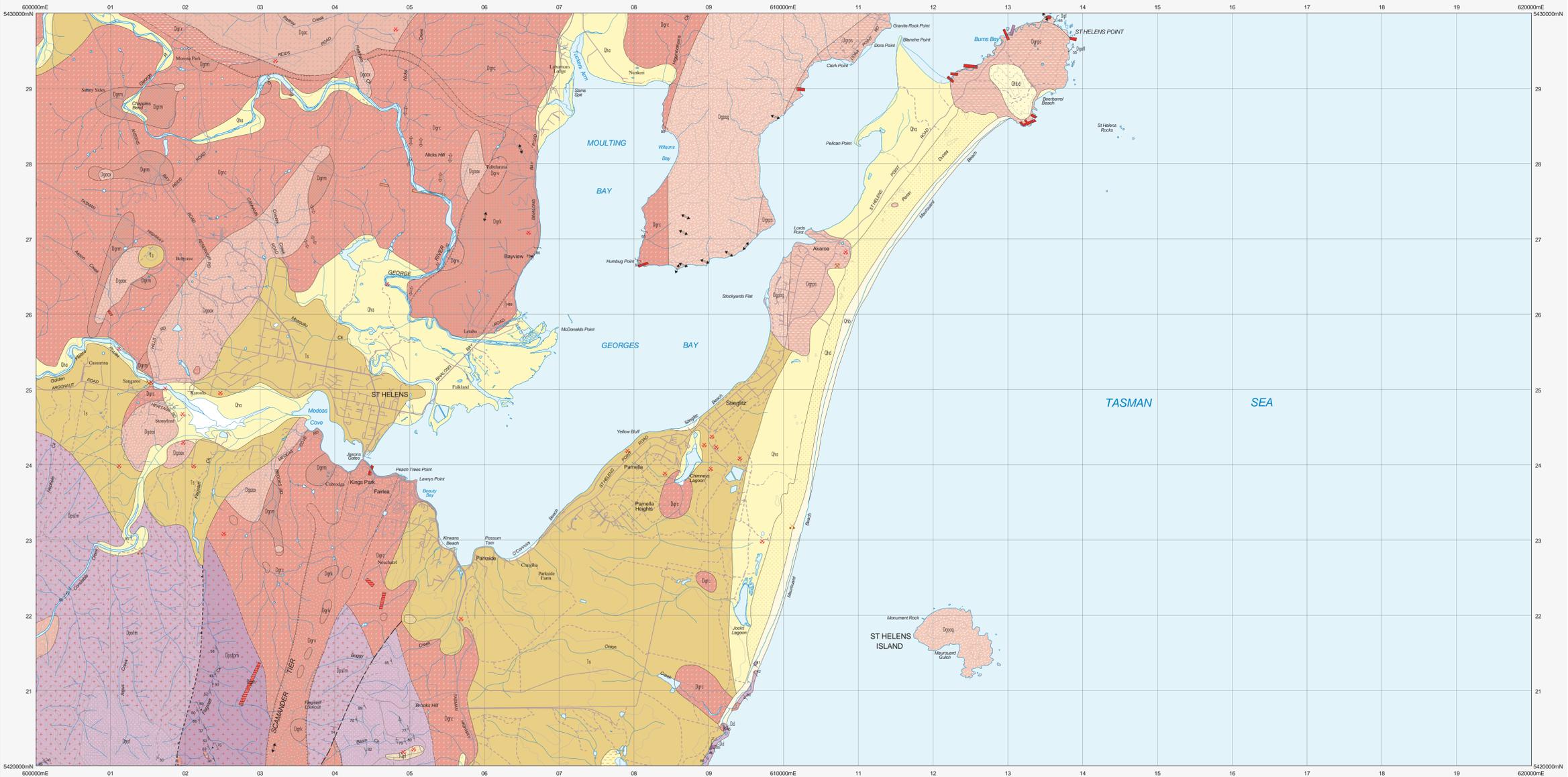


ST HELENS

Scale: 1:25 000



CENOZOIC	
QUATERNARY	
Qha	Stream alluvium, swamp and morah deposits (Qha).
Qhd	Active dune and beach sand and beach gravel (Qhd); beach sand (Qhd); dune sand (Qhd).
Qsc	Clay, sand and gravel with minor peat. May have ferruginous cement and contain marine shells (Qsc).
Qspc	Erosion surface.
PALEOCENE-NEOGENE	
Ts	Conglomerate, gravel, sand and derived lag (Ts); Siletite (Tsp).
Tqp	Gravel, sand and derived lag (Tqp).
Erosion surface.	
PALEOZOIC	
DEVONIAN	
Dpsf	Tabular succession dominated by quartz-rich sandstones with minor siltstone and mudstone. Current related sedimentary structures abundant. Contains Devonian marine microfossils, graptolites and vascular plant fossils (Dpsf). Contact metamorphosed (Dpsf) (Dpsfm).
Dpsfm	
Dpsfp	Mappable muscovite-rich units within Dpsf (Dpsfp). Contact metamorphosed (Dpsfp) (Dpsfpm).
Dpsfpm	Dpsfpm - Scamander Tier Formation.
PALEOZOIC	
DEVONIAN	
Dd	Dolerite (Dd).
MINOR GRANITIC INTRUSIONS	
Dgt	Quartz-feldspar porphyry (Dgt).
Dgph	Quartz-pagioclase-hornblende porphyry (Dgph).
Dgpl	Leucocratic muscovite granite (Dgpl).
BLUE TIER BATHOLITH	
Dgpp	Medium- to coarse-grained, very porphyritic (small K-feldspar phenocrysts) monzonite (Dgpp) (Grant Point granite, i-type).
Dgrv	Coarse- to fine-grained, variably porphyritic granodiorite (Dgrv).
Dgrx	Variety with very abundant Mathinna Supergroup xenoliths (Dgrx).
Dgrk	Coarse- to fine-grained, porphyritic (very abundant large K-feldspar phenocrysts) granodiorite, with minor or no hornblende (Dgrk) (Dgrv, Dgrx, Dgrk - Scamander Tier Granodiorite, i-type).
Dgpc	Coarse-grained, porphyritic, to sparse to equigranular biotite-minor muscovite monzonite (Dgpc) (Mt Pearson granite, i-type).
Dgpp	Coarse-grained, generally pink porphyritic, to sparse to equigranular biotite-minor muscovite syenogranite/alkali feldspar granite, with abundant minor inclusions of fine-grained pink biotite granite (Dgpp) (Constable Creek phase of Mt Pearson Granite).
Dgpo	Fine- to coarse-grained biotite syenogranite/monzonite (Dgpo) (Medea Cove Granite).
Dgpr	Medium- to coarse-grained biotite granodiorite (Dgpr) (Akaroa Granodiorite, i-type).
