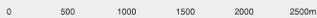
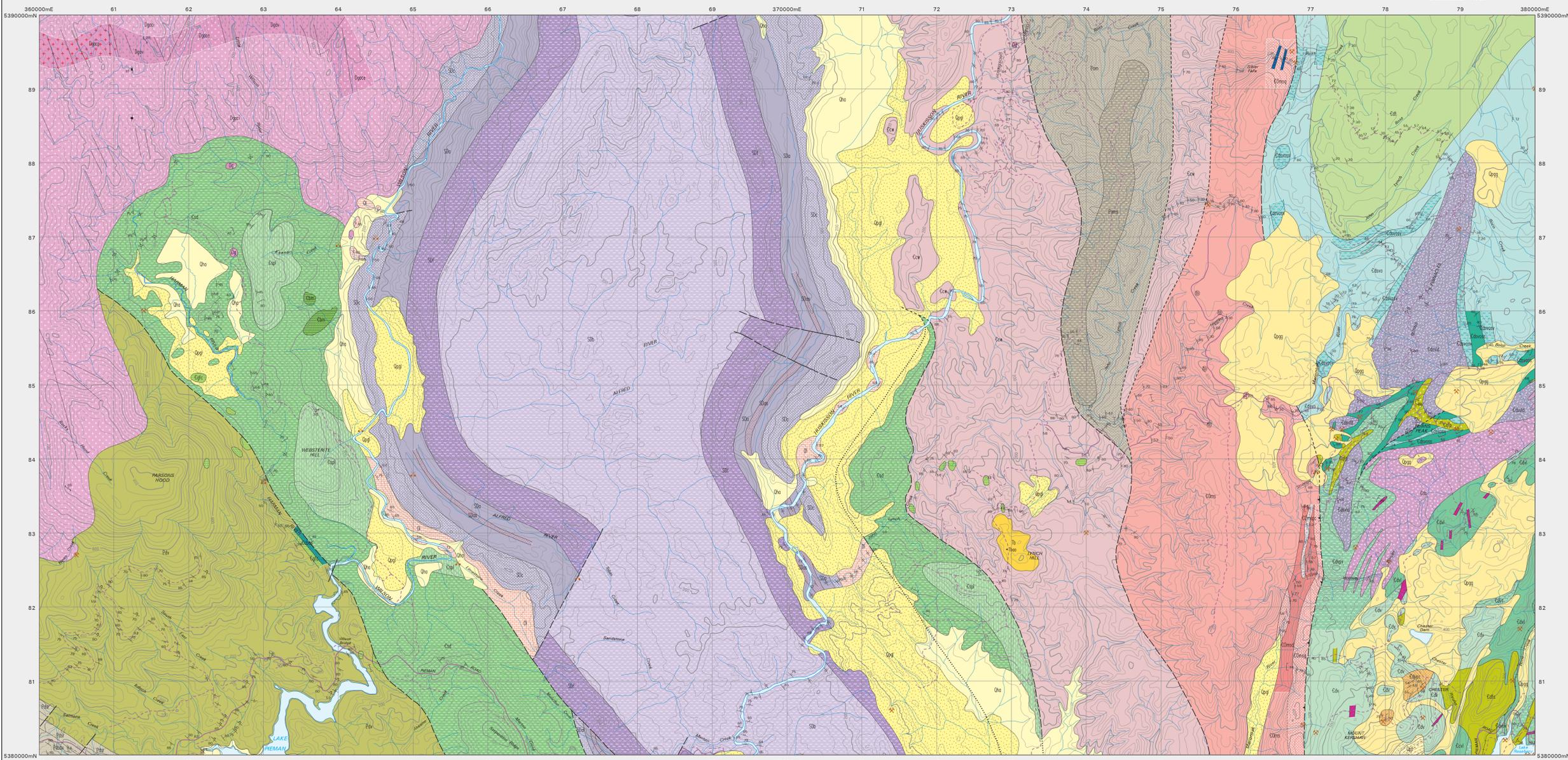


