of Mines.
 B BROWN, A.V., CALVER, C.R., CORRETT, K.D., FOREYTH, S.M., GOSCOMBE, B.A., GREEN, G.R., MACLENNAN, M.P., PRIBETTON, J., SEWICK, D.B. (compilation) 1995. Geological Atlas 1:250 000 Digital Series. Geology of Southwest Tasmania. Mineral Resources Tasmania.
 C MATHISON, L.J. 1985. Part of EL 3143 - Clark River area and Bird River area. E2 Co unpublished report (TCR 85-240).
 D Additional information based on airphoto and WTRMP geophysical data by M. Vicky.
 Updated by:
 E K.D. Corbett, 2004 as part of the Western Tasmanian Regional Minerals Program.



REFERENCE THIS MAP AS:
 GREEN, D.C. (compiler) 2001. Digital Geological Atlas 1:25 000 Scale Series, Sheet 3631, Philips. Mineral Resources Tasmania.

Base data from the LIST, Copyright State of Tasmania.
 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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