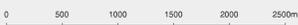
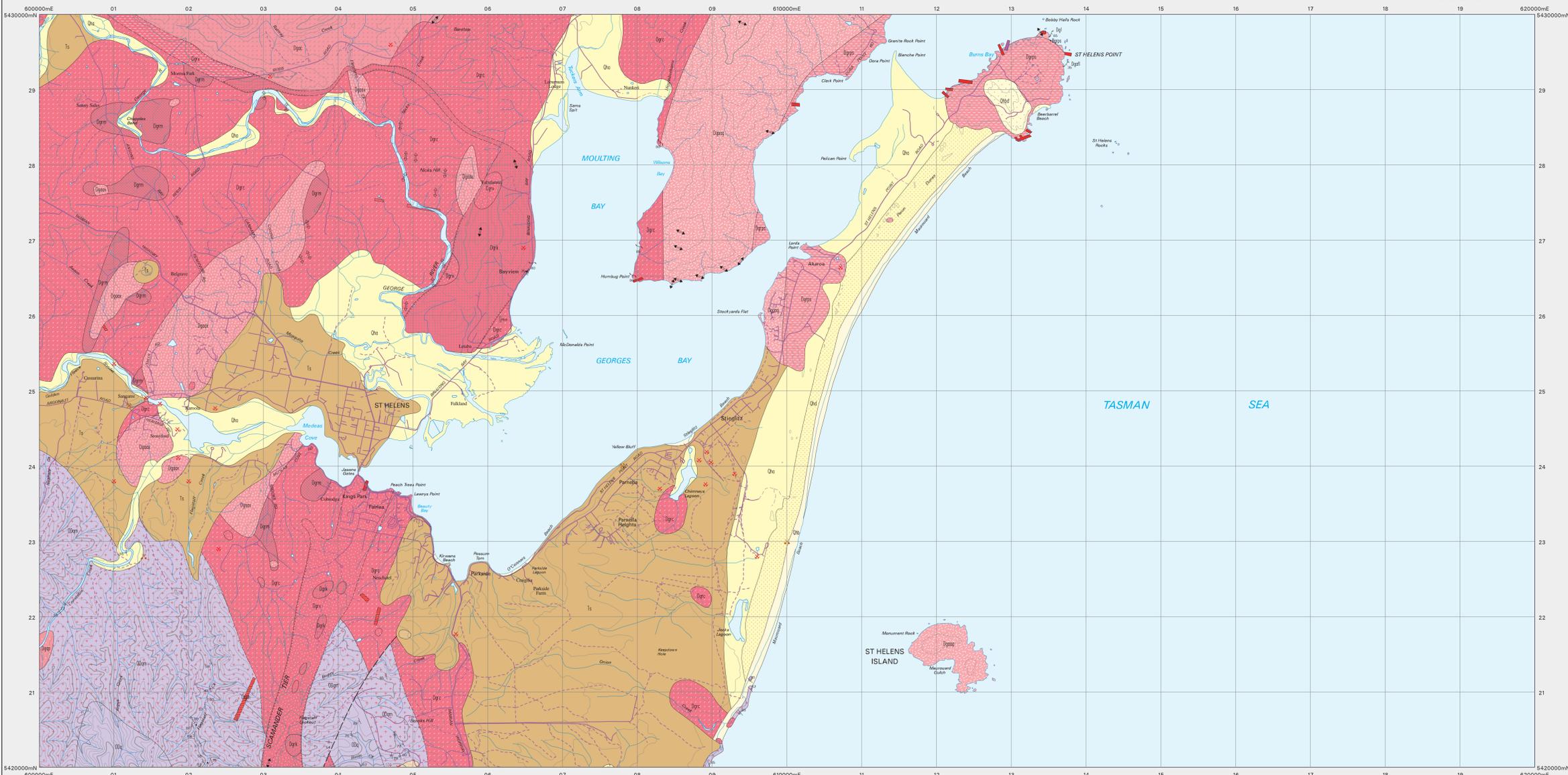


