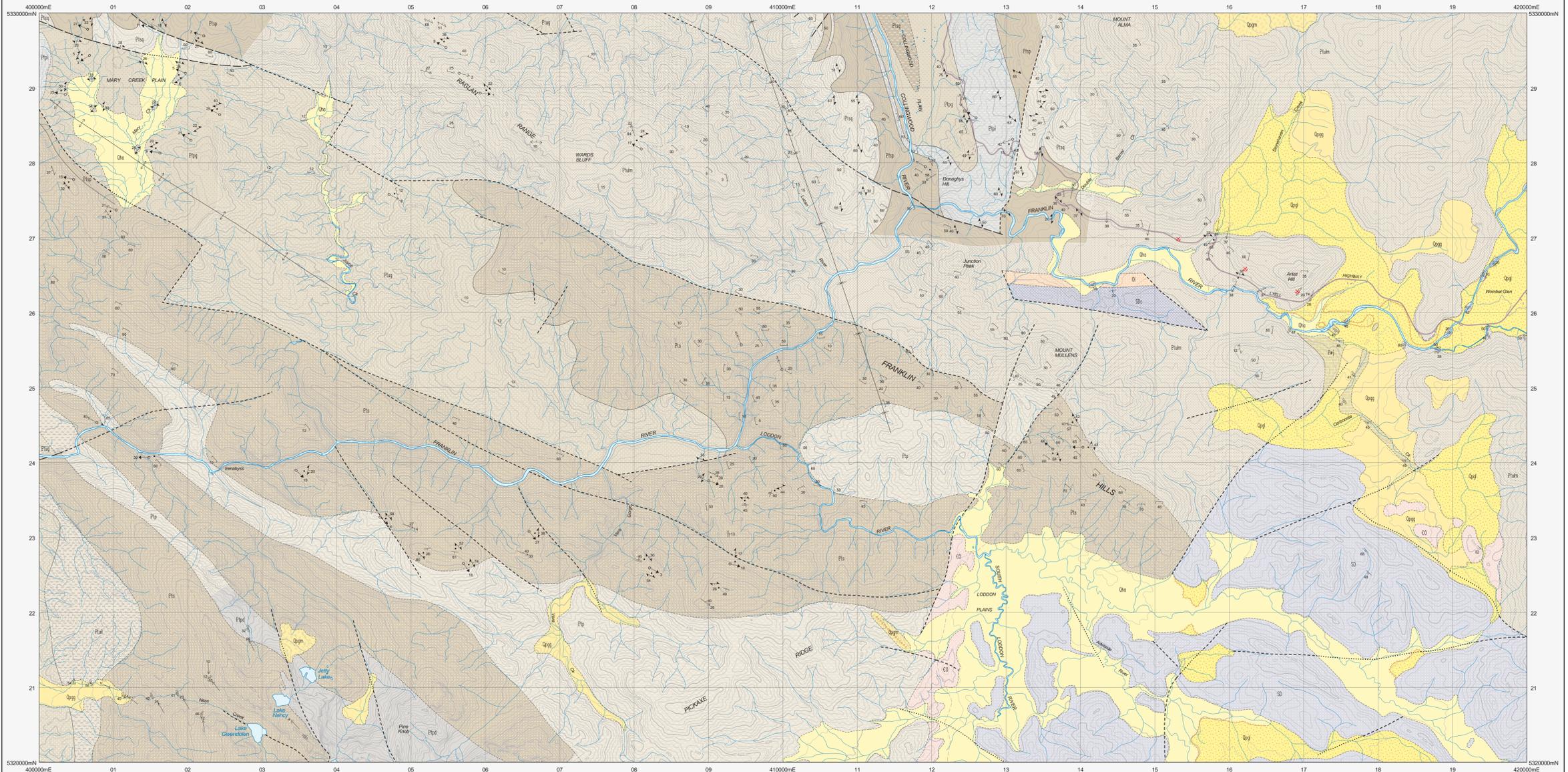
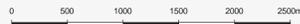


# LODDON

Scale: 1:25 000



CENOZOIC	
QUATERNARY	<p><b>Qha</b> Stream alluvium, swamp and marsh deposits (Qha).</p> <p><b>Qgg</b> Glacial and glaciogenic deposits (Qgg).</p> <p><b>Qpg</b> Fluvio-glacial and lacustrine deposits (Qpg).</p> <p><b>Qgm</b> Moraine and associated deposits (Qgm).</p>
<p><i>Note: Quaternary geology has been omitted in some areas of the cover or areas of complex bedrock geology.</i></p>	
PALEOZOIC	
CAMBRIAN - ORDOVICIAN	<p><b>S0</b> Shallow marine quartz sandstone, siltstone and shale (Eidan Group and correlates) (S0).</p> <p><b>S0c</b> Fine-to coarse-grained quartz-rich sandstone, calcareous sandstone and minor mudstone (correlates of Grotty Formation) (S0c).</p> <p><b>D1</b> Dark grey limestone, dolomite, calcareous mudstone, minor quartz sandstone and black clay weathering products in part fossiliferous (D1).</p> <p><b>C0</b> Undifferentiated shallow marine - non-marine siliceous conglomerate-sandstone (C0).</p>
DEVONIAN	<p><b>Ew1</b> Fine-grained, poorly bedded, white to pale grey dolostone and minor dolomitic breccia (Jane Dolomite) (Ew1).</p>

