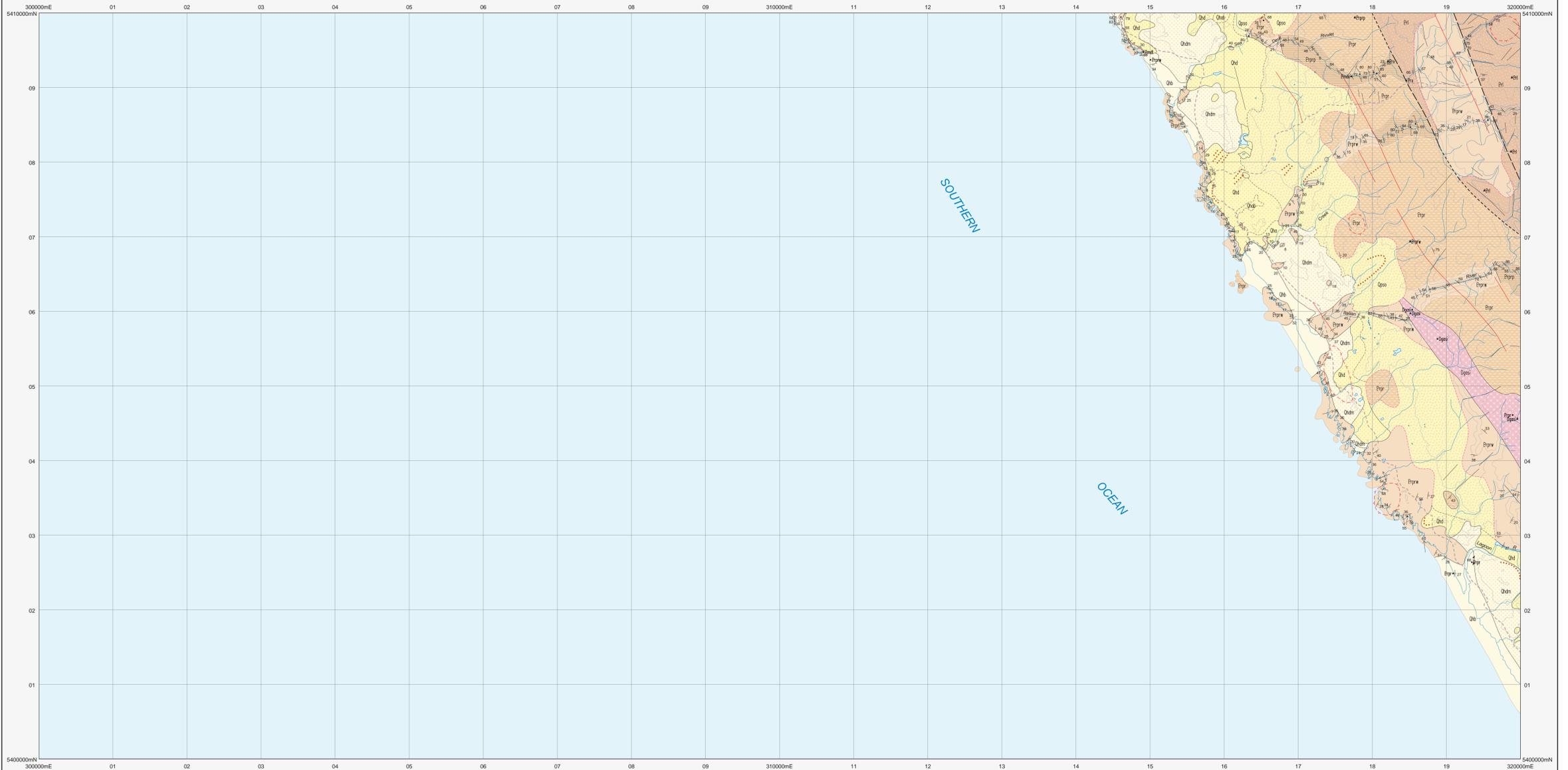


# JOHNSONS

Scale: 1:25 000



CENOZOIC	QUATERNARY	
	HOLOCENE	PLEISTOCENE
	Qha	Stream alluvium, swamp and marsh deposits (Qha).
	Qhab	Swamp and marsh deposits (Qhab).
	Qhb	Beach sand (Qhb).
	Qhdm	Mobile dune sand (Qhdm).
	Qhd	Dune sand (Qhd).
	Qpsa	Older aeolian sand and mixer clay, peat and gravel (Qpsa).
		Unconformity

