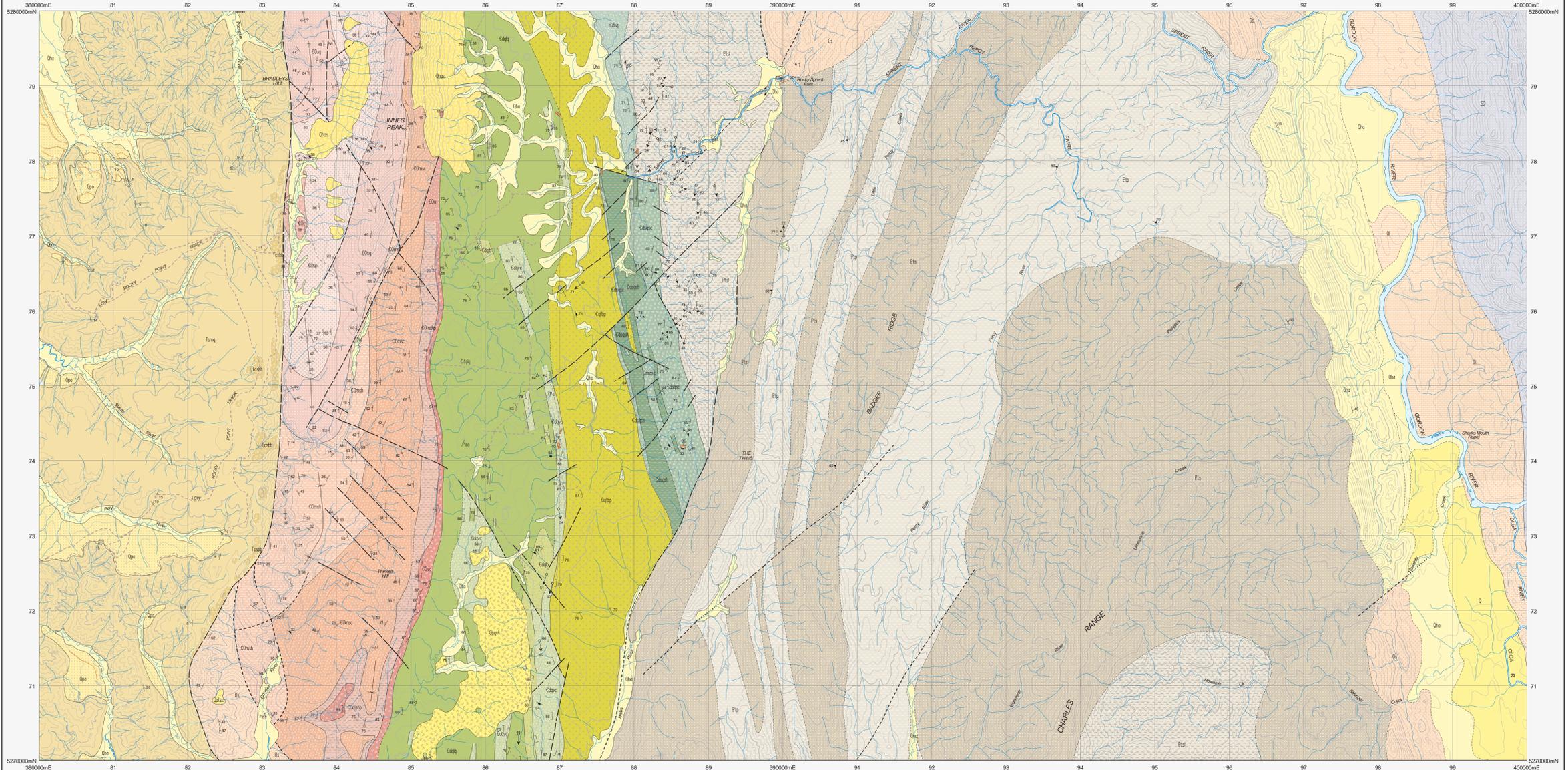


INNES

Scale: 1:25 000



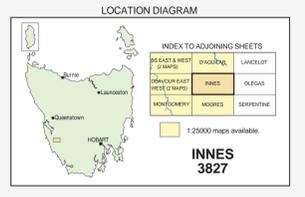
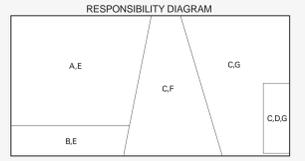
PERIOD	UNIT	DESCRIPTION
CEZOZOIC QUATERNARY	Q	Undifferentiated Quaternary sediments (Q).
	Qha	Stream alluvium, swamp and marsh deposits (Qha).
	Qdsc	Silica-cemented sandstone scree (Qdsc).
	Qpqr	Quartz vein-derived talus and scree (Qpqr).
	Qoa	Older alluvial gravels, mainly on raised terraces developed on Paleogene - Neogene deposits and showing a gradational relationship to younger alluvium (Qoa).
LATE PALEOGENE - NEOGENE	Tang	Semi-consolidated interbedded sands, pebble-cobble gravels (up to boulder grade in some places), silts and clays; some horizons contain fossilised wood and rare amber (Tang).
	Tcab	Coarse bouldery deposits with clasts to 5m. Mostly developed near graben margin, with clasts of local derivation (Tcab).
PALEOZOIC SILURIAN - DEVONIAN	S0	Shallow marine quartz sandstone, siltstone and shale (Eldon Group correlative) (S0).
	Os	Dark grey limestone, dolomite, calcareous mudstone, minor quartz sandstone and black clay weathering products in part fossiliferous (Gordon Group and correlative) (Os).
PALEOZOIC ORDOVICIAN	Od	Thin to grey sandstone and granite-pebble conglomerate with minor siltstone and calcareous sandstone locally bioturbated and fossiliferous (Ordovician fossils at Rocky Sprey Falls (390020mE, 5279000mN)) (Od).

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).
	COag	Grey trough cross-bedded micaceous sandstone with some pebble conglomerate and minor siltstone (COag).
	COmh	Green to grey, thin-bedded micaceous siltstone and sandstone (COmh).
	COms	Mainly interbedded gray-pebble conglomerate and sandstone with minor siltstone (COms).
PALEOZOIC MOUNTAIN CREEK GROUP	COmp	Shale-siltstone unit with basal volcanoclastic conglomerate (COmp).
	COms	Mainly black pyritic shale and siltstone (COms).
PALEOZOIC MOUNTAIN CREEK GROUP	COvc	Volcanoclastic conglomerate and sandstone (COvc).
	COvc	Dominantly felsic lavas and/or intrusives, typically quartz-feldspar-phyric, with minor volcanoclastic rocks (COvc).
PALEOZOIC MOUNTAIN CREEK GROUP	COvc	Dominantly felsic volcanoclastic rocks, well bedded to massive (COvc).
