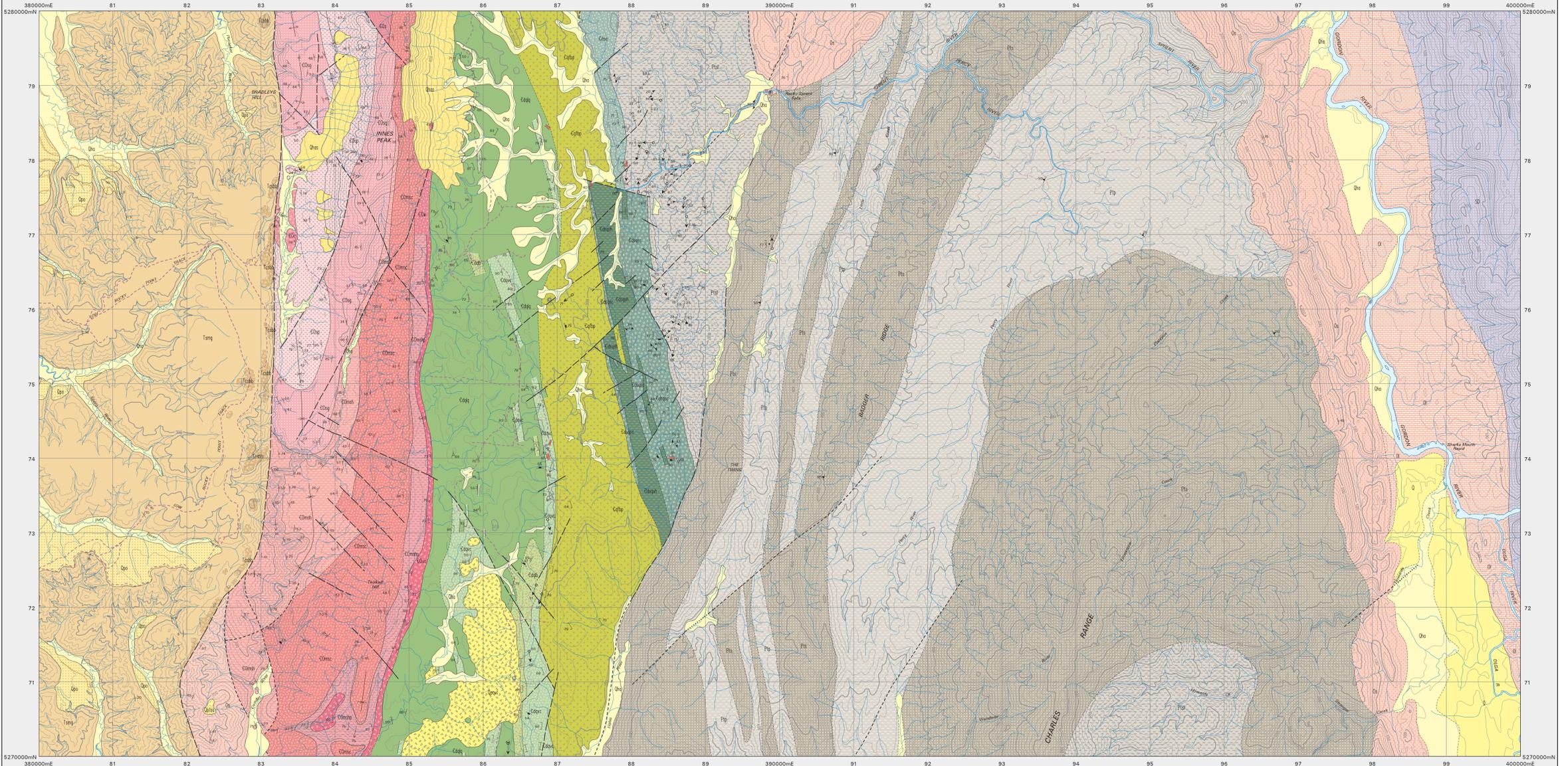


INNES

Scale: 1:25 000



MINERAL RESOURCES TASMANIA
DIGITAL GEOLOGICAL ATLAS 1:25 000 SERIES
INNES, SHEET 3827



CENOZOIC	
QUATERNARY	<p>HOLOCENE</p> <ul style="list-style-type: none"> Q: Undifferentiated Quaternary sediments (Q). Qha: Stream alluvium, swamp and marsh deposits (Qha). Qplac: Siliceo-cemented sandstone scree (Qplac). <p>PLEISTOCENE</p> <ul style="list-style-type: none"> Qspq: Quartz vein-derived talus and scree (Qspq). Qpa: Older alluvial gravels, mainly on raised terraces developed on tertiary deposits and showing a gradational relationship to younger alluvium (Qpa). Qhad: Older alluvial fan deposit associated with steep slopes (Qhad). <p>EARLIER SURFACE</p> <ul style="list-style-type: none"> Tsmg: Semi-consolidated interbedded sands, pebble-cobble gravels (up to boulder grade in some places), silts and clays; some horizons contain classified wood and rare antler (Tsmg). Tsbh: Coarse bouldery deposits with clasts to 5m. Mostly developed near graben margin, with clasts of local derivation (Tsbh).
TERTIARY	<ul style="list-style-type: none"> SD: Shallow marine quartz sandstone, siltstone and shale (Eldon Group correlative) (SD).
PALEOZOIC	<ul style="list-style-type: none"> Ol: Dark grey limestone, dolomite, calcareous mudstone, minor quartz sandstone, and black clay weathering products. In part fossiliferous (Gordon Group and correlates) (Ol). Os: Pink to grey sandstone and granite-pebble conglomerate with minor siltstone and calcareous sandstone locally fossiliferous and fossiliferous Ordovician fossils of Rocky Spent Falls (389900mE, 5378900mN) (Os).