Dgrc	Coarse-grained, sparsely porphyritic, biotite-hornblende granodiorite (Dgrc) (George River Granodiorite, i-type).
Dgrm	Coarse-grained monzonite/monzonite (Dgrm) ("Priory Monzonite", abraded variant of George River Granodiorite).

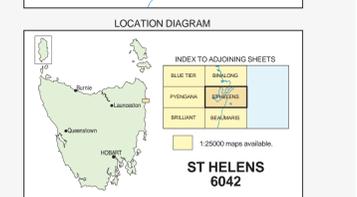
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- Unconformable boundary, position accurate or approximate.
- Intrusive boundary, position accurate or approximate.
- Intrusive boundary, with associated chilled or fine-grained marginal zone in igneous rock.
- Metamorphic boundary - position accurate or approximate.
- Fault - position accurate or approximate.
- Thrust fault (teeth on upper plate) - inferred.
- Limit of mapping.
- Strike and dip of bedding - right way up; overturned; facing unknown.
- Strike of vertical bedding, facing unknown.
- Strike and dip of foliation of unspecified type and relative age.
- Strike and dip of foliation in granitic rock.
- Trend of preferred orientation of K-feldspar phenocrysts in granitic rock.
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- Trend of preferred orientation of hornblende and/or biotite in granitic rock.
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- Strike and dip of dyke or vein, rock type or mineral specified by CODE in Point Attribute Table.
- Trend and plunge of hinge line of recited minor fold, unspecified relative age, vergence distal.
- Notable small outcrop, with rock type indicated.
- Field station for adjacent readings on the map.
- Mineral deposit location - hardrock.
- Mineral deposit location - alluvial/tailings.
- Construction material/industrial mineral/gemstone location.

Compiled by M.P. McLennaghan, B.Sc.(Hons), Ph.D., 2002 from the following source (see responsibility diagram):
A. McLennaghan, M.P., Turner, N.J., Williams, P.R. 1987. Geological Atlas 1:50 000 Series, Sheet 61 (89153), St Helens, Tasmania Department of Mines.



REFERENCE THIS MAP AS:
McLennaghan, M.P. (compiler) 2002. Digital Geological Atlas 1:25 000 Scale Series, Sheet 6042 St Helens, Mineral Resources Tasmania.
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GDA84 - MGA Zone 55. Contour Interval: 20 metres.
GDA
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