	COvc	Quartz-feldspar-biotite-phyric lava and/or intrusive (COvc).
PALEOZOIC MOUNTAIN CREEK GROUP	COvc	Siliciclastic sandstone and pebble conglomerate with interbedded siltstone and minor volcanoclastic rocks (correlative of Sloci Range Beds) (COvc).
	COvc	Siltstone-sandstone-shale unit, laminated to thickly bedded, partly siliciclastic, partly volcanoclastic (COvc).
PALEOZOIC MOUNTAIN CREEK GROUP	COvc	Siliciclastic sandstone and granite-pebble conglomerate, poorly bedded to massive (COvc).

PERIOD	UNIT	DESCRIPTION
MEDIOPTEROZOIC CAMBRIAN	Pts	Dominantly quartzite (Pts).
	Pts	Platy or schistose micaceous quartzite (Pts).
	Ptp	Dominantly phyllite (Ptp).
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 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 Charles 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. COLVIN, P.L.F. 1977. Economic potential of the Carboniferous in the Lower Gordon River area. Tech. Rep. Dept. Mines, 2011-38. Department of Mines, Tasmania.
Updated by:
E. K.D. Corbett, 2004 as part of the Western Tasmania Regional Minerals Program.
F. Air photograph and WTEMF geophysical data interpretation by M.J. Vicary, 2004.
G. Air photograph interpretation by W.D.M. Hall and M.J. Vicary, 2006.



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.

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.
GDA84 - MGA Zone 55. Contour Interval: 20 metres.

While every care has been taken in the preparation of this data, no warranty is given as to the correctness of the information and no liability is accepted for any statement or opinion or for any error or omission. No reader should act or fail to act on the basis of any material contained herein. Readers should consult professional advisers. As a result the Crown in Right of the State of Tasmania and its employees, contractors and agents expressly disclaim all and any liability (including all liability from or attributable to any negligent or wrongful act or omission) to any persons whatsoever in respect of anything done or omitted to be done by any such person in reliance whether in whole or in part upon any of the material in this data.
Crown copyright reserved.