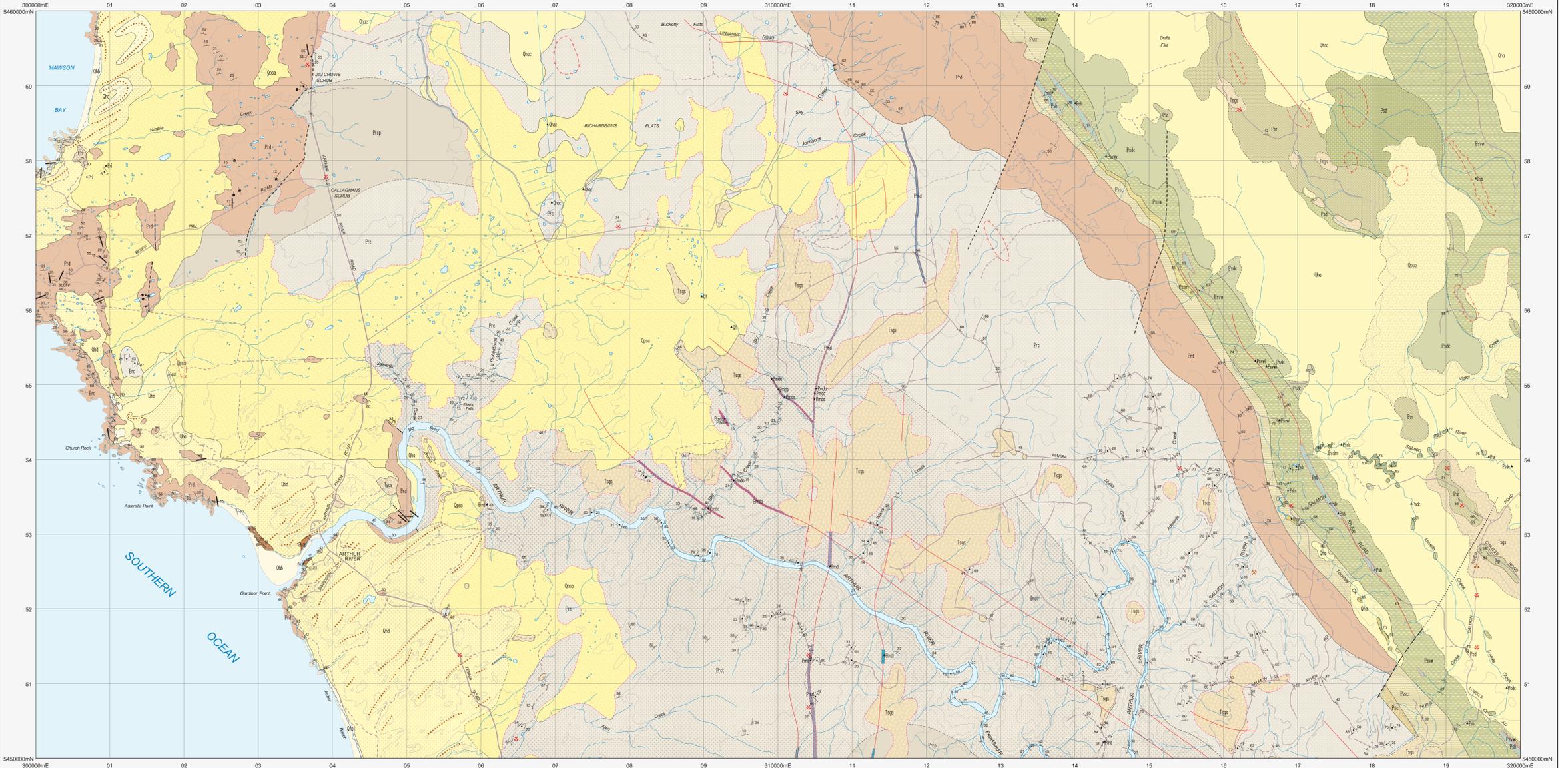


# BLUFF EAST

Scale: 1:25 000



PERIOD	UNIT	DESCRIPTION
CENOZOIC	QUATERNARY	Qhb Beach sand (Qhb).
		Qhd Dune sand (Qhd).
		Qho Stream alluvium, swamp and marsh deposits (Qho).
		Qhoc Alluvium and colluvium (Qhoc).
	PLEISTOCENE	Qhbd Younger active dune and beach sand and beach gravel (Qhbd).
		Qpsa Older aeolian sand and minor clay, peat and gravel (Qpsa).
	PALEOCENE-PALEOZOIC	Qp Older stabilised aeolian sand, dominance of coastal plains (Qpsa).
		*Qf Ferricrete deposits of probable Quaternary age (Qf).
		Tsgs Interbedded siliceous gravel, quartz sand and clay (Tsgs).
		Unconformity
NEOPROTEROZOIC	CAMBRIAN	Par Pale-weathering, thin-bedded, laminated quartz siltstone with subordinate interbedded fossiliferous shale, rare Cambrian fossils present, commonly silicified (Garnon River Siltstone) (Par).
		Psd Shallow marine dolomite and minor limestone (Psd), rare interbedded pyritic black shale indicated (Esdm).
	EDACARAN	Psdcc Silicified carbonate rocks, chert and clayey pug, derived from dolomite (Psdcc).
		Esww Hematitic ironstone (Esww).
	BLACK-ENER SUBGROUP	Esmb Massive and minor amygdaloidal, dominantly tholeiitic basalt (Esmb, correlate of Snake Creek Volcanics).
		Esmb Interbedded laminated mudstone, siltstone and siltstone sandstone with mafic volcanic dykes (Esmb). (Esmb, Esmb, Kappal Creek Formation).
		Esmb Note: Esmb indicates minor polymict lithic conglomerate and diamicite may be present.
		Esmb Dark grey to black siltstone and mudstone (Esmb).
		Esmb Dolomitic breccia, with clasts of dolomite and chert in a dolomite matrix (Esmb).
		Esmb Massive to well-laminated, shallow marine, locally stromatolitic dolomite (Esmb).

