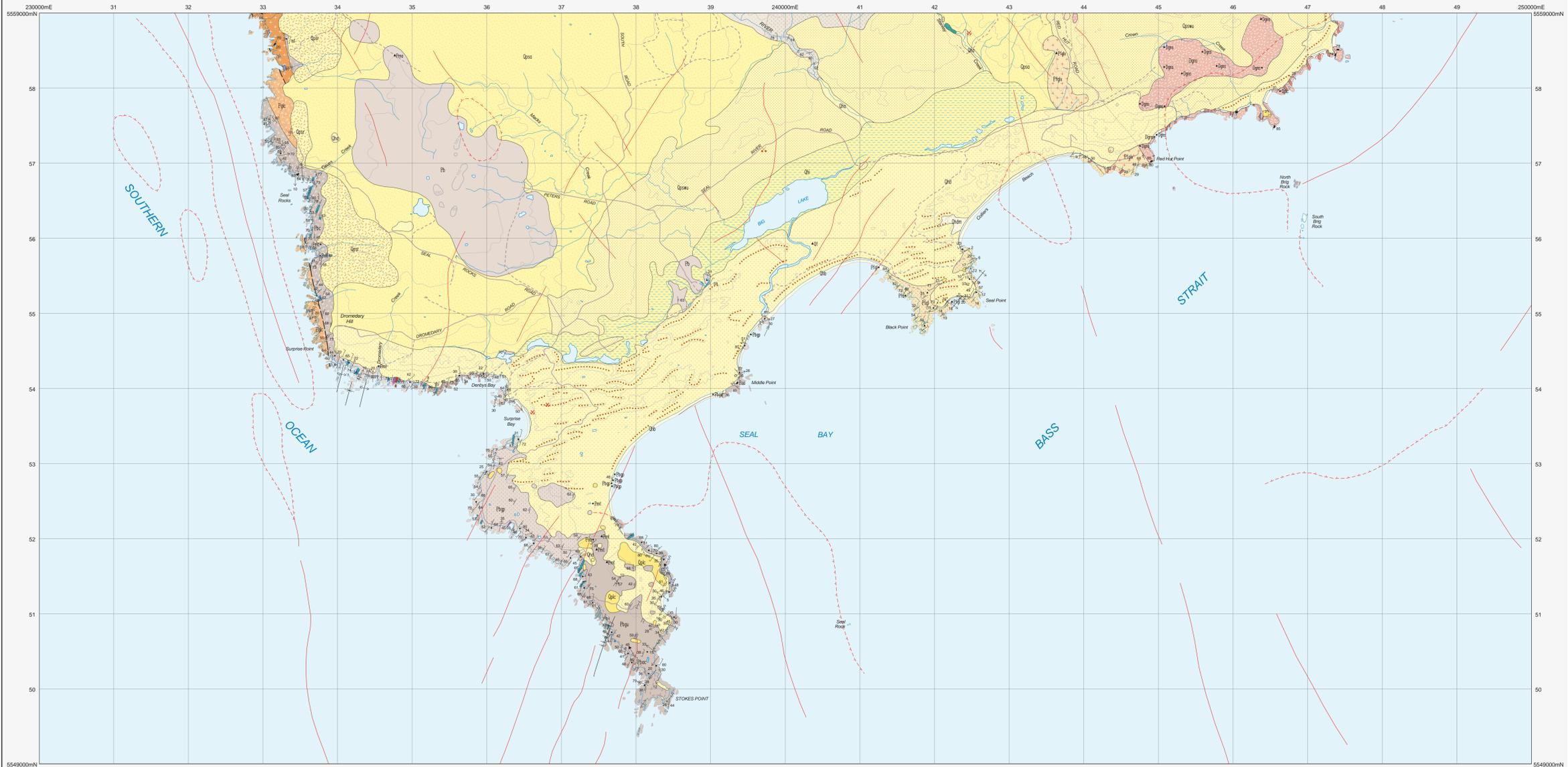


# STOKES SOUTH

Scale: 1:25 000



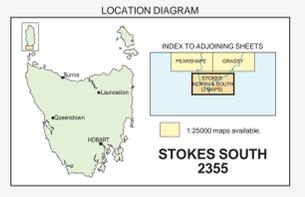
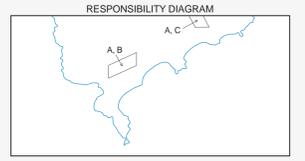
PERIOD	UNIT	DESCRIPTION
HOLOCENE	Ohb	Mobile beach and dune sand (Ohb).
	Ohdm	Mobile dune sand (Ohdm).
VEGETATED DUNE SAND (Ohv)	Ohv	Vegetated dune sand (Ohv); vegetated calcareous dune sand (Ohvc).
	Ohc	Stream alluvium and freshwater swamp and marsh deposits (Ohc).
LAGOON AND PARALIC SWAMP DEPOSITS (Ohi)	Ohi	Lagoon and paralic swamp deposits (Ohi).
	Ohiu	Older calcareous dune sand with locally abundant rhizomorph fragments (Ohiu).
SEAL BAY FORMATION	Qpsw	Older aeolian dune sand and minor clay, peat and gravel (Qpsw).
	Qpsa	Stabilised aeolian sand of coastal plain (Qpsa).
WELL-BEDED AEOLIAN CALCARENITE (Olf)	Olf	Well-bedded aeolian calcarenite (Olf) (Olfv).
	Olfv	transverse (Olf).
BIOLASTIC SHALLOW MARINE LIMESTONE (Olm)	Olm	Bioclastic shallow marine limestone (bioclast calcarenite) with a probable Early Miocene fauna (Olm).
	Olmv	Unconformity.

