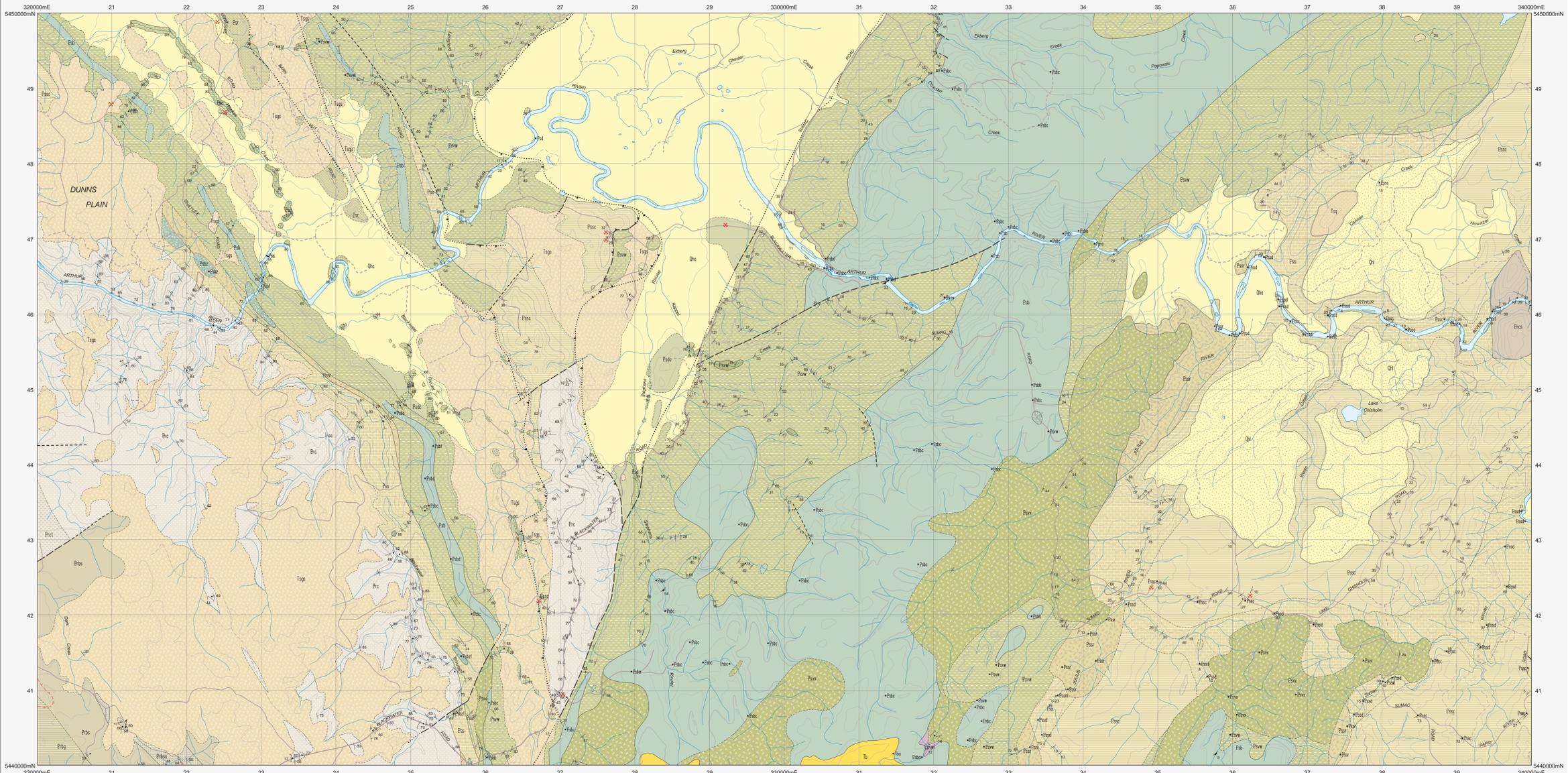


SUMAC

Scale: 1:25 000



CENOZOIC	QUATERNARY	
	PLEISTOCENE	HOLOCENE
	Qha	Alluvium and swamp deposits (Qha).
	Qh	Log of dominantly oolitic and banded chert, with associated silt and sand (Qh).
	Qsp	Talus (Qsp).
		Erosional surface.
PALEOGENE - NEOGENE	Tb	Basalt (Tb).
	Tsq	Indurated quartz sand with plant fossils (Tsq).
	Tspg	Interbedded siliceous gravel, quartz sand and clay (Tspg).

