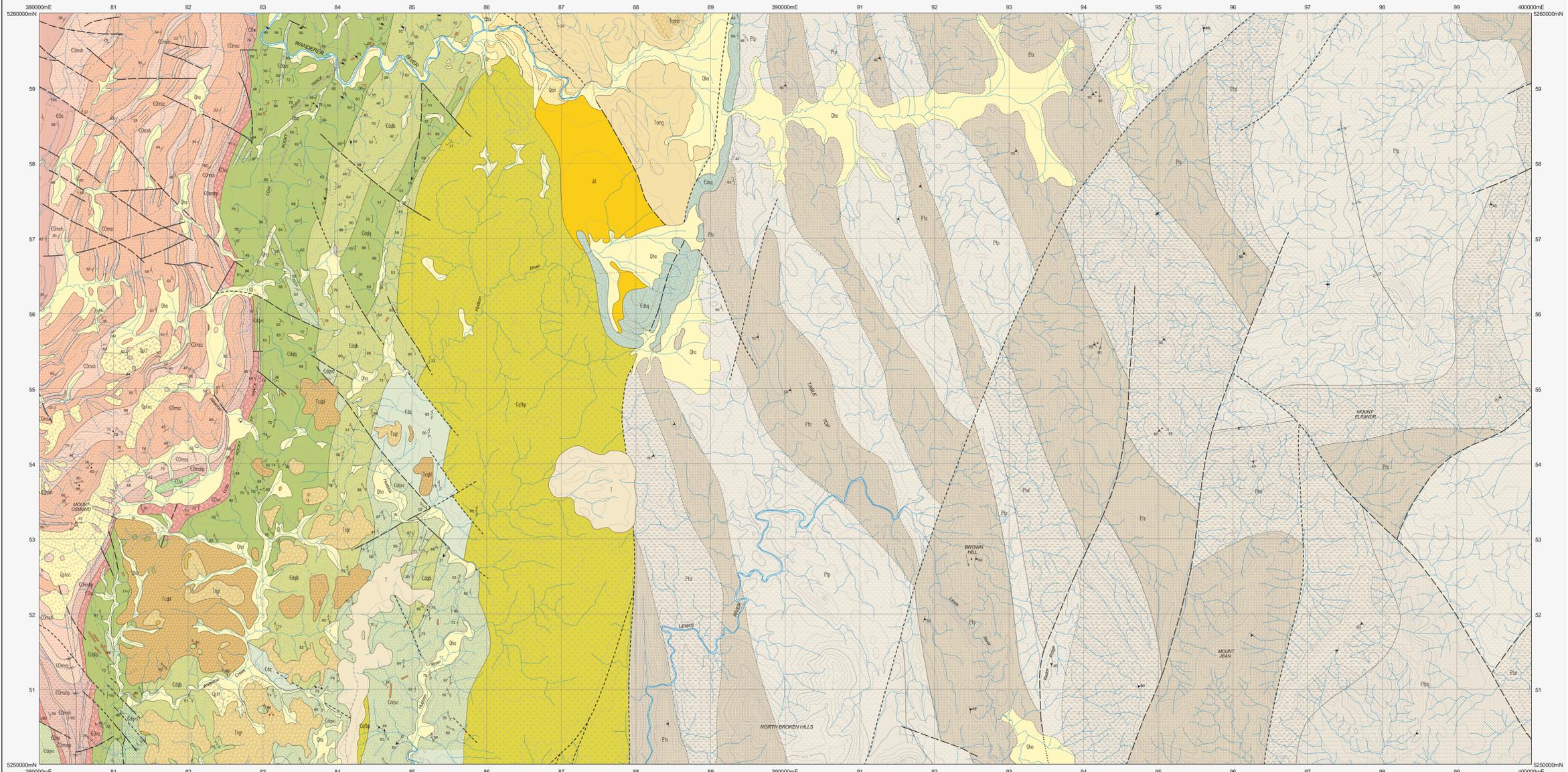


OSMUND

Scale: 1:25 000



CENOZOIC	
QUATERNARY	<p>Qha Stream alluvium, swamp and marsh deposits (Qha).</p> <p>Qpt1 Talus (Qpt1).</p> <p>Qptac Talus derived from Ordovician conglomerate (Qptac).</p> <p>Qpo Older alluvial gravels, mainly on raised terraces developed on Palaeogene - Neogene deposits and showing a gradational relationship to younger alluvium (Qpo).</p> <p>Erosional surface.</p>
LATE PALEOGENE - NEOGENE (T)	<p>T Undifferentiated Palaeogene - Neogene (T).</p> <p>Tsg Rounded gravel, mainly vein quartz (Tsg).</p> <p>Tsmg Silicified gravel deposits (Tsmg).</p> <p>Tcqb Basal lag deposit of mainly subangular vein quartz clasts (Tcqb).</p>

