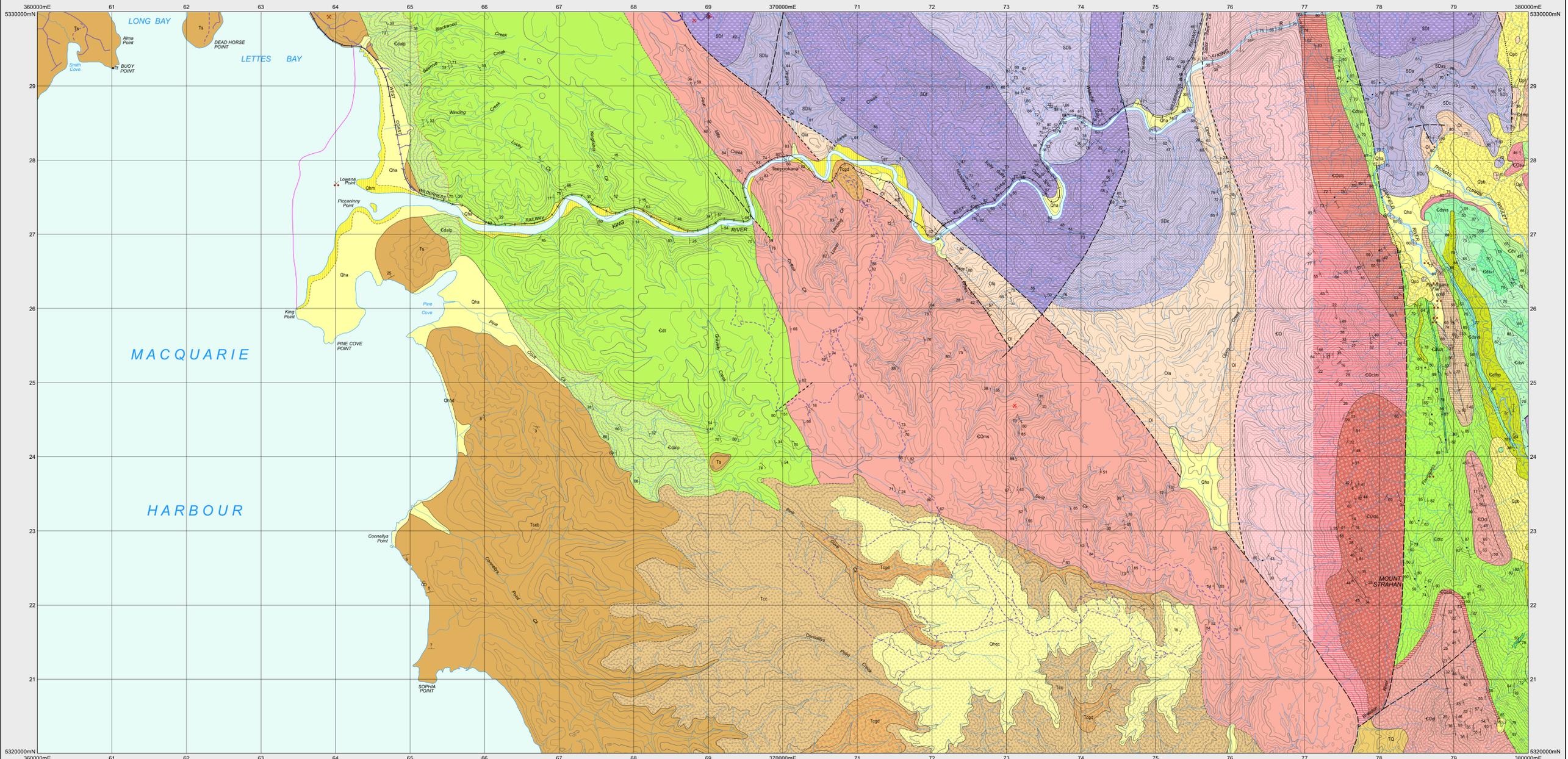


TEEPOOKANA

Scale 1:25 000



CENOZOIC	QUATERNARY	Qhm	Man-made deposits including mine dumps and disturbed ground (Qhm).
		Qha	Alluvium, swamp and marsh deposits (Qha).
		Qhb	Younger active dune, beach sand and gravel (Qhb).
		Qhc	Gravels formed of well-rounded siliceous clasts in fine silt to coarse sand, constituting channelised flood plain and river terrace deposits (Qhc).
		Qhd	Talus, scree and colluvial deposits (Qhd).
	PLEISTOCENE	Qp	Bouldery slope and fan deposits, commonly with leveed channels, probably partly of glacial origin (Qp).
		Qp	Talus, scree and colluvial deposits (Qp).
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		Qp	Talus, scree and colluvial deposits (Qp).
		Qp	Bouldery slope and fan deposits, commonly with leveed channels, probably partly of glacial origin (Qp).
PALEOCENE - NEOGENE	Tg	Undifferentiated Cainozoic sediments, including talus and bouldery slope and fan deposits (Pleistocene? - Holocene). Possible Tertiary sediments at lower levels (Tg).	
	Ts	Interbedded sandstone, siltstone, clay and conglomerate with lignite horizons (Ts).	
PALEOZOIC	DEVONIAN	SDb	Grey or greenish grey interbedded laminated mudstone, siltstone and minor fine-grained quartz sandstone (Bell Shale and correlates) (SDb).
		SDi	Fine-grained quartz sandstone with minor siltstone and mudstone (correlate of Flinders Formation) (SDi).
	ORDOVICIAN	SDa	Undifferentiated sandstone - mudstone-minor limestone sequence (correlates of Crotty and Amber Formations) (SDa).
		SDs	Mainly mudstone and siltstone with minor sandstone and rare limestone (correlate of Amber Formation) (SDs). Unit of fine-grained quartz sandstone indicated (SDas).
		SDc	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 (Crotty Formation and correlates) (SDc).
GORDON GROUP	Ola	Mainly siltstone and fine-grained sandstone ('Rinadeena Shale' and correlates) (Ola).	
	Oi	Limestone with some interbedded siltstone in places. Commonly decomposed to black clay 'pug' (Gordon Limestone) (Oi).	

