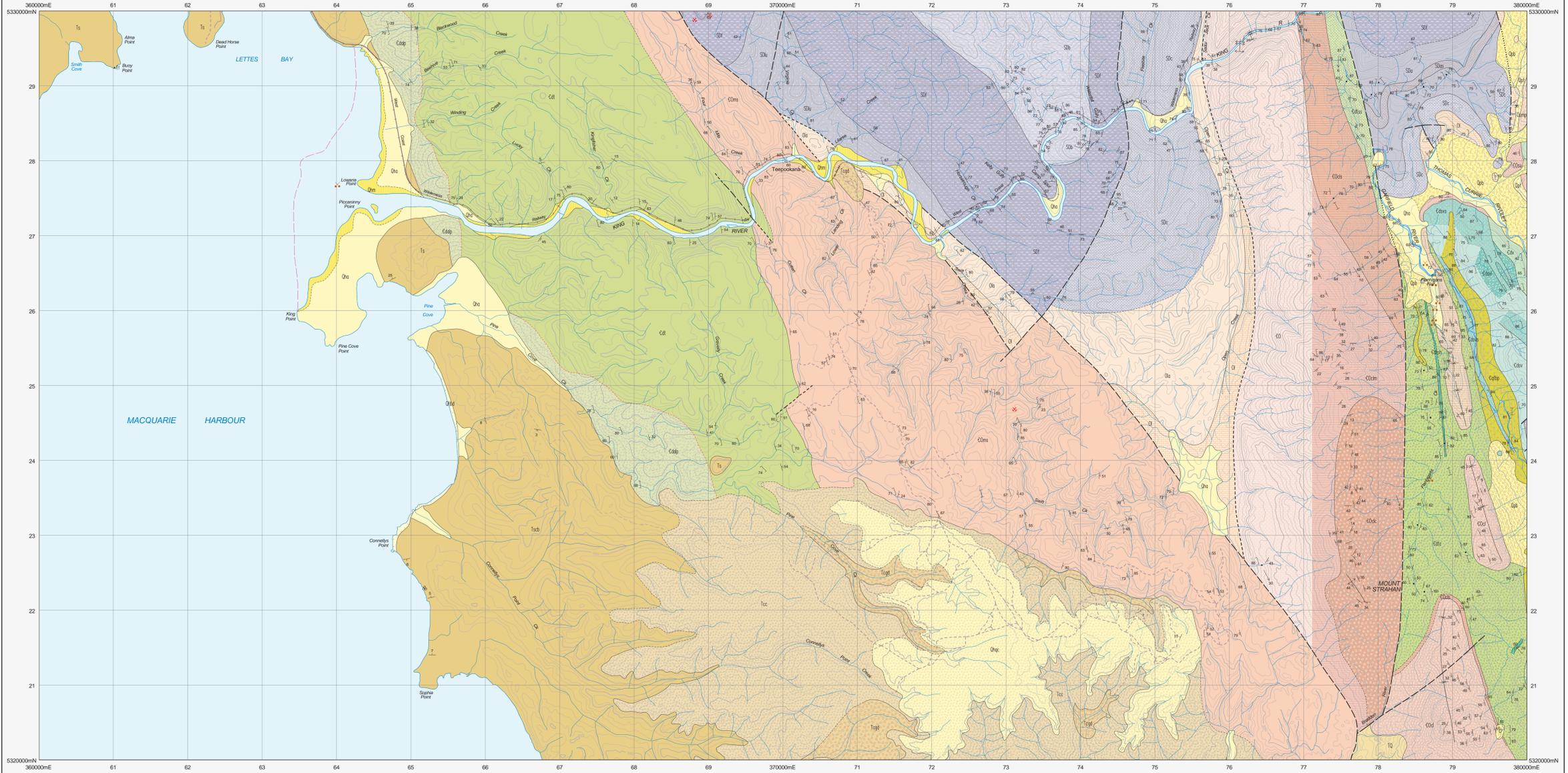


# TEEPOOKANA

Scale: 1:25 000



CENOZOIC	QUATERNARY	
	HOLOCENE	PLISTOCENE
	Qhm	Man-made deposits including mine dumps and disturbed ground (Qhm).
	Qhd	Alluvium, swamp and marsh deposits (Qhd).
	Qhd1	Younger active dune, beach sand and gravel (Qhd1).
	Qhd2	Gravelly formed of well-sorted siliceous clasts in fine silt to coarse sand, constituting channelled flood plain and river terrace deposits (Qhd2).
	Qdp	Talus, scree and colluvial deposits (Qdp).
	Qbc	Bouldery slope and fan deposits, commonly with leveed channels, probably partly of glacial origin (Qbc).
	Qc	Undifferentiated Cainozoic sediments, including talus and bouldery slope and fan deposits (Pleistocene?–Holocene). Possible Tertiary sediments of lower levels (TQ).
	Tcc	Interbedded sandstone, siltstone, clay and conglomerate with lignite horizons (Tc).
	Tcd	Thinly bedded sandstone, siltstone and clay with lignite horizons (Tc).
	Tscb	Siliceous pebble to cobble conglomerate (Tsc).
	Tf	Local occurrence of ferricrete at 360900mE 5329080mN (Tf).
	SDb	Grey or greenish grey interbedded laminated mudstone, siltstone and minor fine-grained quartz sandstone (Dud Shape and correlates) (SDb).
	SDa	Fine-grained quartz sandstone with minor siltstone and mudstone (correlate of Farnham Formation) (SDa).
	SDu	Mainly mudstone and siltstone with minor sandstone and rare limestone (correlate of Amber Formation) (SDu).
	SDc	Unit of fine-grained quartz sandstone indicated (SDc).
	SDi	Mainly coarse- to fine-grained sandstone (commonly decomposed to a friable sand) with an upper sequence of siltstone and fine-grained sandstone in some areas (Crilly Formation and correlates) (SDi).
	Oa	Mainly siltstone and fine-grained sandstone ('Rinodena Shale' and correlates) (Oa).
	Oi	Limestone with some interbedded siltstone in places. Commonly decomposed to black clay 'mud' (Gordon Limestone) (Oi).

