MINERAL RESOURCES TASMANIA
DIGITAL GEOLOGICAL ATLAS 1:25 000 SERIES
COLLINGWOOD, SHEET 4033

COLLINGWOOD

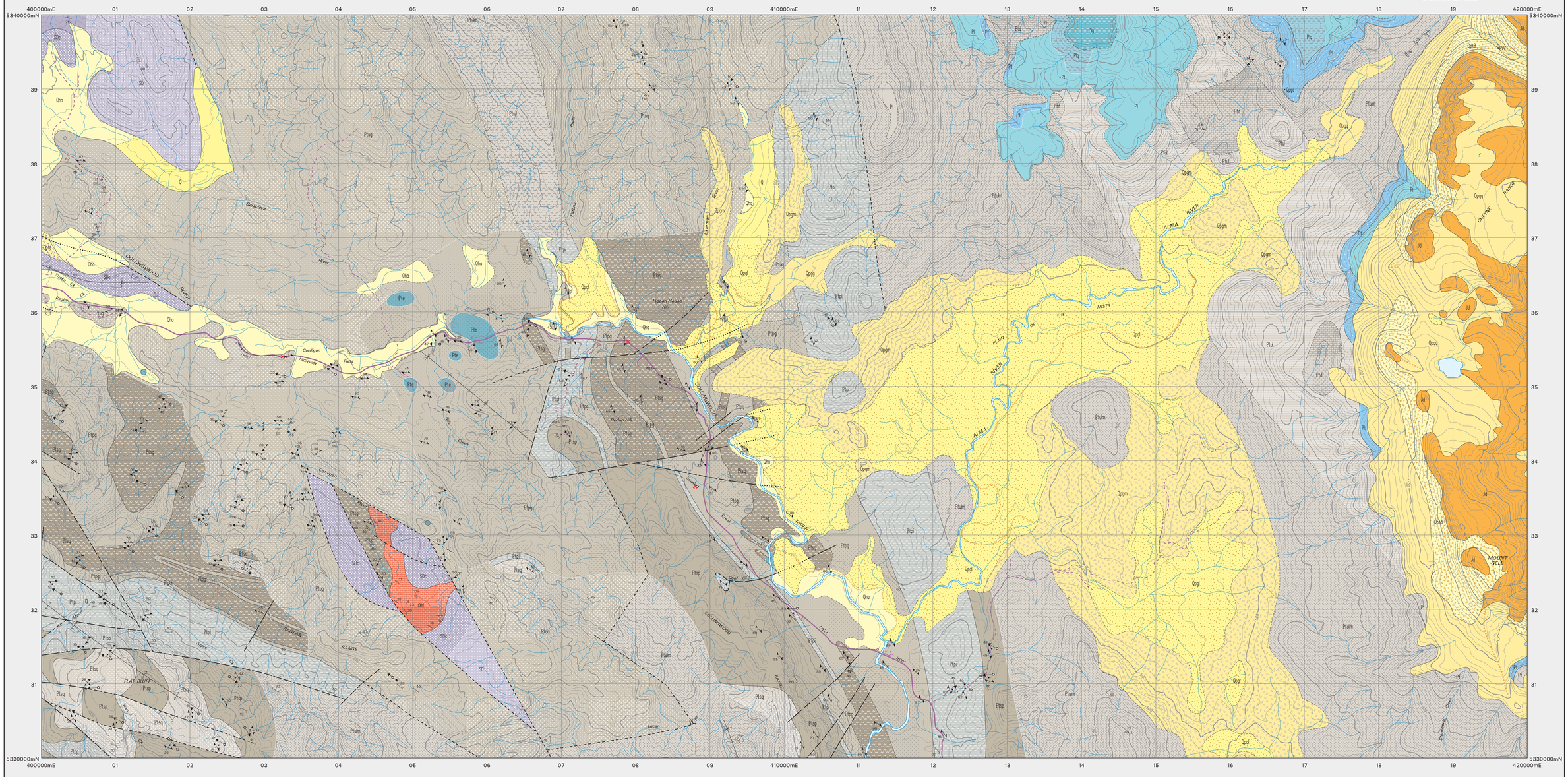
Scale: 1:25 000

0 500 1000 1500 2000 2500m

MINERAL RESOURCES TASMANIA

Tasmania

DEPARTMENT of INFRASTRUCTURE ENERGY and RESOURCES



CAINOZOIC	QUATERNARY – HOLOCENE	Qha	Stream alluvium, swamp and marsh deposits (Qha).
		Qpt	Talus consisting dominantly of dolerite boulders (Qpt).
		Qpte	Scree, talus and associated colluvium – derived from Eldon Group rocks (Qpte).
	QUATERNARY – PLEISTOCENE	Qpgg	Glacial and glacigene deposits (Qpgg), including local occurance of dolerite erratic at 416,800mE 5,339,000mN (Qpgg).
		Qpgl	Fluvioglacial and lacustrine deposits (Qpgl).
		Qpgm	Moraine and associated deposits (Qpgm).
PALAEOZOIC	PERMIAN-CARBONIFEROUS (LOWER PARMENER SUPERGROUP)	Pl	Glacio-marine siltstone and very fine-grained sandstone, sparsely fossiliferous with a middle interval including well-sorted bioturbated sandstone with conglomerate lenses and some richly fossiliferous beds (correlate of Golden Valley Group) (Pl).
		Ptg	Massive to poorly bedded grey uniform fine-to medium-grained siltstone with occasional iron sulphide concretions and rare glendonites. Rare thin layers of fossils near top in some areas (correlate of Quamby Mudstone) (Ptg).
		Pt	Cobble and subordinate boulder tillite with intervals of laminated mudstone and fine-grained sandstone, absent in some areas (Pt).
	DEVONIAN-SILURIAN (ELDON GROUP)	SDa	Mainly mudstone and siltstone with minor sandstone and a rare limestone (correlate of Amber Formation) (SDa).
		SDc	Fine-to coarse-grained quartz-rich sandstone, calcareous sandstone and minor mudstone (correlate of Crotty Formation) (SDc).
	ORDOVICIAN (GORDON GROUP)	Obl	Dominantly grey weathering micrite limestone (Obl).

Quaternary geology has been omitted in some areas of thin cover or areas of complex bedrock geology.

PROTEROZOIC (MESOPROTEROZOIC) – TYENNAN REGION METASEDIMENTS	Ptug	Ptpg	Fine-to coarse-grained, often thinly banded, pelitic, garnetiferous quartz-mica and mica-quartz schist, commonly containing phengite, biotite, almandine, albite and chlorite. Relatively high metamorphic grade (Ptpg).
		Ptsg	Lithologically undifferentiated, commonly garnetiferous, rocks of relatively high metamorphic grade, including massive schistose quartzite and fine-to coarse-grained pelitic quartz-mica schist (Ptug). Massive and schistose quartzite, fine to coarse grained, commonly containing phengite, almandine and chlorite (Ptsg).
	Pt	Ptpl	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 (Ptpl).