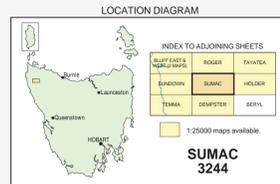
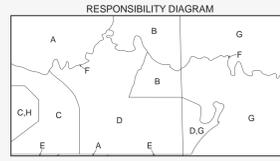
NEOPROTEROZOIC	KAMUNNIBERG GROUP	
	TOUGHIGROUP	BLACKHILL GROUP
	Par	Pale weathering, thin bedded, laminated quartz siltstone with subordinate interbedded fossiliferous shale. Commonly silicified. (Salmon River Siltstone) (Par).
	Esva	Shallow marine dolomite and minor limestone (Esva). Areas of silicification and/or clayey part indicated (Esva). (Esva. Pebb. Smitton Dolomite).
	Pba	Interbedded laminated mudstone, siltstone, and siltstone with mafic volcanic ash (Pba). (Pba. Pebb. Smitton Dolomite).
	Pba	Dominantly micrite (with clasts of basaltic and felsic volcanic rocks, dolomite, chert and mudstone-siltstone in a fine-grained non-dolomitic matrix), with interbedded laminated mudstone, siltstone and calcareous siltstone (Pba). (Coles Hill Member).
	Pba	Dolomitic breccia with clasts of dolomite, stromatolitic dolomite and oolitic chert in a dolomitic matrix (Pba). (Julius River Member).
	Pba	Interbedded dolomite, chert, siltstone and mudstone (Pba). Interbedded massive to well laminated stromatolitic dolomite (Pba); dark grey to black dolomitic siltstone and mudstone (Pba); dominantly interbedded massive or banded to poorly oolitic, black and white to grey chert and laminated siltstone, with minor dolomite (Pba); blocky black siliceous mudstone and siltstone, and thin laminated chert (Pba).
	Pba	Chert breccia and conglomerate (with clasts dominantly of black, grey and white chert, and subordinate orthoquartzite), interbedded with grey weathering distinctly laminated medium-grained quartzarenite (Pba). (Comprise of Forest Conglomerate and Quartzite).
		Erosional and transgressive surface; low angle unconformity at some localities.
7 MESOPROTEROZOIC	Erc	Interbedded black, dark grey and green, commonly pyritic, laminated siltstone and mudstone, with rare sandstone and mud pellet conglomerate (Erc). Silicified equivalent of unit Erc (Erc). (Erc. Coarse Siltstone).
	Evc1	Thin-bedded, very fine-grained quartz sandstone and siltstone, probably turbidites, with minor interbeds of dark grey mudstone (Evc1).
	Erb	Laminated to thick bedded, chertic to siliceous siltstone to fine sandstone, containing variably disseminated porphyroblastic chlorite (Erb). Micaceous fine-grained sandstone with subordinate interbedded siltstone and graphitic shale, and containing porphyroblastic chlorite (Erb).
	Erb	Laminated chertic mudstone to siltstone and rare sandstone containing variably disseminated porphyroblastic chlorite (Erb).

IGNEOUS ROCKS

Tb	Basalt (Tb). Alkali olivine basalt (Tbo).
Pba	Massive basalt (Pba). Varieties with ~ 0.6 - 0.7 wt.% TiO ₂ (Pba), 1.0 - 1.1 wt.% TiO ₂ (Pba), 1.5 - 1.8 wt.% TiO ₂ (Pba), 2.2 - 2.4 wt.% TiO ₂ (Pba), 0.8 - 1.1 wt.% TiO ₂ and olivine (Pba) indicated. (Pba, Pba, etc Spinks Creek Volcanics).
Pba	Medium to coarse-grained or pegmatitic diorite (Pba). Intrusives of plagioclase composition (Pba) and of alkalic affinities (Pba) indicated.

- Geological boundary - position approximate.
- - - Geological boundary - inferred.
- - - Geological boundary inferred from aeromagnetic interpretation.
- - - Unconformable boundary - position accurate or approximate.
- - - Intrusive boundary - position accurate or approximate.
- - - Fault - position approximate.
- - - Fault - inferred.
- - - Fault - concealed.
- - - Thrust fault - position approximate, teeth on upper plate.
- - - Thrust fault - concealed, teeth on upper plate.
- - - Magnetic gradient - direction towards lower values indicated.

- Strike and dip of bedding, facing known - right way up; overturns, vertical, facing indicated by single tic.
- Strike and dip of bedding, facing unknown - dipping, vertical.
- Strike and dip of cleavage, type and relative age unspecified - dipping, vertical.
- Strike and dip of cleavage, relative local age S1 S2; S3.
- Trend and plunge of hinge-line of minor fold with dip and direction of axial surface indicated, vertical axial surface.
- Trend and plunge of hinge-line of minor fold with dip and direction of axial surface, and sense of displacement viewed down-plunge, sinistral.
- Trend of horizontal minor fold hinge line, unspecified relative age.
- Trend and plunge of minor fold hinge line, unspecified relative age, vergence sinistral.
- Strike and dip of dyke or vein, rock type or mineral specified in digital data.
- Strike and dip of dominant joint set.
- Field station for adjacent readings on the map.
- Notable small outcrop with rock unit indicated.
- Mineral deposits location - hardrock.
- Construction material/industrial - mineral/gemstone location.



REFERENCE THIS MAP AS:
EVERARD, J.L., MCLEAGHAN, M.P., BROWN, A.V., SEYMOUR, D.B., GREEN, D.C. and REED, A.R. (compilers) 2015. Digital Geological Atlas 1:25 000 Scale Series, Sheet 3244 Sumac, Mineral Resources Tasmania.

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Website: www.mrt.tas.gov.au

GD84 - MGA Zone 55. Contour Interval: 20 metres.

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