PALEOZOIC	ORDOVICIAN	
	LATE CAMBRIAN	ORDOVICIAN
	Damp	Grey to pink quartz sandstone with basal pebble-cobble conglomerate, trace fossils and chromite-rich bands in upper part (Pioneer Beds and correlates) (Damp).
	COms	Thin-bedded quartz sandstone, commonly bioturbated, with interbedded siltstone and minor gravel-pebble conglomerate. Chert clasts in places. Bioturbation common (Lindo Sandstone = 'Lower Dwen' Sandstone) (COms).
	COcm	Interbedded laminated siltstone, micaceous sandstone, graded greywacke, quartzite and minor siliceous conglomerate in the Lower King River area (correlate of Newton Creek Sandstone) (COcm).
	CO	Pebble-cobble to cobble-boulder conglomerate, generally thick bedded to massive, with minor sandstone lenses (Swagwick Conglomerate = 'Lower Dwen' conglomerate) (CO).
	COcm	Mainly thin bedded micaceous sandstone (COcm).
	COcc	Thick bedded to massive cobble-boulder conglomerate (COcc).
	COcs	Green to grey, thin bedded micaceous siltstone and sandstone (COcs).
	Cdt	Mainly volcanoclastic conglomerate and sandstone with minor mudstone and interbedded volcanoclastic sandstone, quartz-rich matrix. Sparse quartzite clasts in places (Cdt).
	Cdts	Mainly thin-bedded siltstone and mudstone with subordinate volcanoclastic sandstone (Cdts).
	Cdss	Mainly well-bedded quartz-feldspar crystal-rich volcanoclastic sandstone with minor siltstone and volcanoclastic conglomerate; graded bedding common (Cdss).
	Cdop	Interbedded andesitic to basaltic lavas/intrusives with some crystal lithic rich volcanoclastic sediments and minor acid volcanics in the Pine Cove Creek area (Cdop).
	Cdv	Dominantly feldspar-phyric volcanic and volcanoclastic rocks, with some andesitic to basaltic volcanics (Cdv).
	Cdsv	Mixed sequence of bedded volcanoclastic sandstone (equally quartz-feldspar-bearing), siltstone, sandstone, mudstone and rhyolite to andesitic lavas and intrusives (Cdv).
	Cdsv	Dominantly greywacke and mudstone with some interbedded vitric tuff, crystal tuff and crystal-lithic tuff (Cdv).
	Cdsv	Mainly quartz-feldspar (+ biotite)-phyric lava (Cdv).

### INTRUSIVE ROCKS

Cutp	Quartz-feldspar-biotite porphyry - mainly intrusive but may be partly extrusive (Cutp).
Cda	Feldspar-hornblende-phyric andesite (Cda).

- Geological boundary - position accurate or approximate.
- Geological boundary - inferred.
- Geological boundary - inferred from airborne magnetic data.
- Lineament visible in airborne radiometric data.
- Fault, position accurate or approximate.
- Fault, position inferred.
- Fault, position concealed.
- Axial surface trace of major antiform.
- Axial surface trace of major synform.
- (White line) Colour boundary.

### MT HEAD VOLCANICS

- Strike and dip of bedding facing known - right way up; overfaced.
- Strike and dip of bedding facing unknown - dipping vertical.
- Strike and dip of igneous banding.
- Strike and dip of cleavage, type and relative age unspecified - dipping vertical.
- Strike and dip of crenulation cleavage.
- Trend and plunge of minor fold hinge line, unspecified relative age, with dip and dip direction of axial surface.
- Trend and plunge of minor fold hinge line, relative local age Ft.
- Field station for adjacent readings on the map.
- Notable small outcrop with rock unit indicated.
- Microfossil locality.
- Mineral deposit location - alluvial.
- Construction materials location.

Compiled by M.J. Vicary, B.Sc. (Hons), 2004 as part of the Western Tasmanian Regional Minerals Program from the following sources (see responsibility diagram):

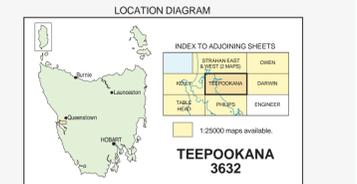
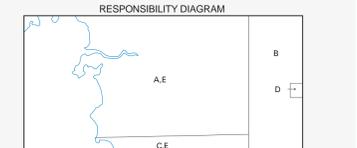
A BAILLIE et al. 1977, Geological Atlas 1:50 000 Series, Sheet 57 (7913), Strahan, Tasmania Department of Mines.

B CORBETT et al. 1993, Mt Read Volcanics Project, Map 13 Geology of the Mt Jukes - Mt Darwin area, Tasmania Department of Mines.

C MACLENNAN, M.P. and FINLAY, R.H. 1989, Geological Atlas 1:50 000 Series, Sheet 64 (7933), Macquarie Harbour, Tasmania Department of Mines.

D HALLEY, B., VICARY, M. and BOYD, D. 1995, Exploration Licences No's 10287, 52689 and 1292 (Queenstown, Mt Darwin and Queenstown South, Annual Report April 1994 - March 1995, RDC, Exploration Pty Ltd, TCR 95-3721.

E Additional information based on airphoto and WTRMP geophysical data interpretation.



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GDAS4 - MGA Zone 55. Contour Interval: 20 metres.

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