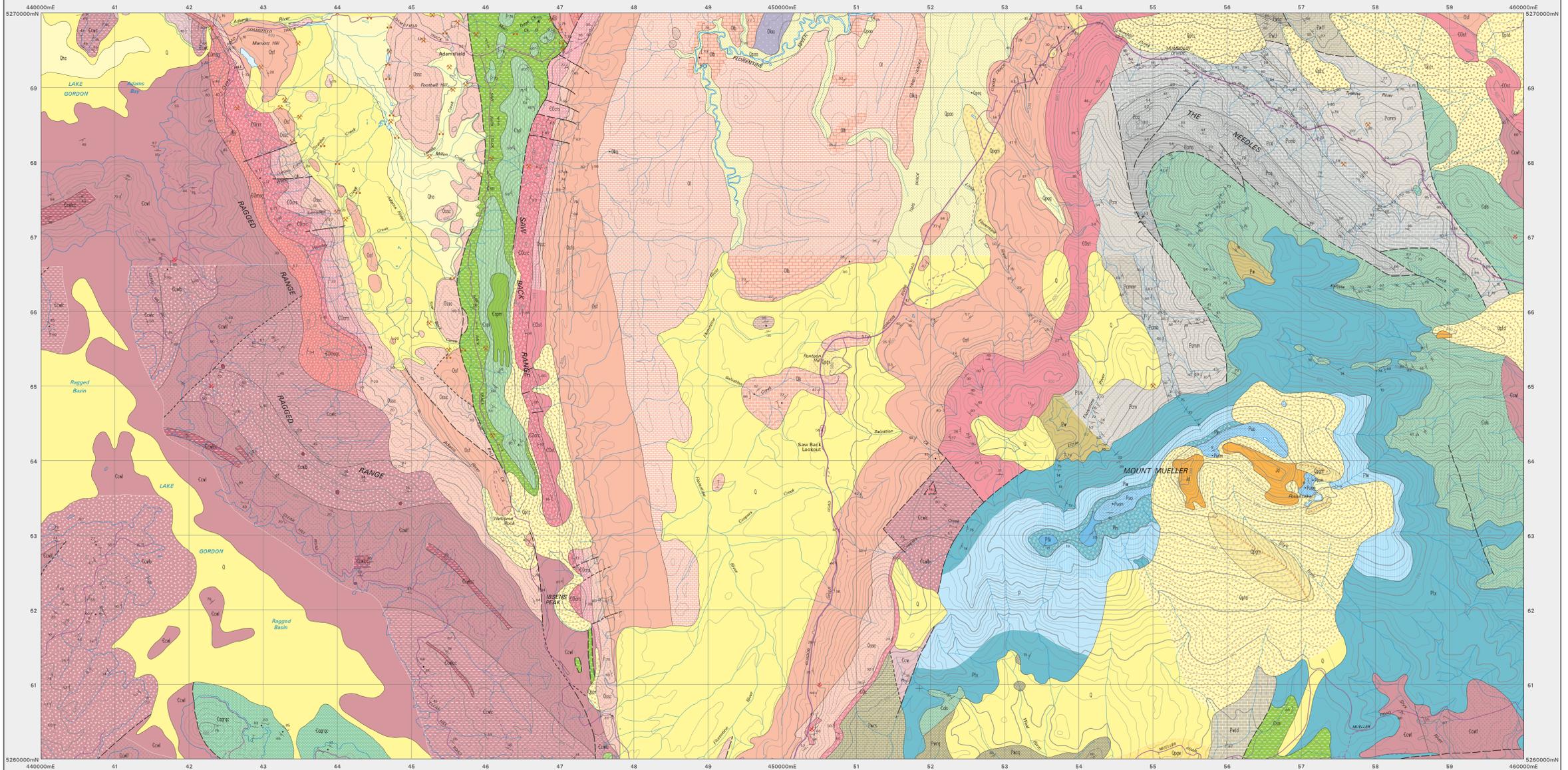
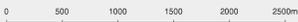