PERIOD	UNIT	DESCRIPTION
FRASER FORMATION	Eyb	Mafic volcanics and volcanoclastics (Eyv); contact metamorphosed (Eyvc).
	Eyvs	Undifferentiated sedimentary rocks of Grassy Group (Eyv); contact metamorphosed and metasomatised (Eyvs).
UNCONFORMITY	Eyb/Eyvs	Unconformity.
	Eyb/Eyvs	Unconformity.
SURPRISE BAY FORMATION	Efb	Strongly foliated mica schist, with local calcosilicate and mylonite (Efb).
	Efbv	Interbedded medium- to thick-bedded very fine-grained quartz sandstone and pelitic schist with metamorphic biotite +/- garnet (Efbv).
SANDSTONE	Efbv	Interbedded medium- to thick-bedded very fine-grained quartz sandstone and pelitic schist with metamorphic biotite +/- garnet (Efbv).
	Efbv	Interbedded medium- to thick-bedded very fine-grained quartz sandstone and pelitic schist with metamorphic biotite +/- garnet (Efbv).
SANDSTONE	Efbv	Interbedded medium- to thick-bedded very fine-grained quartz sandstone and pelitic schist with metamorphic biotite +/- garnet (Efbv).
	Efbv	Interbedded medium- to thick-bedded very fine-grained quartz sandstone and pelitic schist with metamorphic biotite +/- garnet (Efbv).

PERIOD	UNIT	DESCRIPTION
PALEOZOIC	Dnsg	Horstlands +/- biotite microgranodiorite dykes (thickness exaggerated) (Dnsg).
	Dnsg	Porphyritic (K-feldspar) to eugranular hornblende-biotite monzogranite, with common mafic enclaves (Sandstone Granite); +/- type dated at 3524 +/- 17 Ma, U-Pb SHRIMP on zircon (Dnsg).
NEOPROTEROZOIC	Eyb	Mafic volcanics and volcanoclastics (Eyv); contact metamorphosed (Eyvc).
	Eyvs	Undifferentiated sedimentary rocks of Grassy Group (Eyv); contact metamorphosed and metasomatised (Eyvs).
FRASER FORMATION	Eyb	Mafic volcanics and volcanoclastics (Eyv); contact metamorphosed (Eyvc).
	Eyvs	Undifferentiated sedimentary rocks of Grassy Group (Eyv); contact metamorphosed and metasomatised (Eyvs).
SURPRISE BAY FORMATION	Efb	Strongly foliated mica schist, with local calcosilicate and mylonite (Efb).
	Efbv	Interbedded medium- to thick-bedded very fine-grained quartz sandstone and pelitic schist with metamorphic biotite +/- garnet (Efbv).

SYMBOL	DESCRIPTION
Horizontal line	Horizontal bedding
Strike and dip symbol	Strike and dip of dominant joint set; vertical.
Strike and dip symbol	Strike and dip of vein; vertical.
Strike and dip symbol	Trend of dyke or vein; dip unknown.
Strike and dip symbol	Strike and dip of outcrop scale fault.
Strike and dip symbol	Strike and dip of cleavage; vertical; relative local age SI
Strike and dip symbol	Strike and dip of penetrative cleavage.
Strike and dip symbol	Strike and dip of crenulation cleavage; vertical.
Strike and dip symbol	Strike and dip of cleavage parallel to bedding; facing unknown.
Strike and dip symbol	Strike and dip of ductile shear band; vertical.
Strike and dip symbol	Strike and dip of mylonitic foliation or mylonite zone; vertical.
Strike and dip symbol	Strike and dip of ductile shear band; vertical.
Trend and plunge symbol	Trend and plunge of lineation of unspecified type.
Trend and plunge symbol	Trend and plunge of bedding / primary cleavage intersection lineation (LI).
Trend and plunge symbol	Trend and plunge of minor fold hinge line, with dip direction and dip of axial surface indicated; uniform horizontal.
Field station symbol	Field station for adjacent readings on map.
Mineral deposit symbol	Mineral deposit location - observed/assessing
Construction material symbol	Construction material/industrial - mineral/gemstone location

Compiled by J.L. Everard, B.Sc.(Hons), 2011 from the following sources (see responsibility diagram):  
A. J.L. Everard 1:25 000 scale geological mapping, 2008-2010.  
B. J.N. Jennings, 1959. The coastal geomorphology of King Island, Bass Strait, in relation to changes in the relative level of the land and sea. Records of the Queen Victoria Museum, Launceston, New Series No. 11.  
C. S.G. Brown, 1976. Progress report on the exploration of the Grassy Granite contact zone. Geopetrol Limited, TCR75-1076.



**REFERENCE THIS MAP AS:**  
EVERARD J.L. (compiler) 2011. Digital Geological Atlas 1:25 000 Scale Series, Sheet 2355 Stokes. 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  
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