PALEOZOIC	
LATE CAMBRIAN	<ul style="list-style-type: none"> CDc: Pebble-cobble conglomerate, pink, thick-bedded to massive (CDc). CDsp: Mottled pink trough cross-bedded sandstone with intercalations of pebble conglomerate (CDsp). CDag: Grey trough cross-bedded micaceous sandstone with some pebble conglomerate and minor siltstone (CDag). CDms: Green to grey, thin-bedded micaceous siltstone and sandstone (CDms). CDmsp: Mottled interbedded granite-pebble conglomerate and sandstone with minor siltstone (CDmsp). CDmsa: Sandstone-siltstone unit with basal volcanoclastic conglomerate (CDmsa). CDmsp: Mottled black pyritic shale and siltstone (CDmsp). CDvc: Volcanoclastic conglomerate and sandstone (CDvc).
MIDDLE CAMBRIAN	<ul style="list-style-type: none"> CDag: Dominantly felsic lava and/or intrusives, typically quartz-feldspar-phyric, with minor felsic volcanoclastic rocks (CDag). CDagc: Dominantly felsic volcanoclastic rocks, well bedded to massive (CDagc). CDag: Quartz-feldspar-biotite-phyric lava and/or intrusives (CDag).
EARLY CAMBRIAN	<ul style="list-style-type: none"> CDsp: Siliciclastic sandstone and pebble conglomerate with interbedded siltstone and minor volcanoclastic rocks (correlate of Slicht Range beds) (CDsp). CDag: Siltstone-sandstone-shale unit, laminated to thickly bedded, partly siliciclastic, partly volcanoclastic (CDag). CDag: Siliciclastic sandstone and granite-pebble conglomerate, poorly bedded to massive (CDag).

PROTEROZOIC	
MESOPROTEROZOIC	<ul style="list-style-type: none"> Pts: Dominantly quartzite (Pts). Ptsl: Platy or schistose micaceous quartzite (Ptsl). Ptp: Dominantly phyllite (Ptp).
PALEOZOIC	<p>INTRUSIVE ROCKS</p> <ul style="list-style-type: none"> qv: Quartz vein (qv). Cqfhp: Quartz-feldspar-biotite porphyry, typically coarse-grained (Cqfhp). Cdqp: Quartz-feldspar-biotite-phyric lava and/or intrusives (Cdqp).

CORRELATIVE OF OTHER GROUPS	
WATKINS CREEK	<ul style="list-style-type: none"> Geological boundary - position accurate or approximate. Geological boundary - inferred. Fault - unspecified type, position accurate or approximate. Fault - unspecified type, inferred. Scarp. Lithological trend line. Avial surface trace of major fold, antiform. Avial surface trace of major fold, synform. Limit of mapping of sub-unit within undifferentiated rock unit.
TYNEMAN REGION METAMORPHIC BELT	<ul style="list-style-type: none"> 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, vertical axial surface. Trend and plunge of hinge line of minor fold, unspecified relative age, vertical axial surface. Strike and dip of cleavage of unspecified type and relative age, relative local age FL. Strike and dip of axial surface, relative local age 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.
MOUNT READ VOLCANICS	<ul style="list-style-type: none"> Macrofossil locality. Mineral deposit location - hardrock. Data derived from Mineral Resources Tasmania DEPOSITS data base. Dajg point position has not been verified in every case. Mineral deposit location - alluvial. Data derived from Mineral Resources Tasmania DEPOSITS data base. Dajg point position has not been verified in every case. Construction materials location - Data derived from Mineral Resources Tasmania DEPOSITS data base. Dajg point position has not been verified in every case.

Compiled by R.D. Reid and D.C. Green (2006) from the following sources (see Responsibility Diagram):

A. Baskin, J. Pemberton, J. Vicky, M.J. & Corbett, K.D. 1992. Geology of the D'Agulhar Range area. Mt Read Volcanics Project, Map 12.

B. Vicky, M.J., Pemberton, J., Baskin, J. & Corbett, K.D. 1992. Geology of the Wandoo River - Moonee Valley area. Mt Read Volcanics Project, Map 11.

C. Brown, A.J. et al. 2006. South-west Tasmania. Edition 2005.1. Geological Atlas 1:25000 digital series. Mineral Resources Tasmania.

D. Collins, P.L.F. 1977. Economic potential of the Gordon Limestone in the Lower Gordon River area. Tech. Rep. Dept. Mines. 2011-36. Department of Mines, Tasmania.

Updated by:

E. Corbett, K.D. (2004), as part of the Western Tasmania Regional Minerals Program.

F. Air photograph and VTRMP geophysical data interpretation by M.J. Vicky, 2004.

G. Air photograph interpretation by V.D.M. Hall and M.J. Vicky, 2006.

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Reid, R.D.; Green, D.C. 2006 (Compiler). Digital Geological Atlas 1:25000 Series, sheet 3827, Innes, Mineral Resources Tasmania.

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A0064 - AM0 Zone 55. Contour Interval: 20 metres.

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