# ADAMSFIELD

Scale: 1:25 000



<p><b>CAMBRIAN</b></p> <p><b>QUATERNARY</b></p> <p>Qha Stream alluvium, swamp and marsh deposits (Qha).</p> <p>Qp1 Talus consisting dominantly of dolerite boulders (Qp1); Proterozoic orthoquartzite (Qp1); siliceous conglomerate (Qp1); quartz sandstone (Qp1).</p> <p>Q Older alluvium of dominantly well-sorted dolerite, quartzite, conglomerate and quartzite cobbles and boulders (Qa); Dominantly quartzite cobbles (Qa).</p> <p>Qpwa Pleistocene glacial and glaciogenic deposits (Qpwa).</p> <p>Qpwb Weathered till (Qpwb).</p> <p>Qpym Mineral and associated deposits (Qpym).</p> <p>Qpvy Steeply-inclined, fluvio-lacustrine deposits of interbedded gravel, sand and clay (Qpvy).</p> <p>Low angle unconformity.</p> <p><b>PERMIAN</b></p> <p>Puo Pebbly fossiliferous marine sandstone, siltstone and mudstone (Undifferentiated Upper Glosianine Sequence) (Puo). Locally thermally metamorphosed by Jurassic dolerite (PuoM).</p> <p>Ppk Freshwater or paralic, cross-bedded to laminated feldspathic sandstone and micaceous carbonaceous siltstone with fossiliferous pebbles (correlate in part of Foulmer Group) (Ppk).</p> <p>Pp Uniformly to finely fossiliferous marine siltstone, mudstone, sandstone and impure limestone with lenticles (Correlate of Baddley Formation) (Pp).</p> <p>PpL Uniform, poorly dark grey marine mudstone and siltstone with sparse glauconites, fossils, lenticles and graptolite nodules (Correlate of Hopley Limestone) (PpL).</p> <p>Ppk Dark grey dominantly pebbly dolomitic with sparse fragmentary marine fossils, mudstone and siltstone, upper unit of interbedded, pebbly to boulder grade conglomerate, dolomitic and sandstone with some shell fossils (Correlate of Truro Limestone) (Ppk).</p> <p>Angular unconformity.</p> <p><b>TRIASSIC</b></p> <p>Tria Interbedded sandstone and mudstone (Ardell Sandstone) (Tria).</p> <p>Tria Dolomitic, micritic limestone (Benjamin Limestone) (Tria).</p> <p>Tria Oncolitic calcarenite (Cashiers Creek Limestone) (Tria).</p> <p>Tria Marlic limestone, usually with chert nodules (Karraburg Limestone) (Tria).</p> <p>Tria Limestone with chert layers, indicated by Quaternary lag of chert fragments (Tria).</p> <p>Siltstone and calcareous shale (Dsf); quartz sandstone horizons (Dsf).</p> <p>Quartz sandstone and chert-clast conglomerate (Tim Sheo Sandstone) (Cds); Upper marine shallow-water quartz sandstone with abundant worm casts, minor basal conglomerate against older basement (Cds); Undifferentiated cobble conglomerate (Cds); Interbedded cross-bedded quartz sandstone, pebbly sandstone and siliceous well-sorted pebble conglomerate (Cds); Terrestrial shallow-water thickly-bedded siliceous-cobble conglomerate (Cds); Interbedded pebble-cobble conglomerate, sandstone and fossiliferous siltstone (Cds); Lower marine shallow-water quartz sandstone with worm casts, minor basal conglomerate (Cds); (Cds) = Great Dome Sandstone).</p> <p>Siliceous turbiditic quartzite, calcareous and micaceous sandstone and siltstone, with minor conglomerate, limestone and quartzite; Lots Cambrian (Isaean) fossils present (Langley Creek Formation and Corrales) (Cds); Angular unconformity.</p>	<p><b>PALEOZOIC</b></p> <p><b>TRIASSIC</b></p> <p>Tria Interbedded chert, lithic sandstone, siltstone and pyritic mudstone (Cwa).</p> <p>Micaceous lithic sandstone of metamorphic and volcanic provenance, mudstone, red mudstone and minor chert (Cwa); Scattered ultramafic outcrops within unit (Cwa); Feldspathic wacke with common, very-coarse grains of muscovite and grains of garnet and biotite, interlayered with grey-green mudstone and minor feldspathic wacke, red mudstone, chert and fine-grained, basic igneous rock (Cwa); Feldspathic wacke with common chert interlayers (Cwa); Some chert layers indicated (Cwa); Predominantly interlayered red mudstone, chert, basaltic tuff and basalt. Small dolerite bodies present (Cwa); Dominantly banded chert (Cwa); Possible diastolite of white quartz arenite and chert bearing pebbly quartz arenite (Cwa); Angular unconformity.