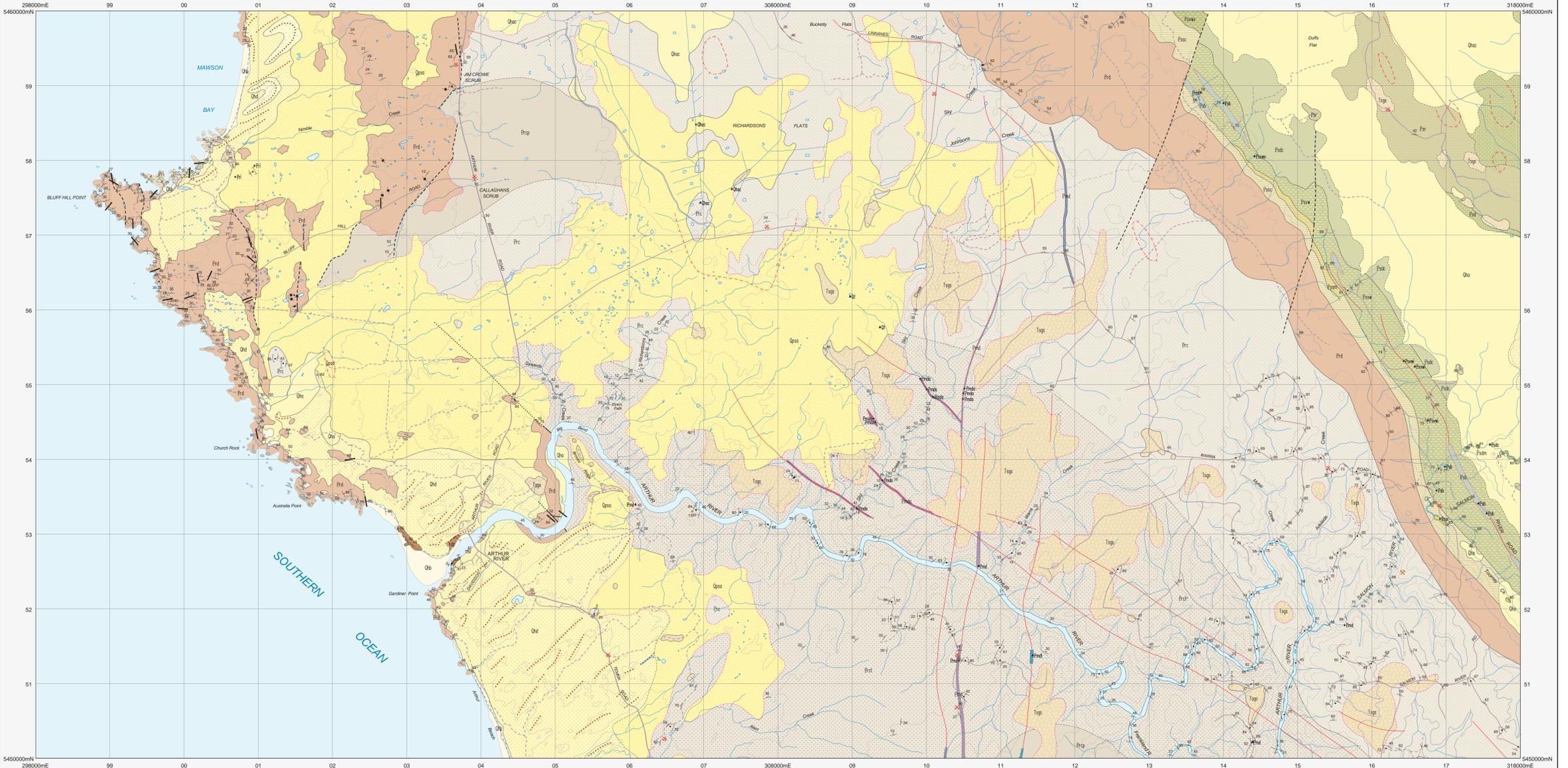


BLUFF WEST

Scale: 1:25 000



298000mE 99 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 318000mE
5460000mN 59 58 57 56 55 54 53 52 51 5450000mN