PARSONS

Scale: 1:25 000



MINERAL RESOURCES TASMANIA
DIGITAL GEOLOGICAL ATLAS 1:25 000 SERIES
PARSONS, SHEET 3638



PERIOD	UNIT	DESCRIPTION
CENOZOIC	Quaternary	Qta: Marsh and swamp deposits, alluvium, river gravels and slope wash deposits (Qta)
	Pleistocene	Qst: Talus and scree deposits (Qst)
TERTIARY	Tu	Basalt (Tu), including local occurrence of alkali olivine basalt (Tba) at 372840mE, 5382790mN
	Triassic	Tb: Basalt (Tb), including local occurrence of alkali olivine basalt (Tba) at 372840mE, 5382790mN
DEVONIAN	Sdb	Sandstone, siltstone and mudstone (correlate of Bear Shoal) (Sdb)
	Sdt	Dominantly quartz sandstone (Sdt)
SILURIAN	Sdg	Dominantly siltstone, mudstone and calcareous siltstone (SDa-undifferentiated correlative of Amber Slate, Keel Formation and Austral Creek Formation), with some units of limestone (SDg-with Amber Slate correlative, and quartz sandstone (SDg-correlative of Keel Formation) indicated)
	Sdi	Quartz sandstone with minor mudstone and granite conglomerate layers (correlate of Croftly Quartzite) (Sdi)
PALAEOZOIC	Or	Limestone and impure limestone (correlate of Gordon Group) (Or)
	Coms	Marine sandstone-siltstone-conglomerate sequence, allochthonous to polymict, marine facies in places, includes extensions of the Rosebery Group (Coms)
EARLY CAMBRIAN	Comsd	Dolomitic mudstone, siltstone and sandstone, with interbeds of volcanioclastic conglomerate and sandstone in places (Comsd)
	Comsp	Polymict conglomerate, typically calcareous, with facies in places (Comsp)
MIDDLE CAMBRIAN	Comsa	Micaeous quartzite-siltstone-conglomerate sequence (includes correlative of Silt Quartzite) (Comsa)
	Comsb	Micaeous quartzite-siltstone-conglomerate sequence (includes correlative of Silt Quartzite) (Comsb)

PERIOD	UNIT	DESCRIPTION
PROTEROZOIC	Cdt	Mainly volcanioclastic to polymict sandstone, breccia, siltstone, mudstone and conglomerate (Cdt)
	Cdsva	Interbedded volcanioclastic sandstone, breccia, siltstone, mudstone, and conglomerate (Cdsva)
DEVONIAN	Cdsva	Quartz-feldspar +/- biotite porphyry, mainly intrusive but may be partly extrusive (Cdsva)
	Cdsvs	Dominantly volcanioclastic sandstone and mass-flow breccia, typically quartz-feldspar-phryic (Cdsvs)
MIDDLE CAMBRIAN	Cdv	Dominantly feldspar-phryic volcanic and volcanioclastic rocks (Cdv)
	Cdvt	Feldspar-quartz porphyry, typically with spherulitic groundmass, intrusive to partly extrusive (Cdvt)
EARLY CAMBRIAN	Cdvt	Quartz-feldspar +/- biotite porphyry, mainly intrusive but may be partly extrusive (Cdvt)
	Cdvt	Mainly felsic volcanioclastic and pyroclastic rocks, typically feldspar-phryic, including pumice-bearing units (Cdvt)
ALLOCHTHONOUS SEQUENCES	Cdvt	Pumice-bearing volcanioclastic rocks, usually with eutaxitic texture (Cdvt)
	Cdvt	Block and ash flow breccia with lithic clasts and relict pumice fragments (Cdvt)
ALLOCHTHONOUS SEQUENCES	Cdvt	Felsic lava, typically feldspar +/- quartz-phryic, rhyolitic to dacitic (Cdvt)
	Cdvt	Chert and chert-pyrite rock, bedded in places, at Chester mine (Cdvt)
ALLOCHTHONOUS SEQUENCES	Ccw	Faulted contacts
	Ccw	Mafic volcanioclastic lithicwacke, siltstone and mudstone with minor carbonate and basalt (correlate of Cleveland-Waratah Association) (Ccw)