</p> <p><b>PERMIAN</b></p> <p>Pw Massive, fine-grained dolomite with dolomitic, tabular sandstone, mudstone and chert (Pw); where interbedded with quartz sandstone (Pw); Dominantly massive, fine-grained dolomite (Pw); Dominantly bedded oolitic dolostone (Pw); Dominantly fine-grained dolomite (Pw); Low angle unconformity.</p> <p><b>TRIASSIC</b></p> <p>Tria Dominantly mudstone and quartz siltstone (Tria); Massive red mudstone (Tria); Orthoquartzite, as thin (&lt;30m) impersistent units in dominantly mudstone sequence (Tria); Dominantly dolomitic mudstone and siltstone, with minor dolomite and limestone (Tria); Black micaceous shale and siltstone with occasional dolomite beds (Tria); Orthoquartzite (including Needles Quartzite and correlates) (Tria); Interbedded quartz siltstone and red and green mudstone (Tria).</p>	<p><b>MESOZOIC</b></p> <p><b>JURASSIC</b></p> <p>Jd Dolerite (Jd).</p> <p><b>CAMBRIAN</b></p> <p>Cm Massive orthopyroxene (Cm).</p> <p>Cm Dominantly layered pyroxene and augite (Cm).</p> <p>Cm Massive serpentinite (Cm).</p> <p>Cm Serpentinite with amphibole (Cm).</p>	<p><b>Geological boundary - position accurate or approximate</b></p> <p><b>Geological boundary - inferred</b></p> <p><b>Fault - position accurate or approximate</b></p> <p><b>Fault - inferred</b></p> <p><b>Fault - concealed</b></p> <p><b>Limit of mapping of sub-unit within undifferentiated rock unit (Colour boundary)</b></p> <p><b>Strike and dip of bedding, right way up, overturned.</b></p> <p><b>Strike and dip of bedding, facing unknown - dipping vertical.</b></p> <p><b>Horizontal bedding.</b></p> <p><b>Strike and dip of primary igneous banding or platy alignment.</b></p> <p><b>Strike and dip of cleavage, type and relative age unspecified - dipping vertical.</b></p> <p><b>Strike of vertical cleavage, relative local age S1.</b></p> <p><b>Strike and dip of cleavage, relative local age S2.</b></p> <p><b>Trend and plunge of minor fold hinge line, unspecified relative age, with dip and dip direction of axial surface.</b></p> <p><b>Trend and plunge of minor fold hinge line, relative local age F1 with dip and dip direction of axial surface.</b></p> <p><b>Glacial stria, showing sense of movement.</b></p> <p><b>Trend and plunge of mineral elongation lineation.</b></p> <p><b>Macrocass locality.</b></p> <p><b>Mineral deposit location - hardrock</b> Data derived from Mineral Resources Tasmania (MRT) 1:50,000 scale. Data point position has not been verified in every case.</p> <p><b>Mineral deposit location - alluvial</b></p> <p><b>Construction materials location -</b> Data derived from Mineral Resources Tasmania (MRT) 1:50,000 scale. Data point position has not been verified in every case.</p>	<p>Compiled by M.P. McClellan, 2004 from the following sources (see Responsibility Diagram):</p> <p>(A) Turner, N.J., Calver, C.R., McClellan, M.P., McClellan, J., Brown, A.V., Larnock, P.J., 1985. Geological Atlas 1:50,000 Series, sheet 80 (1:15). Hobart.</p> <p>(B) Brown, A.V., McClellan, M.P., Turner, N.J., Butler, P.A., McClellan, J., Larnock, P.J., Williams, P.R., 1982. Geological Atlas 1:50,000 Series, sheet 73 (1:15). Hobart.</p> <p>(C) Unpublished geological survey mapping C.R. Calver 1996.</p> <p>(D) Unpublished geological survey mapping C.R. Calver 1996.</p> <p>(E) Airphoto interpretation by M. Vicary 2004.</p>
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**RESPONSIBILITY DIAGRAM**

**LOCATION DIAGRAM**

Base data from the LIST, Copyright State of Tasmania.

Map produced by the Data Management Branch of Mineral Resources Tasmania using GIS software.

AD426 - AMG Zone 55. Contour Interval: 20 metres.

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