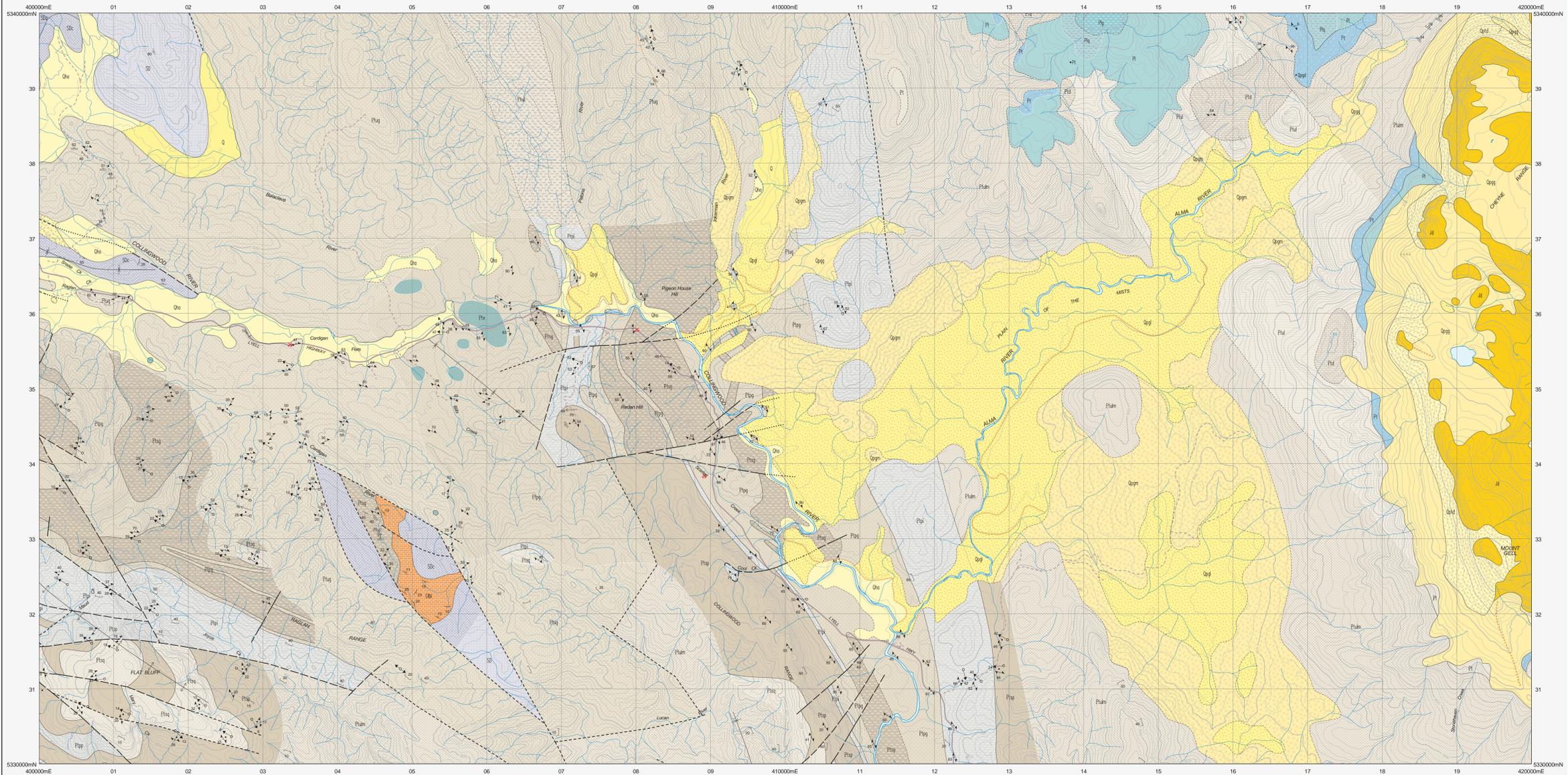


# COLLINGWOOD

Scale: 1:25 000



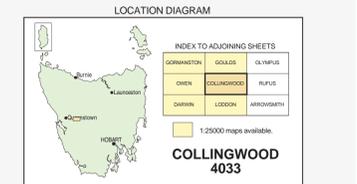
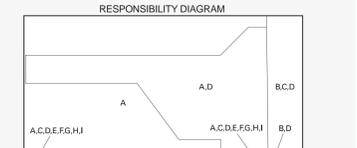
CENOZOIC	QUATERNARY	
	Qha	Stream alluvium, swamp and marsh deposits (Qha).
	Qbt	Talus consisting dominantly of dolerite boulders (Qbt).
	Qpl	Scree, talus and associated colluvium - derived from Eldon Group rocks (Qpl).
	Qpp	Dolitic and glauconitic deposits (Qpp), including local occurrence of dolerite erratics of +66.530m (Qpp).
	Qpm	Fluvioglacial and lacustrine deposits (Qpm).
	Qpn	Marine and associated deposits (Qpn).
PALEOZOIC	PERMIAN-VICIAN SILURIAN CARBONIFEROUS	
	Pt	Clacio-marine siltstone and very fine-grained sandstone, sparsely fossiliferous with a middle interval including well-sorted bioturbated sandstone with conglomerate lenses and some rocky fossiliferous beds (correlate of Golden Valley Group) (Pt).
	Pt	Massive to poorly bedded grey uniform fine-to medium-grained siltstone with occasional fine sandstone concretions and rare dolerites; fine thin layers of fossils near top in some areas (correlate of Quamby Mudstone) (Pt).
	Pt	Cobble and subordinate boulder tillite with intervals of laminated mudstone and fine-grained sandstone, absent in some areas (Pt).
	DEVONIAN	
SDa	Thinly mudstone and siltstone with minor sandstone and a rare limestone (correlate of Amber Formation) (SDa).	
SDb	Fine-to coarse-grained quartz-rich sandstone, calcareous sandstone and minor mudstone (correlate of Crofty Formation) (SDb).	
	Ob	Dominantly grey weathering micrite limestone (Ob).