PALEOZOIC	ORDOVICIAN	Osm	Undifferentiated shallow marine - non-marine siliciclastic conglomerate - sandstone sequence - Owen Group / Gordon Group and correlates (CO). Grey to pink quartz sandstone with basal pebble-cobble conglomerate; trace fossils and chromite-rich bands in upper part (Pioneer Beds and correlates) (Osm).
		COsu	Middle to Upper Owen Group undifferentiated (COsu). Thin-bedded quartz sandstone, commonly dolomitised, with interbedded siltstone and minor granite-pebble conglomerate. Chert clasts in places. Bioturbation common (Lower Sandstone - 'Upper Owen' Sandstone) (COsu).
		COm	Interbedded laminated siltstone, micaceous sandstone, graded greywacke, quartzite and minor siliceous conglomerate in the Lower King River area (correlate of Newton Creek Sandstone) (COm).
		COcl	Pebble-cobble to cobble-boulder conglomerate, generally thick bedded to massive, with minor sandstone lenses (Sedgwick Conglomerate = 'Lower Owen' conglomerate) (COcl).
		COim	Mainly thin bedded micaceous sandstone (COim).
	CAMBRIAN	COc	Thick bedded to massive cobble-boulder conglomerate (COc).
		COcl	Green to grey, thin bedded micaceous siltstone and sandstone (COcl).
		Cdtc	Mainly volcanoclastic conglomerate and sandstone with minor mudstone and interbedded volcanoclastic sandstone. Quartz-rich matrix. Sparse quartzite clasts in places (Cdtc).
		Cdtb	Mainly thin-bedded siltstone and mudstone with subordinate volcanoclastic sandstone (Cdtb).
		Cdtp	Mainly well-bedded quartz-feldspar crystal-rich volcanoclastic sandstone with minor siltstone and volcanoclastic conglomerate; graded bedding common (Cdtp).
WESTERN SEDIMENTARY COMPLEX	Cdv	Dominantly feldspar-phyric volcanic and volcanoclastic rocks, with some andesitic to basaltic volcanics (Cdv).	
	Cdsv	Mixed sequence of bedded volcanoclastic sandstone (usually quartz-feldspar-bearing), siltstone, sandstone, mudstone and rhyolite to andesitic lava and intrusives (Cdsv).	
	Cdsvs	Dominantly greywacke and mudstone with some interbedded vitric tuff, crystal tuff and crystal-litic tuff (Cdsvs).	
MTHREAD VOLCANICS	Cdvi	Mainly quartz-feldspar (+ biotite)-phyric lava (Cdvi).	
	Cdvi	Mainly quartz-feldspar (+ biotite)-phyric lava (Cdvi).	