		Ptpp	Lithologically undifferentiated rocks of intermediate to low metamorphic grade (garnet minor to absent), including phyllite, fine-grained quartzite and dolomitic schist (Ptul). Dominantly grey to green carbonaceous pelitic quartz-phengite phyllite. Non-garnetiferous and relatively low metamorphic grade (Ptpp).
		Ptsp	Interbanded fine-grained phengitic quartzite, green phengite-quartz phyllite, and grey to green carbonaceous pelitic quartz-phengite phyllite. Non-garnetiferous and relatively low metamorphic grade (Ptsp).
		Ptsq	Fine-grained, thickly foliate, phengitic quartzite and subordinate fine-grained massive quartzite. Non-garnetiferous and relatively low metamorphic grade (Ptsq).
		Ptd	Massive, silicified and oolitic dolomite and dolomitic breccia interbanded with phyllite and fine-grained phengitic quartzite (Ptd).

INTRUSIVE ROCKS

MESOZOIC	JURASSIC	Jd	Dolerite and related rocks (Jd).
PROTEROZOIC	MESO-PROTEROZOIC	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.
- (white line) Limit of mapping of sub-unit within undifferentiated rock unit ('Colour boundary').

- 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 relative local age F2.
- Horizontal lineation L2 formed by intersection of cleavages or foliations of relative local ages S1 and S2.
- Trend and plunge of minor fold hingeline, unspecified relative age – with dip and dip direction of axial surface; with vertical axial surface.
- Field station for adjacent readings on the map.
- Local occurance or small outcrop.
- Construction materials location – Data derived from Mineral Resources Tasmania DEPOSITS data base. Data point position has not been verified in every case.

Compiled by M.J. Vicary, 2004 as part of the Western Tasmanian Regional Minerals Program, from the following sources (See Responsibilty Diagram):

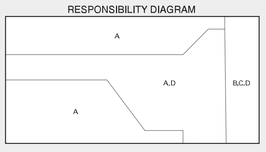
A CALVER, C.R., BAILLIE, P.W., EVERARD, J.L., SEYMOUR, D.R., WILLIAMS, P.R., FORSYTH, S.M., TURNER, N.J. and WILLIAMS, E. 1987. Geological atlas 1:50,000 series. Sheet 8013N Lyell. Tasmania Department of Mines.

B GULLINE, A.B., LONGMAN, M.J., and MATHEWS, W.L. 1963. Geological atlas 1 mile series. N8113 I and III Zone 7 Sheet 59 St Clair. Tasmania Department of Mines.

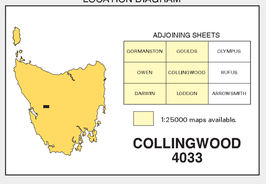
C FORSYTH, S.M., Unpublished data.

D Air photograph interpretation by M. Vicary.

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 G.I.S. software.

AGD66 - AMG Zone 55. Contour Interval: 20 metres.

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Plotfile for this map generated from digital data as at: 05-OCT-2006

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