PALEOZOIC	
PERMIAN	<p>COs Sandstone, grey to pink, trough cross-bedded, micaceous, with minor pebbles conglomerate and siltstone (COs).</p> <p>COms Dominantly marling sequence of interbedded sandstone, conglomerate and siltstone (COms).</p> <p>COmnc Mostly interbedded granite-pebble conglomerate and sandstone, with minor siltstone (COmnc).</p> <p>COmhp Green to grey, thin-bedded micaceous siltstone and sandstone (COmhp).</p> <p>COmes Dominantly interbedded sandstone and siltstone (COmes).</p> <p>COmsh Shale-siltstone unit with basal volcanoclastic conglomerate (COmsh).</p> <p>COmshp Mostly black pyritic shale and siltstone (COmshp).</p> <p>COvl Local unit of quartz-feldspar-phyric lava or intrusive (COvl).</p> <p>COvc Volcanoclastic conglomerate and sandstone (COvc).</p> <p>Unconformity.</p>
CAMBRIAN	<p>CDq Mostly felsic volcanoclastic, volcanic and intrusive rocks, typically quartz-feldspar-phyric (CDq).</p> <p>CDqvc Dominantly felsic volcanoclastic rocks, well bedded to massive, includes sandstone, siltstone, minor conglomerate, probable pyroclastic rocks and minor felsic lavas (CDqvc).</p> <p>CDqsp Quartz-feldspar-phyric lava and/or intrusive, commonly spherulitic (CDqsp).</p> <p>CDqspv Felsic volcanoclastic rocks containing significant detrital siltstone (CDqspv).</p> <p>CDqsp Quartz-feldspar-biotite-phyric lava and/or intrusive (CDqsp).</p> <p>CDa Intermediate lava or intrusive (CDa).</p> <p>CDsa Siliceous sandstone and pebble conglomerate with some interbedded siltstone and minor volcanoclastic rocks (correlate of Sturt Range Beds) (CDsa).</p>

MESOPROTEROZOIC	
INTRUSIVE ROCKS	<p>Pts Dominantly quartzite (Pts).</p> <p>Ptsi Porey or schistose micaceous quartzite (Ptsi).</p> <p>Ptp Dominantly phyllite (Ptp).</p> <p>Ptpq Dominantly phyllite and quartz schist (Ptpq).</p>
INTRUSIVE ROCKS	<p>Id Diorite and related rocks (Id).</p> <p>qv Quartz vein (qv).</p> <p>Cafsp Quartz-feldspar-biotite porphyry, coarse-grained (Cafsp).</p>

Geological boundary - position accurate or approximate.	Geological boundary - inferred.
Fault - unspecified type, position accurate or approximate.	Fault - unspecified type, inferred.
Fault - unspecified type, concealed.	Scarp.
Lithological trend line.	Axial surface trace of major fold, antiform.
Axial surface trace of major fold, synform.	Axial surface trace of minor fold, synform.
Limit of mapping of sub-unit within undifferentiated rock unit.	

REFERENCE THIS MAP AS:
Reid, R.O. and Green, D.C. (compilers) 2006. Digital Geological Atlas 1:25 000 Scale Series. Sheet 3825. Osmund. Mineral Resources Tasmania.

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

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Compiled by R.O. Reid, B.Sc.(Hons) and D.C. Green, B.Sc.(Hons), Ph.D. 2000 from the following sources (see responsibility diagram):
A PEMBERTON, J., VICARY, M.J., BRADBURY, J. and CORBETT, K.D. 1991. Geology of the Elton Bay - Mt Osmund area. Map 10. Mt Read Volcanics Project. Department of Mines, Tasmania.
B VICARY, M.J., PEMBERTON, J., BRADBURY, J. and CORBETT, K.D. 1992. Geology of the Waddell River - Moore Valley area. Map 11. Mt Read Volcanics Project. Department of Mines, Tasmania.
C HALL, W.D.M. et al. 1989. Geological Atlas 1:63,000 Rocky Point Geological Map. Broken Hill Proprietary Company Limited. TCR 69, 9556.
Updated by:
D K.D. Corbett 2004 as part of the Western Tasmania Regional Minerals Program.
E Air photograph and WTRMP geophysical data interpretation by M.J. Vicary, 2004.
F Limited traverses by W.D.M. Hall and M.J. Vicary, 2006.
G Air photograph interpretation by W.D.M. Hall and M.J. Vicary, 2006.

