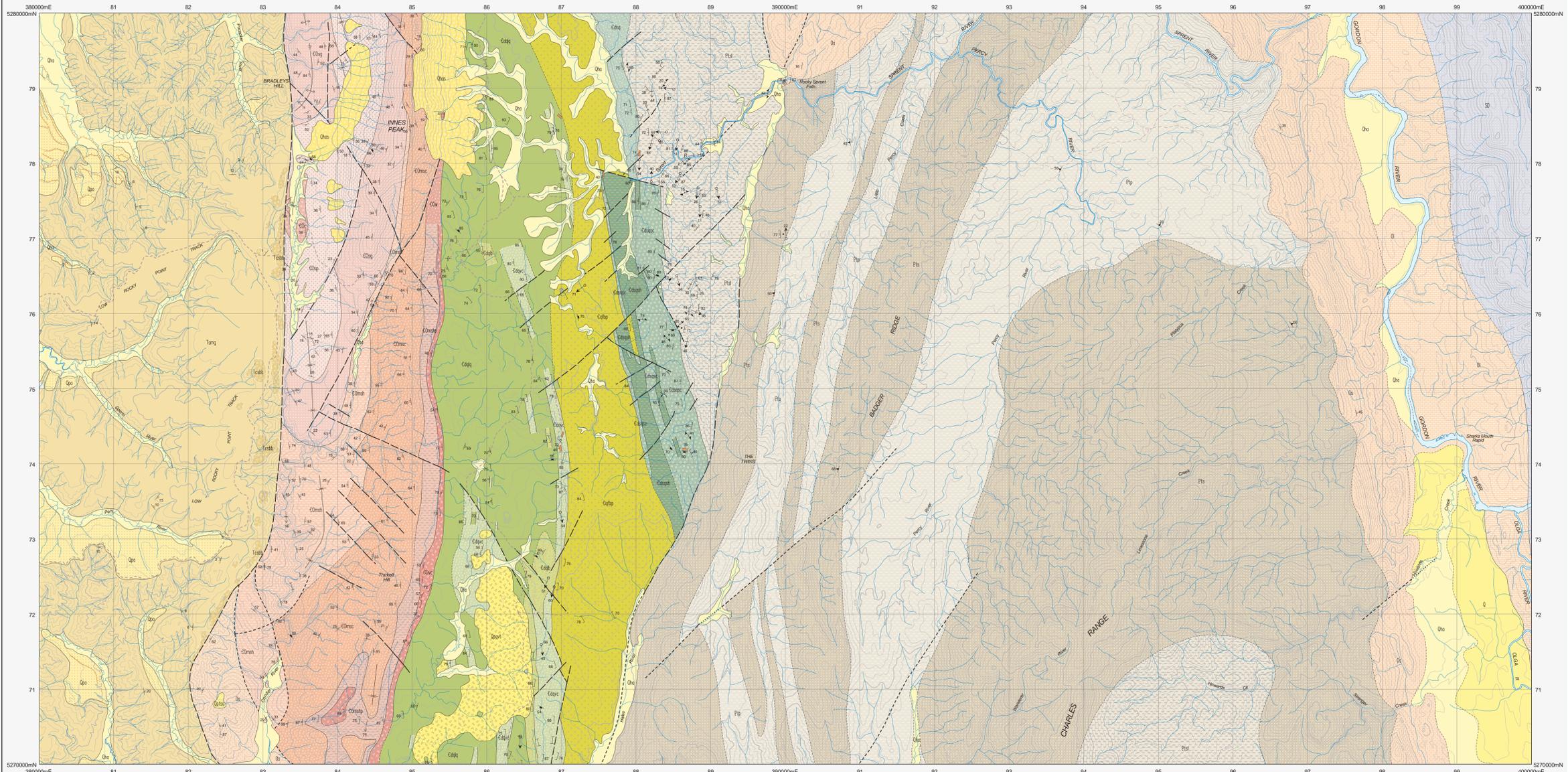


# INNES

Scale: 1:25 000



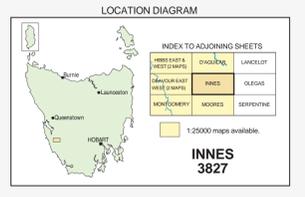
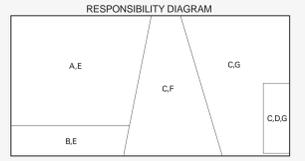
PERIOD	UNIT	DESCRIPTION
CEZOZOIC QUATERNARY	Q	Undifferentiated Quaternary sediments (Q).
	Qha	Stream alluvium, swamp and marsh deposits (Qha).
	Qdsc	Silica-cemented sandstone scree (Qdsc).
	Qpqt	Quartz vein-derived talus and scree (Qpqt).
	Qoa	Older alluvial gravels, mainly on raised terraces developed on Paleogene - Neogene deposits and showing a gradational relationship to younger alluvium (Qoa).
	Qhs	Older alluvial fan deposit associated with steep slopes (Qhs).
	Qts	Erosional Surface.
LATE PALEOGENE - NEOGENE	Tang	Semi-consolidated interbedded sands, pebble-cobble gravels (up to boulder grade in some places), silts and clays; some horizons contain coalified wood and rare timber (Tang).
	Tcab	Coarse bouldery deposits with clasts to 5m. Mostly developed near graben margin, with clasts of local derivation (Tcab).
PALEOZOIC SILURIAN - DEVONIAN	SD	Shallow marine quartz sandstone, siltstone and shale (Eldon Group correlates) (SD).
	OL	Dark grey limestone, dolomite, calcareous mudstone, minor quartz sandstone and black clay weathering products in part fossiliferous (Gordon Group and correlates) (OL).
PALEOZOIC ORDOVICIAN	Os	Thin to grey sandstone and gravel-pebble conglomerate with minor siltstone and calcareous sandstone locally fossiliferous (Ordovician fossils at Rocky Sproet Falls (39002mE, 527002mN) (Os).