PALEOZOIC	CAMBRIAN	Caftp	Quartz-feldspar-biotite porphyry - mainly intrusive but may be partly extrusive (Caftp).
		Cdah	Feldspar-hornblende-phyric andesite (Cdah).
CONTACTS			
Geological contact - inferred.			
Geological contact - inferred from magnetic data.			
Limit of mapping of sub-unit within undifferentiated rock unit.			
FAULTS			
Fault - inferred.			
Fault - concealed.			
LINERS			
Axial surface trace of major antiform.			
Axial surface trace of major synform.			
Lineament - visible in radiometric data.			

Strike and dip of bedding facing known - right way up; overturned.	Strike and dip of bedding, facing unknown - dipping; vertical; horizontal.	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 F.	Field station for adjacent readings on the map.	Notable small outcrop with rock unit indicated.	Macrofossil location.	Microfossil location.	Mineral deposit location - hardrock.	Mineral deposit location - alluvial/talings.	Construction material/industrial mineral/gemstone location.
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SOURCE DIAGRAM

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

A BAILEY, P.W., CORBETT, K.D., COX, S.F., CORBETT, E.B., BRAVO, A.P., GEE, R.D., GULLINE, A.B., LEGG, P.J., O'NEIL, G.P., TURNER, N.J., WILLIAMS, P.R., MCCLELLAGHAN, M.P., BROWN, A.V., 1977. Geological atlas 1:50 000 series. Sheet 64 (7135), Macquarie Harbour, Tasmania. Department of Mines.

B CORBETT, K.D., PEMBERTON, J., and VICARY, M.J., 1993. Geology of the Mt. Jukes - Mt. Darwin area. Map 13. Mt Read Volcanic project, Tasmania. Department of Mines.

C MACCLELLAGHAN, M.P. and FINDLAY, R.H., 1989. Geological Atlas 1:50 000 Series. Sheet 64 (7135), Macquarie Harbour, Tasmania. Department of Mines.

D Halley, S., Vicary, M., and Boyd, D., 1998. Exploration Licences No's 10287, 5586 and 1292 (Queenstown, Mt Darwin and Queenstown South). Annual Report April 1994 - March 1998. RDC. Exploration Pty Ltd. TOR 95-372.

E VICARY, M.J., 2005. Additional map compilation and review of existing maps in western Tasmania. Tasmanian Geological Survey Record 2005/05. Mineral Resources Tasmania.

REFERENCE THIS MAP AS:
VICARY, M.J. (compiler) 2004. Digital Geological Atlas 1:25 000 Scale Series, Sheet 3632 Teeпоokana. Mineral Resources Tasmania.

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Map produced by Spatial Information Services, Mineral Resources Tasmania.

Website: www.mrt.tas.gov.au

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

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LOCATION DIAGRAM

INDEX TO ADJOINING SHEETS

STANLEY EAST (SHEET 2 MAP)	OWEN
KELLY	TEEPOOKANA
TABLE HEAD	PHILIPS
	ENGINEER

1:25 000 maps available.

TEEPOOKANA 3632

Map generated: 11-JUN-2024