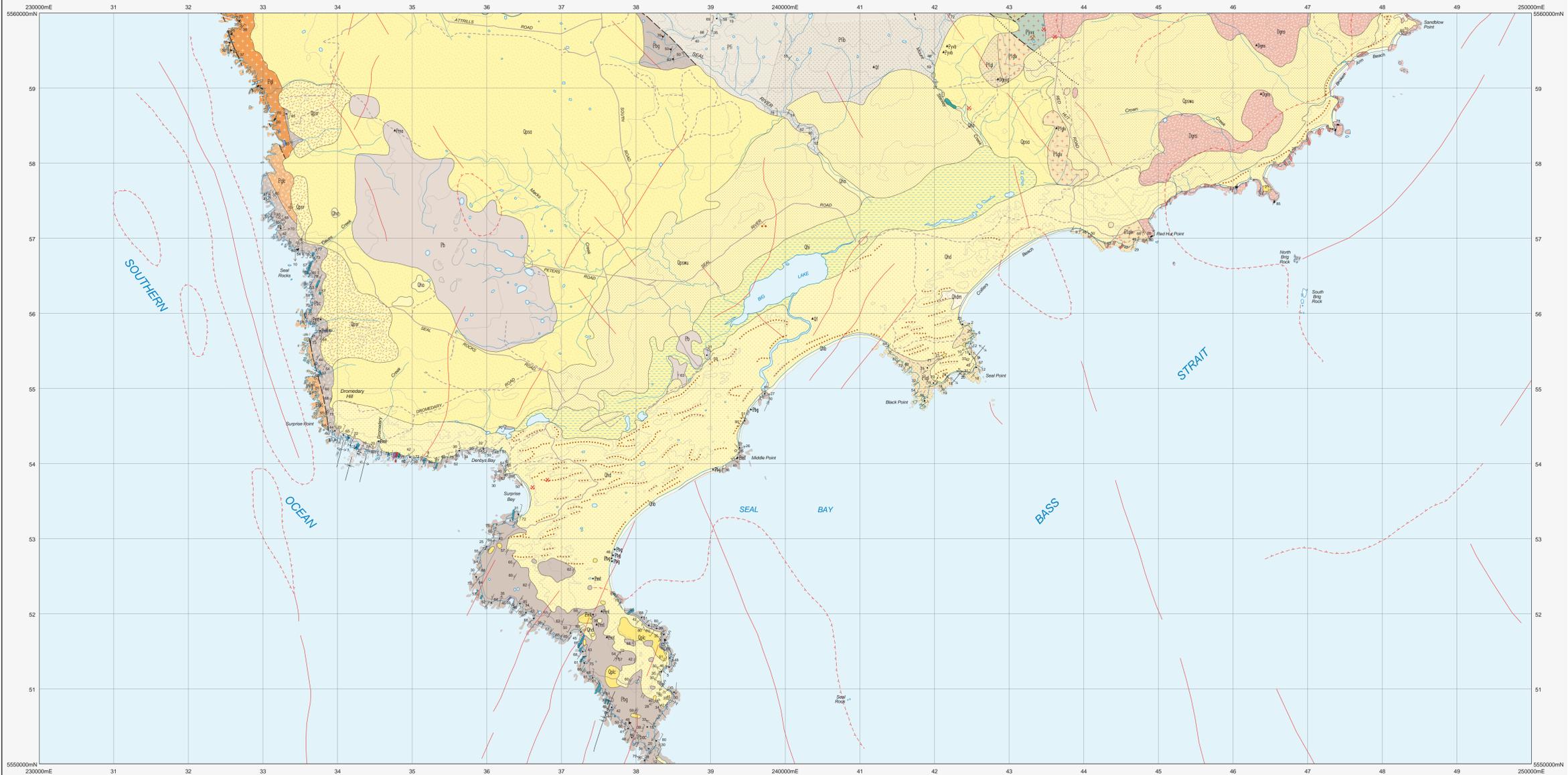


STOKES NORTH

Scale: 1:25 000



PERIOD	UNIT	DESCRIPTION
CENOZOIC	Qhb	Mobile beach and dune sand (Qhb).
	Qhdm	Mobile dune sand (Qhdm).
QUATERNARY	Qhd	Vegetated dune sand (Qhd); vegetated calcareous dune sand (Qhd).
	Qha	Stream alluvium and freshwater swamp and marsh deposits (Qha).
PLEISTOCENE	Qh	Lagoon and paralic swamp deposits (Qh).
	Qpsw	Older calcareous dune sand with locally abundant rhizomorph fragments (Qpsw).
NEOGENE	Qps	Older aeolian dune sand and minor clay, peat and gravel (Qps).
	Qpc	Well-bedded aeolian calcarenite (thinned calcareous dune sand "sandstone") (Qpc).
MIOCENE	Qf	Ironstone (Qf).
	Tmb	Biohermal shallow marine limestone (brassy calcarenite) with a probable Early Miocene fauna (Tmb).