ST HELENS

Scale: 1:25 000



MINERAL RESOURCES TASMANIA
DIGITAL GEOLOGICAL ATLAS 1:25 000 SERIES
ST HELENS, SHEET 6042



QUATERNARY	
Qha	Stream alluvium, swamp and marsh deposits (Qha).
Qhb	Active dune and beach sand and beach gravel (Qhb); beach sand (Qhs); dune sand (Qhd).
Qhc	Clay, sand and gravel with minor peat. May have ferruginous cement and contain marine shells (Qhc).
Qhd	Erosion surface
TERTIARY	
Ts	Conglomerate, gravel, sand and derived lag (Ts); Sikeite (Tsp).
Tql	Gravel, sand and derived lag (Tql).
	Erosion surface
EARLY DEVONIAN (SILURIAN?) (ORDOVICIAN?)	
DDq	Quartzite turbidite sequence of interbedded sandstone, siltstone and mudstone (DDq); contact metamorphosed by granitic intrusion (DDqm).
DEVONIAN(?)	
Dd	Dolerite (Dd).
IGNEOUS ROCKS	
MINOR GRANITIC INTRUSIONS	
Dgf	Quartz-feldspar porphyry (Dgf).
DEVONIAN	
Dgh	Quartz-plagioclase-hornblende porphyry (Dgh).
Dgpl	Leucocratic muscovite granite (Dgpl).

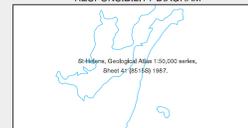
MAJOR GRANITIC INTRUSIONS	
Dgag	Very abundantly porphyritic with small K-feldspar phenocrysts, medium- to coarse-grained biotite granite (Dgag).
Dgaa	Fine- to coarse-grained biotite adamellite (Dgaa).
Dgap	Porphyritic to xenitic to equigranular coarse-grained biotite-minor muscovite adamellite (Dgap); generally fine-grained coarse-grained biotite-minor muscovite adamellite to alkali-feldspar granite with abundant minor intrusions of fine-grained pink biotite granite (Dgap).
Dgk	Variably porphyritic coarse- to fine-grained biotite-hornblende granodiorite (Dgk); with very abundant large K-feldspar phenocrysts and minor or no hornblende (Dgk); with very abundant Mafhino Group xenoliths (Dgk).
Dgms	Sparsely porphyritic medium- to coarse-grained biotite granodiorite (Dgms).
Dgr	Sparsely porphyritic coarse-grained biotite-hornblende granodiorite (Dgr); where obliterated coarse-grained monzonite to monzonite (Dgrm).

—	Geological boundary - position accurate or approximate.
- - -	Unconformable boundary, position accurate or approximate.
- - - - -	Intrusive boundary, position accurate or approximate.
- - - - -	Intrusive boundary with associated chilled or fine-grained marginal zone in igneous rock.

↘ ↙	Strike and dip of bedding - right way up; overturned; facing unknown.
⊥	Strike of vertical bedding, facing unknown.
↖ ↗	Strike and dip of cleavage of unspecified type and relative age.
↖ ↗	Strike and dip of foliation due to alignment of K-feldspar phenocrysts in granitic rock.
↖ ↗	Trend of preferred orientation of K-feldspar phenocrysts in granitic rock.
↖ ↗	Trend of preferred orientation of hornblende and/or biotite in granitic rock.
↖ ↗	Strike and dip of dyke or vein, rock type or mineral specified by RCODE in Point Attribute Table.
⊗	Mineral deposit location - hardrock - Data derived from Mineral Resources Tasmania DEPOSITS data base. Data point position has not been verified in every case.
⊗	Mineral deposit location - alluvial - Data derived from Mineral Resources Tasmania DEPOSITS data base. Data point position has not been verified in every case.
⊗	Construction materials location - Data derived from Mineral Resources Tasmania DEPOSITS data base. Data point position has not been verified in every case.

Geology based on:
MacLennan, M.P., Turner, N.J., Williams, P.S.
Geological Atlas 1:50 000 series, Sheet 61 (BESS):
St Helens 1987. Department of Mines, Tasmania.
Compiled by M.P. MacLennan.

RESPONSIBILITY DIAGRAM



LOCATION DIAGRAM



Base data from the LIST, Copyright State of Tasmania.
Map produced by the Data Management Branch of Mineral Resources Tasmania using GIS software.
AID66 - AMG Zone 55. Contour Interval: 20 metres.
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