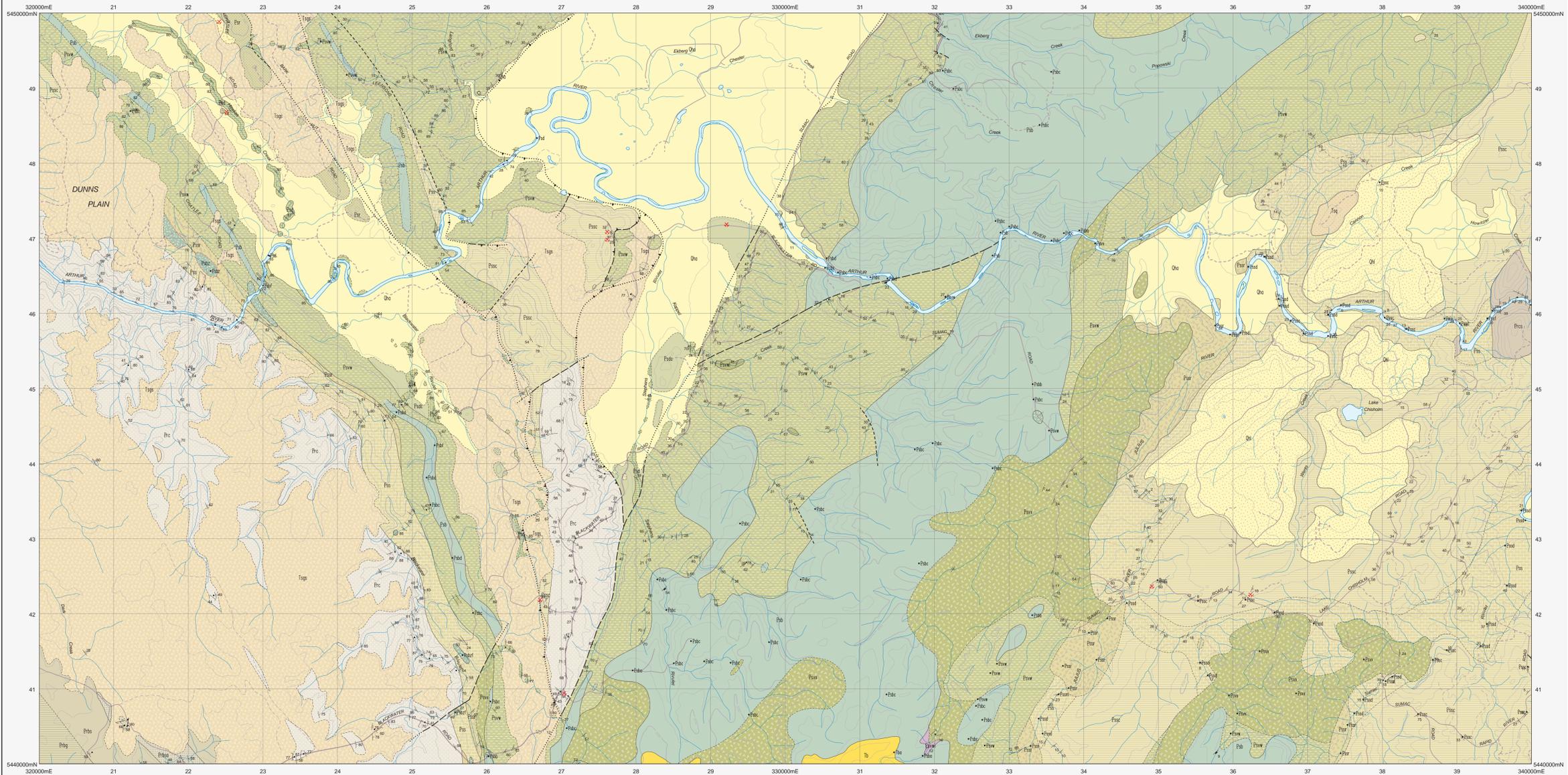


SUMAC

Scale: 1:25 000



CENOZOIC	QUATERNARY	
	HOLOCENE	PLISTOCENE
	Qha	Qp1
	Qhb	
		Ts1
		Ts2
		Ts3

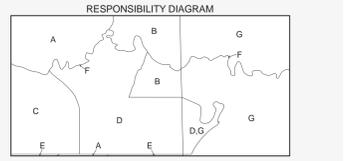
NEOPROTEROZOIC	KAMUNNIBERG GROUP		TOUGHIGROUP
	BLACKHILL	BLACKHILL	
	Par	Par	
	Esd	Esd	
	Esve	Esve	
	Pbc	Pbc	
	Pss	Pss	
	Pscb	Pscb	
	Erc	Erc	
	Erb	Erb	
	Erbg	Erbg	