PERIOD	UNIT	DESCRIPTION
PALEOZOIC CAMBRIAN	COc	Pebble-cobble conglomerate, pink, thick-bedded to massive (COc).
	COsp	Mainly pink trough cross-bedded sandstone with intercalations of pebble conglomerate (COsp).
	COsg	Grey trough cross-bedded micaceous sandstone with some pebble conglomerate and minor siltstone (COsg).
	COmh	Green to grey, thin-bedded micaceous siltstone and sandstone (COmh).
	COms	Mainly interbedded gravel-pebble conglomerate and sandstone with minor siltstone (COms).
PALEOZOIC CAMBRIAN	COmp	Shale-siltstone unit with basal volcanoclastic conglomerate (COmp).
	COmsb	Mainly black pyritic shale and siltstone (COmsb).
PALEOZOIC CAMBRIAN	COvc	Volcanoclastic conglomerate and sandstone (COvc).
	Cdaq	Dominantly felsic lava and/or intrusives, typically quartz-feldspar-phyric, with minor volcanoclastic rocks (correlate of Clack Range Beds) (Cdaq).
	Edaq	Dominantly felsic volcanoclastic rocks, well bedded to massive (Edaq).
PALEOZOIC CAMBRIAN	Edqb	Quartz-feldspar-biotite-phyric lava and/or intrusive (Edqb).
	Edsa	Siliciclastic sandstone and pebble conglomerate with interbedded siltstone and minor volcanoclastic rocks (correlate of Clack Range Beds) (Edsa).
PALEOZOIC CAMBRIAN	Edsp	Siltstone-sandstone-shale unit, laminated to thickly bedded, partly siliciclastic, partly volcanoclastic (Edsp).
	Edsb	Siliciclastic sandstone and granite-pebble conglomerate, poorly bedded to massive (Edsb).

PERIOD	UNIT	DESCRIPTION
MEDIOPROTEROZOIC	Pts	Dominantly quartzite (Pts).
	Etsp	Platy or schistose micaceous quartzite (Etsp).
	Etpp	Dominantly phyllite (Etpp).
INTRUSIVE ROCKS	qv	Quartz vein (qv).
	Catfp	Quartz-feldspar-biotite porphyry, typically coarse-grained (Catfp).
INTRUSIVE ROCKS	Edab	Quartz-feldspar-biotite-phyric lava and/or intrusive (Edab).

↘ ↙	Strike and dip of bedding - right way up; overturned; facing unknown.
↕	Strike of vertical bedding, facing unknown.
↘ ↙	Strike and dip of cleavage of unspecified type and relative age; vertical.
↘ ↙	Strike and dip of cleavage or foliation, relative local age S1.
↘ ↙	Strike and dip of cleavage or foliation, relative local age S2.
↘ ↙	Strike and dip of cleavage of unspecified type and relative age parallel to bedding, facing unknown.
↘ ↙	Trend and plunge of hinge line of minor fold, unspecified relative age; vertical axial surface.
↘ ↙	Trend and plunge of hinge line of minor fold with vertical axial surface.
↘ ↙	Strike and dip of dominant joint set.
↘ ↙	Strike and dip of metamorphic foliation.
↘ ↙	Strike and dip of ductile shear-band.
↘ ↙	Strike and dip of igneous banding of platy alignment, vertical.
↘ ↙	Trend and plunge of mineral elongation lineation.
⊙	Macrofossil locality.
✂	Mineral deposit location - hardrock.
✂	Mineral deposit location - alluvial/tailings. Data derived from Mineral Resources Tasmania DEPOSIT database. Data point position has not been verified in every case.
✂	Construction material/industrial mineral/gemstone location.

Compiled by R.O. Reid B.Sc. (Hons) and D. Green B.Sc. (Hons), Ph.D. 2000 from the following sources (see responsibility diagram):  
 A BRADBURY, J., PEMBERTON, J., VICARY, M.J. and CORBETT, K.D. 1992. Geology of the Clack Range area. Map 12. Mt Read Volcanic Project. Department of Mines, Tasmania.  
 B VICARY, M.J., PEMBERTON, J., BRADBURY, J. and CORBETT, K.D. 1992. Geology of the Wainwright River - Mowbray Valley area. Mt Read Volcanic Project. Map 11. Department of Mines, Tasmania.  
 C BROWN, A.V. et al. 2005. Southwest Tasmania. Edition 2005.1. Geological Atlas 1:250 000 Digital Series. Mineral Resources Tasmania.  
 D Collins, P.L.F. 1977. Economic potential of the Clack Range Limestone in the Lower Clack Range area. Tech. Rep. Dept. Mines, 2011-36. Department of Mines, Tasmania.  
 Updated by:  
 E K.D. Corbett, 2004 as part of the Western Tasmania Regional Minerals Program.  
 F Air photograph and MTMP geophysical data interpretation by M.J. Vicary, 2004.  
 G Air photograph interpretation by W.D.M. Hall and M.J. Vicary, 2004.



**REFERENCE THIS MAP AS:**  
 Reid, R.O. and Green, D. (compilers). 2006. Digital Geological Atlas 1:25 000 Scale Series. Sheet 3827 Innes. Mineral Resources Tasmania.  
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 Website: www.mrt.tas.gov.au  
 GD84 - MGA Zone 55. Contour Interval: 20 metres.  
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