PERIOD	UNIT	DESCRIPTION
PROTEROZOIC	Pdv	Mafic volcanioclastic lithicwacke, siltstone and mudstone with minor carbonate and basalt (Crisson Creek Formation) (Pdv)
	Pdsv	Red chert and mudstone with minor conglomerate layers (upper member of Crisson Creek Formation) (Pdsv)
DEVONIAN	Pdsv	Laminated siltstone-siltstone and black mudstone, with minor interbedded quartz sandstone and conglomerate (Pdsv) (Pdsv, later Success Creek Group)
	Pdsv	Inferred angular unconformity
MIDDLE CAMBRIAN	Pdsv	Thin bedded calcareous siltstone and conglomerate, with minor quartzite and mudstone (Pdsv)
	Pdsv	Dominantly quartz sandstone and quartzite with minor black laminated mudstone (Pdsv) (Pdsv, correlative of upper Onah Formation)
EARLY CAMBRIAN	Pdsv	Very coarse-grained equigranular biotite granite, with very abundant intrusions of fine-to coarse-grained porphyritic quartz-feldspar biotite granite (Dgac)
	Pdsv	Some areas of pink, medium-to coarse-grained equigranular granite (Dgac), grey fine-to medium-grained variably porphyritic granite (Dgac) and grey to white medium-to coarse-grained equigranular granite (Dgac) indicated. Quartz-feldspar rocks locally abundant (Dgac) etc: felsic phase of Meredith Granite)
MIDDLE CAMBRIAN	Dg	Lamprophyre (Dg)
	Cdcb	Basaltic dykes, typically chlorite-altered (Cdcb)
EARLY CAMBRIAN	Cdca	Quartz-feldspar porphyry (Cdca)
	Cdca	Feldspar-quartz-phryic, commonly spherulitic, felsic intrusives (Cdca)
ALLOCHTHONOUS SEQUENCES	Cdca	Massive to pillowed, aphyric basalt and intercalated breccia (low-titanium basalt) (Cdca)
	Cdca	Fine-to coarse-grained gabbro (Cdca)
ALLOCHTHONOUS SEQUENCES	Cdca	Serpentinitised, interlayered dunite, harzburgite and minor orthopyroxene (LFD succession) (Cdca)
	Cdca	Serpentinitised interlayered orthopyroxene, dunite and pyroxene-bearing dunite (LFD succession) (Cdca)
ALLOCHTHONOUS SEQUENCES	Cdca	Amphibolite (Cdca)
	Cdca	Amphibolite (Cdca)



Compiled by J.L. Everard, 2000 from the following sources (see responsibility diagram)

1. Turner, N.J., Brown, A.V., McClellan, M.P. & Sostero, I. (1981). Geological Atlas 1:50 000 series sheet 62 (371840) Corinna, Tasmania. Department of Resources and Energy.
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3. Collins, P.L. (1981). Geological Survey Exploratory Report, Sheet 64 (380400). Macintosh, Tasmania Department of Mines.
4. Shaples, C. (1992). Subdivisions in the southern part of the Meredith Group, Tasmania. Department of Mines Report 1992/06.
5. Corbett, K.D. & McNeil, A.V. (1986). Mt Read Volcanic Project, Map 2. Tasmania Department of Mines, with additional information from G. McNeil, A.V., 2002. EL 4-2000 (Bajabac). Annual report for the period ending May 18, 2002. Tasmania Exploration, TCE-04-007.
6. McNeil, A.V., 2002. EL 4-2000 (Bajabac). Annual report for the period ending May 18, 2002. Tasmania Exploration, TCE-04-007.
7. Peak, H.D., 1980. The geology of the Burnie Peak-Boon Road area. BSc(Hon) thesis, University of Tasmania.

Data derived from Mineral Resources Tasmania DEPOSIT data base. Data point position has not been verified in every case.

Data derived from Mineral Resources Tasmania DEPOSIT data base. Data point position has not been verified in every case.

Map produced by the Data Management Branch of Mineral Resources Tasmania using G.I.S. software.

ADJACENT SHEETS

(A,D)	(C,F)
(A,B,F)	(E,F,G,H)

LOCATION DIAGRAM

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ADJACENT SHEETS

MERCETON	RAMMAY	CHARLES
LEWISTON	PARSONS	BLOCK
STANLEY	ROSEBERY	WELLS

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