NEOPROTEROZOIC	PALEOGENE - NEOGENE	
	PALEOGENE	NEOGENE
	Tb	
	Epb	
	Pbzb	

- IGNEOUS ROCKS**
- Tb Basalt (Tb). Alkal olivine basalt (Tbo).
 - Epb Massive basalt (Epb). Varieties with ~ 0.6 - 0.7 wt% TiO₂ (Epb1), 1.0 - 1.1 wt% TiO₂ (Epb2), 1.5 - 1.8 wt% TiO₂ (Epb3), 2.2 - 2.4 wt% TiO₂ (Epb4), 0.8 - 1.1 wt% TiO₂ and olivine (Epb5) indicated. (Epb, Epb1, Epb2, Epb3, Epb4, Epb5).
 - Pbzb Medium to coarse-grained or pegmatitic dolerite (Pbzb). Intrusives of dioritic composition (Pbzb1) and of alkalic affinities (Pbzb2) indicated.
- BOUNDARIES**
- 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.
- STRUCTURAL FEATURES**
- 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 strike-slip hinge-line, 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.
 - Construction material/industrial mineral/gemstone location - Data derived from Mineral Resources Tasmania (MRT) digital data base. Data point position has not been verified in every case.

Geology by J.L. Everard, B.Sc.(Hons), D.B. Seymour, B.Sc.(Hons), Ph.D., D.L. Green, B.Sc.(Hons), Ph.D., M.P. McLennaghan, B.Sc.(Hons), Ph.D., A.V. Brown, B.Sc.(Hons), Ph.D. and A.R. Reed, B.Sc.(Hons), 1988 from the following sources (see responsibility diagram):

A D.B. Seymour 1995-1996, 1:25 000 scale mapping
B M.P. McLennaghan 1995-1996, 1:25 000 scale mapping
C D.C. Green 1995-1996, 1:25 000 scale mapping
D J.L. Everard 1995-1996, 1:25 000 scale mapping
E A.R. Reed 1997-98, 1:25 000 scale mapping
F From J.L. Everard and C.R. Calver, 1993 Arthur River Troughs, Mineral Resources Tasmania Plans 5432A,B.
G EVERARD, J.L., SEYMOUR, D.B., BROWN, A.V., 1996: Geological Atlas 1:25 000 Scale Series, Sheet 3244 (SUMAC), Mineral Resources Tasmania, with modifications from new aeromagnetic interpretation.



REFERENCE THIS MAP AS:
EVERARD, J.L., MCLENNAGHAN, M.P., BROWN, A.V., SEYMOUR, D.B., GREEN, D.C. and REED, A.R., (compilers) 1997, Digital Geological Atlas 1:25 000 Scale Series, Sheet 3244, Sumac, Mineral Resources Tasmania.

Base data from the LIST, Copyright State of Tasmania.
Map produced by the Geoscience Information Branch of Mineral Resources Tasmania using G.I.S. software.
GDA - MGA Zone 55. Contour Interval: 20 metres.

While every care has been taken in the preparation of this data, no warranty is given as to the correctness of the information and no liability is accepted for any statement or opinion or for any error or omission. No reader should act or fail to act on the basis of any material contained herein. Readers should consult professional advisers. As a result the Crown in Right of the State of Tasmania and its employees, contractors and agents expressly disclaim all and any liability (including all liability from or attributable to any negligent or wrongful act or omission) to any persons whatsoever in respect of anything done or omitted to be done by any such person in reliance whether in whole or in part upon any of the material in this data.

INDEX TO ADJOINING SHEETS

ALFUP	ROGER	THREKA
BLANDON	SUMAC	HOLDER
YARRA	DEMPSTER	BERYL

1:25000 maps available.

SUMAC 3244