| PERIOD | UNIT | DESCRIPTION |
|----------------|---------------------|---|
| CENOZOIC | QUATERNARY | Qhb Beach sand (Qhb). |
| | | Qhd Dune sand (Qhd). |
| | | Qha Stream alluvium, swamp and marsh deposits (Qha). |
| | | Qhac Alluvium and colluvium (Qhac). |
| | PLEISTOCENE | Qhbd Younger active dune and beach sand and beach gravel (Qhbd). |
| | | Qpsa Older aeolian sand and minor clay, peat and gravel (Qpsa). |
| | | Qpsb Older stabilised aeolian sand, dominance of coastal plains (Qpsb). |
| | | Qf Ferricrete deposits of probable Quaternary age (Qf). |
| | | Tsgs Interbedded siliceous gravel, quartz sand and clay (Tsgs). |
| | | Unconformity |
| NEOPROTEROZOIC | CAMBRIAN | Psr Pale-weathering, thin-bedded, laminated quartz siltstone with subordinate interbedded fossiliferous shale, rare Cambrian fossils present, commonly silicified (Campan River Siltstone) (Psr). |
| | | Psd Shallow marine dolomite and minor limestone (Psd), rare interbedded pyritic black shale indicated (Esdn). |
| | EDUCABIAN | Psdn Silicified carbonate rocks, chert and clayey pug, derived from dolomite (Psdn). |
| | | Psvw Hematitic ironstone (Psvw). |
| | BLACKWATER SUBGROUP | Psb Massive and minor argillaceous, dominantly tholeiitic basalt (Psb, correlate of Stokes Creek Volcanics). |
| | | Psb Interbedded laminated mudstone, siltstone and siltaceous sandstone with mafic volcanic dykes (Psb). |
| | | Psb Dark grey to black siltstone and mudstone (Esb). |
| | | Psb Dolomitic breccia, with clasts of dolomite and chert in a dolomite matrix (Psb). |
| | | Psb Massive to well-laminated, shallow marine, locally stromatolitic dolomite (Esb). |
| | | Psb Interbedded, massive to banded or mottled black, white and grey chert, locally with coiled and stromatolitic features (Esb). |

| PERIOD | UNIT | DESCRIPTION |
|------------------|---|-------------|
| MESO-PROTEROZOIC | Erd Well-bedded, cross-bedded, mostly fine-grained quartzite and subordinate siltstone (Erd); interbedded pale to dark grey, thin wavy-laminated quartz siltstone indicated (Erdp). | |
| | Erc Interbedded black, grey or rarely green, locally pyritic, laminated siltstone and mudstone (Erc); some units of fossiliferous back to grey pyritic siltstone shown (Ercp). | |
| | Ercp Thick-bedded siltstone and very fine-grained quartz sandstone, with minor interbeds of dark grey mudstone; probably turbidites (Ercp). | |

INTRUSIVE ROCKS

| | |
|------|---|
| Erd | Alkali dolerite dykes containing titaniferous augite, amphibole and rare biotite (Erd). |
| Erdn | Tholeiitic dolerite dykes (Erdn). |
| Erdn | Undifferentiated dolerite dykes (Erdn). |

| 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 direction, 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 CODE 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. |
| • | Concentration mineral/industrial mineral/gemstone location. |

Geology by G.V. Cumming, B.Sc. (Hons), J.L. Everard, B.Sc. (Hons) and C.R. Calver, B.Sc. (Hons) (Pt IV) with acknowledgements to B.S. Seymour, B.Sc. (Hons) (Pt D) 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.S. & Ball, P.W. 1992. Geological atlas 1:50,000 series, Sheet 20 (7165), Woodhatch, Tasmania Department of Mines.

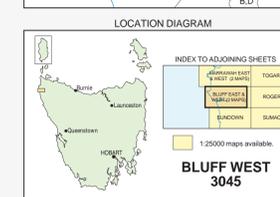
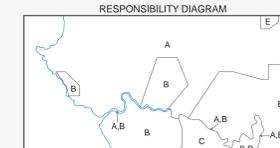
REFERENCE THIS MAP AS:
CUMMING G.V., EVERARD J.L. and CALVER C.R. 2014. Digital Geological Atlas 1:25 000 Scale Series, Sheet 3045 Bluff West, Mineral Resources Tasmania.

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Website: www.mrt.tas.gov.au



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

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