PERIOD	UNIT	DESCRIPTION
MESOPROTEROZOIC	Erd Laminated grey siltstone, mudstone and dolomite (Erd Siltstone) (Erd).	
	Erd Well-bedded, cross-bedded, mostly fine-grained quartzite and subordinate siltstone (Erd); interbedded pale to dark grey, thinly wavy-laminated quartz siltstone indicated (Erdp).	
	Erd Interbedded black, grey or rarely green, locally pyritic, laminated siltstone and mudstone (Erd); some units of fossiliferous black to grey pyritic siltstone shown (Erdp).	
NEOPROTEROZOIC (?)	Erdc Thick-bedded siltstone and very fine-grained quartz sandstone, with minor interbeds of dark grey mudstone, probably turbidites (Erdc).	
	Erdc Fossiliferous dark grey to black pyritic siltstone (Erdc).	
	Erdc Fossiliferous dark grey to black pyritic siltstone (Erdc).	

SYMBOL	DESCRIPTION
—	Geological boundary - position accurate or approximate.
- - -	Geological boundary - inferred.
...	Geological boundary - inferred from airborne magnetic data.
...	Geological boundary - inferred from airborne radiometric data.
- - -	Fault - position accurate or approximate.
- - -	Fault - inferred.
...	Fault concealed.
...	Dune crest.
...	Magnetic gradient - direction towards lower values indicated.
...	Lineament visible in airborne magnetic data.
...	Limit of mapping.
...	Limit of mapping of sub-unit within undifferentiated rock unit ('color boundary').

SYMBOL	DESCRIPTION
...	Strike and dip of bedding, facing known - right way up overturned.
...	Strike and dip of bedding, facing unknown - dipping vertical.
...	Horizontal bedding.
...	Strike and dip of cleavage, type and relative age unspecified - dipping vertical.
...	Strike and dip of outcrop-scale fault of unspecified relative age, type unspecified; dipping vertical.
...	Trend and plunge of minor fold hinge line, unspecified relative age; with dip and dip direction of axial surface.
...	Generalised anticlinal direction, showing sense of movement.
...	Trend and plunge of hinge line of unspecified relative age - minor antiform, minor synform.
...	Trend of horizontal minor fold hinge line, unspecified relative age; antiform.
...	Trend and plunge of kink-fold hinge line, sense of displacement unknown.
...	Trend and plunge of minor fold hinge line, unspecified relative age; vergence describing vergence antiform.
...	Trend and plunge of hinge line of minor antiform, relative local age T1.
...	Strike and dip of dominant joint set; vertical.
...	Trend and plunge of slickensides, movement sense unspecified.
...	Strike and dip of cataclastic foliation.
...	Strike of dyke or vein, rock type or mineral specified by RCODE in Point Attribute Table; with dip and dip direction indicated.
...	Field station for adjacent readings on the map.
...	Notable small outcrop with rock unit indicated.
...	Notable float or log occurrence.
...	Mineral deposit location - hardrock.
...	Mineral deposit location - alluvial/alluvial data base. Data point position has not been verified in every case.

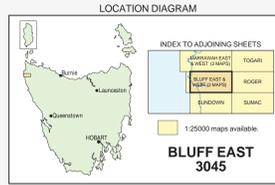
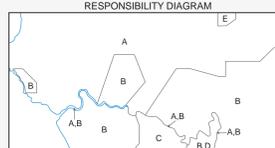
Geology by G.V. Cumming, B.Sc. (Hons), J.L. Everard, B.Sc. (Hons) and C.R. Calver, B.Sc. (Hons) (Pt. I) with acknowledgements to B.S. Seymour, B.Sc. (Hons) (Pt. II) and B.S. Waring, B.Sc. (Hons). Compiled 2014 from the following sources (see responsibility diagram):  
A G.V. Cumming, new field mapping 2013.  
B J.L. Everard, new field mapping 2013.  
C C.R. Calver, new field mapping 2012.  
D B.S. Waring, new field mapping 2012.  
E D.S. Seymour, in Seymour D.B. & Stille P.W. 1992. Geological atlas 1:50,000 series. Sheet 20 (7816S). Woodlith, Tasmania Department of Mines.

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CUMMING G.V., EVERARD J.L. and CALVER C.R. 2014. Digital Geological Atlas 1:25 000 Scale Series, Sheet 3045 Bluff East, Mineral Resources Tasmania.

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Website: www.mrt.tas.gov.au



GD94 - MGA Zone 55. Contour interval: 20 metres.  
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