MESOPROTEROZOIC	
FRANKLIN GROUP	<p><b>Etpg</b> Fine-to coarse-grained, often thinly bedded, pelitic, garnetiferous quartz-mica and mica-quartz schist, commonly containing phengite, biotite, almandine, albite and chlorite. Relatively high metamorphic grade (Etpg).</p> <p><b>Etrg</b> Lithologically undifferentiated, commonly garnetiferous, rocks of relatively high metamorphic grade, including massive schistose quartzite and fine-to coarse-grained pelitic quartz-mica schist (Etrg). Massive and schistose quartzite, fine to coarse grained, commonly containing phengite, almandine and chlorite (Etrg).</p> <p><b>Etlg</b> Dominantly dark grey carbonaceous quartz-mica phyllite, sometimes porphyroblastic and occasionally containing albite, biotite, phengite, chlorite and minor garnet. Fine-grained quartzite frequently present. Intermediate metamorphic grade (Etlg).</p> <p><b>Etlg</b> Lithologically undifferentiated rocks of intermediate to low metamorphic grade (garnet minor to absent), including phyllite, fine-grained quartzite and dolomitic schist (Etlg). Dominantly grey to green carbonaceous pelitic quartz-mica phyllite, with interbedded black dolomitic schist. Non-garnetiferous and relatively low metamorphic grade (Etlg).</p> <p><b>Etp</b> Dominantly phyllite (Etp).</p>
TYNMAN REGION METASEDIMENTS	<p><b>Etlu</b> Lithologically undifferentiated rocks of low metamorphic grade and unmetamorphosed rocks (Etlu).</p> <p><b>Etsa</b> Interbedded fine-grained phengitic quartzite, green phengite-quartz phyllite, and grey to green carbonaceous pelitic quartz-phengite phyllite. Non-garnetiferous and relatively low metamorphic grade (Etsa).</p> <p><b>Ets</b> Dominantly quartzite (Ets).</p> <p><b>Etsa</b> Fine-grained, thickly bedded, phengitic quartzite and subordinate fine-grained massive quartzite. Non-garnetiferous and relatively low metamorphic grade (Etsa).</p>

- Geological boundary - position accurate or approximate.
- Geological boundary - inferred.
- Moraine Ridge Crests.
- Fault - unspecified type, position accurate or approximate.
- Fault - unspecified type, inferred.
- Fault - unspecified type, concealed.
- Scarp.
- Axial surface trace of major antiform.
- Axial surface trace of major synform.
- Limit of mapping of sub-unit within undifferentiated rock unit.
- Strike and dip of bedding facing known, right way up; overturned.
- Strike and dip of bedding, facing unknown.
- Strike and dip of compositional layering - dipping vertical.
- Strike and dip of cleavage, type and relative age unspecified.
- Strike and dip of cleavage, relative local age S2, however locally S1 (in quartzite units) or S3.
- Strike and dip of crenulation cleavage.
- Trend and plunge of lineation of unspecified type.
- Trend and plunge of lineation L2, formed by intersection of cleavages or foliations of relative local ages S1 and S2, relative local age F2.
- Trend and plunge of minor fold hinge line, unspecified relative age - with dip and dip direction of axial surface, with vertical axial surface.
- Trend of horizontal minor fold hinge line, unspecified relative age - with dip and dip direction of axial surface.
- Field station for adjacent readings on the map.
- Construction material/Industrial - Data derived from Mineral Resources Tasmania (MRT) DEPOSIT database. Data point position has not been verified in every case.

Compiled by M.J. Vicary, B.Sc. (Hons), 2004 as part of the Western Tasmanian Regional Minerals Program, from the following sources (see responsibility diagram):

A CALVER, C.R., BAILE, P.W., EVERARD, J.L., SEYMOUR, D.B., WILLIAMS, P.R., FORTY, S.M., TURNER, N.J. and WILLIAMS, E. 1987. Geological Atlas 1:50 000 Series, Sheet 58 (8013N), Lyell, Tasmania Department of Mines.

B GULLINE, A.B., LONGMAN, M.J. and MATHEWS, W.L. 1983. Geological Atlas 1 Mile Series, Sheet 50 (N115), Level 7, St Clair, Tasmania Department of Mines.

C SPRY, A.H. 1927. The Precambrian Rocks of Tasmania, Part II, The Mt Mary Area. Rep. Proc. R. Soc. Tas. 91: 81-88.

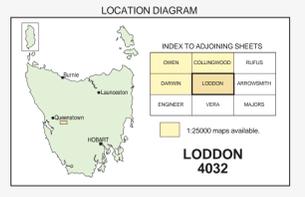
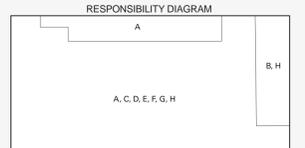
D SPRY, A.H. and ZIMMERMAN, D. 1959. The Precambrian Rocks of Tasmania, Part IV, The Mt Mulla Area. Rep. Proc. R. Soc. Tas. 91: 1-9.

E DUNGAN, D.M.P. 1974. Reconnaissance Geology of the Frenchmans Cap National Park. Rep. Proc. R. Soc. Tas. 107: 101-105.

F PETERSON, J.A. 1986. Geology of the Frenchmans Cap National Park. Rep. Proc. R. Soc. Tas. 100: 117-129.

G HALL, W.D.M., MINYRE, M.H., CORBETT, E.B., MCGREGOR, P.W., FENTON, G.R., ARNETT, C.D. and BLUMSTEAD, E.D. 1989. Report on Field Work EL 131766 South West Tasmania 1987-88. Unpublished report, Broken Hill Pty Co. Ltd. Dept. TCR 69, 9555.

H Air photograph interpretation by M. Vicary.



**REFERENCE THIS MAP AS:**  
VICARY, M.J. (compiler) 2004. Digital Geological Atlas 1:25 000 Scale Series, Sheet 4032. Loddon, Mineral Resources Tasmania.

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

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