MESO-PROTEROZOIC	TASMANIAN REGIONAL ASSESSMENTS	
	Etpp	Fine-to coarse-grained, often thinly bedded, pelitic, garnetiferous quartz-mica and mica-quartz schist, commonly containing phengite, biotite, amandine, albite and chlorite. Relatively high metamorphic grade (Etpp).
Etsg	Lithologically undifferentiated, commonly garnetiferous, rocks of relatively high metamorphic grade, including massive schistose quartzite and fine-to coarse-grained pelitic quartz-mica schist (Etsg). Massive and schistose quartzite, fine to coarse grained, commonly containing phengite, amandine and chlorite (Etsg).	
Ptj	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 (Ptj).	
Etpp	Lithologically undifferentiated rocks of intermediate to low metamorphic grade (garnet minor to absent), including phyllite, fine-grained quartzite and dolomitic schist (Ptj).	
Ptj	Dominantly grey to green carbonaceous pelitic quartz-phengite phyllite. Non-garnetiferous and relatively low metamorphic grade (Ptj).	
Ptjn	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 (Ptjn).	
Ptj	Fine-grained, thickly foliate, phengitic quartzite and subordinate fine-grained massive quartzite. Non-garnetiferous and relatively low metamorphic grade (Ptj).	
Etg	Massive, silicified and oolitic dolomite and dolomitic breccia interbedded with phyllite and fine-grained phengitic quartzite (Etg).	

INTRUSIVE ROCKS	
Jd	Dolerite and related rocks (Jd).
Pta	Amphibolite (Pta).
Pte	Local occurrences of amphibolite and eclogite (Pte).

- Geological boundary - position accurate or approximate
- Geological boundary - inferred
- Geological boundary - concealed
- Transitional geological boundary - position approximate
- Fault - position accurate or approximate
- Fault - inferred
- Fault - concealed
- Scarp
- Moraine ridge crest
- Axial surface trace of major synform
- Axial surface trace of major antiform
- Lithological trend line
- Limit of mapping of sub-unit within undifferentiated rock unit.
- Strike and dip of bedding, right way up.
- Strike and dip of bedding, facing unknown.
- Strike and dip of compositional layering.
- Strike and dip of cleavage of unspecified type and relative age.
- Strike and dip of dominant cleavage, relative age S2, however locally S1 (quartzite units) or S3.
- Strike and dip of crenulation cleavage.
- Trend and plunge of lineation L2 formed by intersection of cleavages or foliations of relative local ages S1 and S2.
- Horizontal lineation L2 formed by intersection of cleavages or foliations of relative local ages S1 and S2.
- Trend and plunge of minor fold hinge line, unspecified relative age.
- Field station for adjacent readings on the map.
- Local occurrence or small outcrop.
- Construction material/Industrial mineral/gemstone location

- Compiled by M.J. Vicary, B.Sc. (Hons), 2004 as part of the Western Tasmania Regional Minerals Program, from the following sources (See responsibility diagram):
- A CALVERT, C.R. et al 1987. Geological Atlas 1:50 000 Series, Sheet 58 (B113N), Lith. Tasmania Department of Mines.
  - B GULLINE, A.B., LONGMAN, M.J. and MATTHEWS, W.L. 1983. Geological Atlas 1:50 000 Series, NH133 and B2 Zone 7 Sheet 59, St Clair. Tasmania Department of Mines.
  - C S.M. Foster, Unpublished data.
  - D Air photograph interpretation by M. Vicary.
  - E SPRY, A.H. 1927. The Precambrian rocks of Tasmania. Part II The Mt Mary area. Pap. Proc. R. Soc. Tasn. 91: 1-9.
  - F SPRY, A.H. and DIMMERMAN, D. 1928. The Precambrian rocks of Tasmania. Part IV. The Mt Mary area. Pap. Proc. R. Soc. Tasn. 100: 117-128.
  - G DUNCAN, D.M.P. 1974. Reconnaissance geology of the Frenchmans Cap National Park. Pap. Proc. R. Soc. Tasn. 107: 117-129.
  - H PETERSON, J.A. 1968. Geology of the Frenchmans Cap National Park. Pap. Proc. R. Soc. Tasn. 100: 117-128.
  - I HALL, W.D.M., MCINTYRE, M.H., CORBETT, B., MCGREGOR, P.W., FENTON, G.E. ANDY, S.D. and BIRSEHEAD, E.S. 1988. Report on Field Work EL 1:50 000 South West Tasmania 1987-88. Unpublished report, Brown Hill Pty Ltd Geol. Dept. TCR88/055.



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VICARY, M.J. (compiler) 2004. Digital Geological Atlas 1:25 000 Scale Series, Sheet 4033, Collingwood, Mineral Resources Tasmania.

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

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