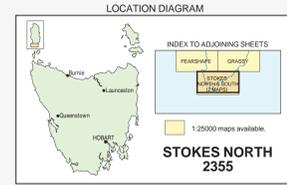
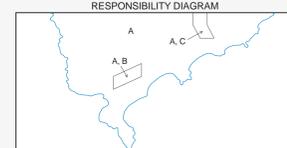
PERIOD	UNIT	DESCRIPTION
NEOPROTEROZOIC	Eyv	Mafic volcanics and volcanoclastics (Eyv); contact metamorphosed (Eyyv).
	Eys	Undifferentiated sedimentary rocks of Grassy Group (Eys); contact metamorphosed and metasomatised (Eys).
MESOPROTEROZOIC	Blq	Massive silty metapelite with amphibole (tremolite-actinolite) porphyroblasts (Blq).
	Pt	Pale grey quartzite metapelites, very fine-grained metasediments and minor pelitic siltstones, laminated in most blocks, commonly with metamorphic chlorite, biotite and garnet (Pt); contact metamorphosed (Ptq).
EDICARAN	Pt	Interbedded quartzite siltstone and dark grey siltstone, with metamorphic biotite and chlorite.
	Pt	Interbedded quartzite siltstone and dark grey siltstone (Pt).
FRASER FORMATION	Eba	Banded schist with tremolite porphyroblasts and metamorphic garnet and biotite (Eba) schist with abundant siliceous concretions (2-10 cm diameter) and tremolite porphyroblasts in matrix (Eba).
	Ebg	Schist, metasediment and metasediment with metamorphic andalusite, garnet and biotite (Ebg).
SURPRISE BAY FORMATION	Ebb	Schist, metasediment and metasediment with metamorphic biotite (Ebb).
	Ebc	Strongly foliated mica schist, with local catolactite and mylonite (Ebc).

PERIOD	UNIT	DESCRIPTION
PALEOZOIC	Dnsg	Horstlands +/- bathic microgranodiorite dykes (thickness exaggerated) (Dnsg).
	Dgrs	Porphyritic (K-feldspar) to equigranular hornblende-biotite monzonite, with common mafic enclaves (Sandblow Granite); types dated at 3524 +/- 17 Ma, 3-26 Sandblow on zircon (Dgrs).
NEOPROTEROZOIC	Eyv	Mafic volcanics and volcanoclastics (Eyv); contact metamorphosed (Eyyv).
	Eys	Undifferentiated sedimentary rocks of Grassy Group (Eys); contact metamorphosed and metasomatised (Eys).
FRASER FORMATION	Eyb	Chloritized plagioclase intrusion in Fraser Formation (Eyb).
	Eys	Metabasite intrusions in Fraser Formation (Eys).
SURPRISE BAY FORMATION	Ema	Tholeiitic dolerite dykes in Loara Granite (thickness exaggerated) (Ema).
	Ema	Alkaline dolerite sills in Surprise Bay Formation (thickness exaggerated) (Ema).

SYMBOL	DESCRIPTION
—	Geological boundary - position accurate or approximate.
- - -	Geological boundary - concealed.
- · - · -	Metamorphic boundary - position approximate.
- - - - -	Fault - unspecified type, position accurate or approximate.
- · - · -	Fault - unspecified type, inferred.
- · - · -	Fault - unspecified type, concealed.
— · — · —	Lineament visible in airborne magnetic data.
— · — · —	Magnetic gradient or lineament (direction towards lower values indicated).
— · — · —	Dune crest.
— · — · —	Axial surface trace of major antiform.
— · — · —	Axial surface trace of major synform.
— · — · —	Axial surface trace of major overturned synform.
— · — · —	Limit of mapping.
(white line)	Limit of mapping of sub-unit within undifferentiated rock unit.

SYMBOL	DESCRIPTION
— · — · —	Strike and dip of bedding - right way up; vertical, facing indicated by single 1/c; overturned; facing unknown; vertical.
— · — · —	Horizontal bedding.
— · — · —	Strike and dip of dominant joint set; vertical.
— · — · —	Strike and dip of vein; vertical.
— · — · —	Trend of dyke or vein; dip unknown.
— · — · —	Strike and dip of outcrop scale fault.
— · — · —	Strike and dip of cleavage; vertical; relative local age SI.
— · — · —	Strike and dip of penetrative cleavage.
— · — · —	Strike and dip of crenulation cleavage; vertical.
— · — · —	Strike and dip of cleavage parallel to bedding, facing unknown.
— · — · —	Strike and dip of metamorphic foliation other than cleavage.
— · — · —	Strike and dip of cataclastic foliation; vertical.
— · — · —	Strike and dip of mylonitic foliation or mylonite zone; vertical.
— · — · —	Strike and dip of ductile shear band; vertical.
— · — · —	Trend and plunge of lineation of unspecified type.
— · — · —	Trend and plunge of bedding / primary cleavage intersection lineation (LI).
— · — · —	Trend and plunge of crenulation lineation.
— · — · —	Trend and plunge of minor fold hinge line, with dip direction and dip of axial surface indicated; uniform; horizontal.
— · — · —	Trend and plunge of minor fold hinge line, unspecified relative age, vergence distinct; vergence sinistral; relative local age /2.
— · — · —	Trend and plunge of minor fold hinge line, unspecified relative age, vergence sinistral.
— · — · —	Notable small outcrop.
— · — · —	Field station for adjacent readings on map.
— · — · —	Mineral deposit location - hardrock.
— · — · —	Mineral deposit location - alluvial/alluvial.
— · — · —	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.

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GDA84 - MGA Zone 55. Contour Interval: 20 metres.



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