MESOPROTEROZOIC	ECLASIAN	
	Ervi	Interbedded parallel- to trough cross-bedded orthoquartzite, medium-grained quartz sandstone, minor siltstone and rare quartz-pebble conglomerate and shale (Logan River Quartzite) (Ervi).
Erprp	Dominantly planar-laminated, locally pyritic, dark grey siltstone; lenses and guttercasts of cream quartz sandstone locally present (Erprp).	
Erprw	Dominantly thickly (>0.5-2mm) interlamated dark grey to green-grey siltstone and creeps to off-white very fine-grained quartz sandstone; moderately wavy to convolute laminae; interbeds (<0.5-0.05mm) of quartz sandstone and orthoquartzite locally present; pyrite crystals locally abundant (Erprw).	
Erprl	Dominantly wavy-laminated to thinly bedded dark grey siltstone and cream very fine-grained sandstone, with conchoidal to locally dominant lenses and interbeds of quartz sandstone and orthoquartzite (Erprl).	
Erpr	Dominantly siltstone of varied facies; upper sequences dominantly wavy- to cross-laminated finely alternating siliceous and carbonaceous siltstone merging downward into more varied sequence - typically interbedded mid-dark grey siltstone and pale grey quartz siltstone - fine sandstone, which may show planar-parallel bedding, well preserved erosional gullies, clastic dykes and grading, cross-lamination and timing of the quartz-rich beds (Pedder River Siltstone) (Erpr).	
	Matrix-supported fault breccia consisting of unsorted pebble-clasts of predominantly quartzite in a siliceous matrix (Erx).	

NEO-PROTEROZOIC  
PALEOZOIC  
LATE DEVONIAN

### IGNEOUS ROCKS

Dgsp	Medium- to coarse-grained, generally equigranular, biotite-muscovite-bearing monzonitic gneissogranite, with minor cordierite and rare garnet, and signed K-feldspar megacrysts in some places (Interview Granite; S-Type) (Dgsp).
• Erda	Alkali dolerite dykes (Erda).
Ermdt	Thaibitic dolerite dykes (Ermdt).
Ermd	Undifferentiated dolerite dykes (Ermd).

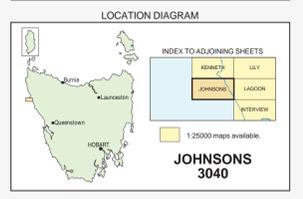
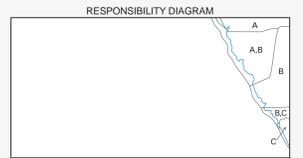
—	Geological boundary - position accurate or approximate.
- - - - -	Geological boundary - position inferred.
.....	Geological boundary - inferred from airborne radiometric data.
---	Fault - position accurate or approximate.
- - - - -	Fault - inferred.
—	Lineament visible on aerial photographs.
—	Lineament visible in airborne magnetic data.
—	Magnetic gradient or lineament (direction towards lower values indicated).
—	Dune crest.
—	Limit of mapping.
(white line)	Limit of mapping of sub-unit within undifferentiated rock unit.

↗	Strike and dip of bedding, facing unknown; right way up.
↘	Strike and dip of bedding, overturned.
↗↘	Strike and dip of cleavage of unspecified type and relative age, dipping vertical.
↗↘	Strike and dip of cleavage, relative local age S2.
↗↘	Trend and plunge of minor fold hinge line, unspecified relative age.
↗↘	Trend and plunge of hinge line of minor antiform, unspecified relative age.
↗↘	Trend and plunge of minor fold hinge line, unspecified relative age, vergence dextral; sinistral.
↗↘	Trend and plunge of kink-fold hinge line with dip and dip direction of axial surface, and sense of displacement viewed down-plunge: dextral.
↗↘	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 map.
•	Notable small outcrop with rock unit indicated.
▲	Notable small float or lag occurrence with rock unit indicated.

Compiled by J.L. Everard, B.Sc.(Hons), 2018 from the following sources (see responsibility diagram):  
A J.L. Everard, Field mapping 2016.  
B J.L. Everard, Field mapping 2003.  
C GEE, R.D., GULLINE, A.B., BRAVO, A.P. and GROVES, D.I. 1969 Geological Atlas 1:50,000 Series, Sheet 02 (7714A).  
Plum Hill Peaks, Department of Mines, Tasmania.

REFERENCE THIS MAP AS:  
EVERARD, J.L. (compiler) 2018, Digital Geological Atlas 1:25 000 Scale Series, Sheet 3040 Johnsons, Mineral Resources Tasmania.  
Base data from the LST, Copyright State of Tasmania.  
Map produced by Spatial Information Services, Mineral Resources Tasmania using G.I.S. software.  
Website: www.mrt.tas.gov.au  
GDAS4 - MGA Zone 55. Contour Interval: 20 metres.

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Plotfile for this map generated from digital data as at: 20-SEP-2018