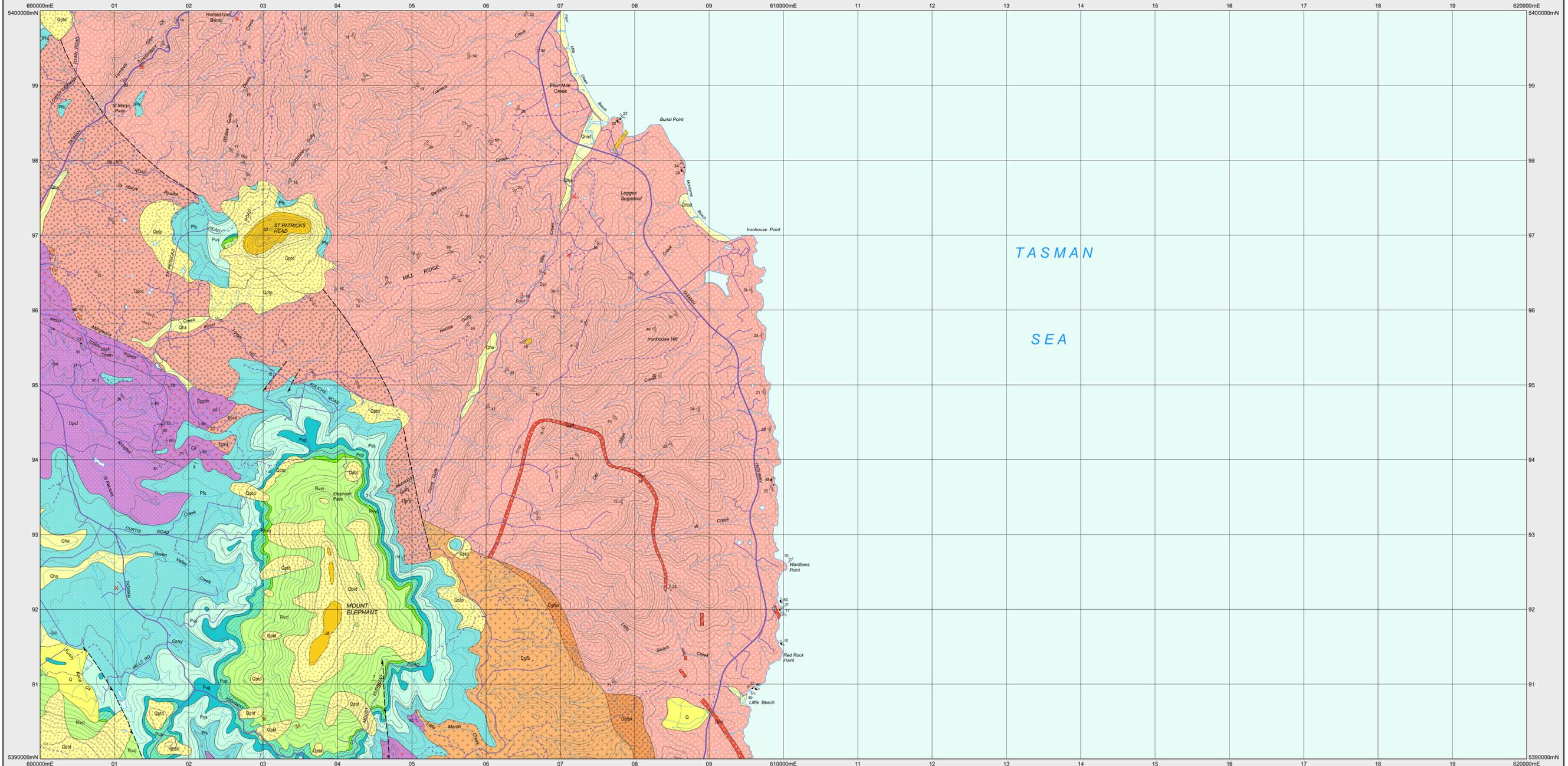


IRONHOUSE

Scale 1:25 000



TASMAN

SEA

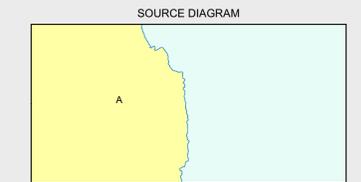
CENOZOIC	
QUATERNARY	
PLEISTOCENE - HOLOCENE	
Qha	Undifferentiated Quaternary sediments (Q). Stream alluvium, swamp and marsh deposits (Qha).
Qhbd	Active dune and beach sand and beach gravel (Qhbd).
Qhsl	Sand, gravel and clay occasionally with ferruginous cement (Qhsl).
Qpdt	Talus consisting dominantly of dolerite boulders (Qpdt).
Qpht	Talus, dominantly Upper Permian quartz sandstone (Qpht).
Qpbt	Talus, dominantly Lower Permian rocks (Qpbt).
Erosional surface.	
MESOZOIC	
TRIASSIC	
Rvcl	Dominantly lithic sandstone with minor mudstone and coal (Rvcl).
Rrvq	Dominantly quartz sandstone (Rrvq).
Rb	Alkali olivine basalt (Rb).
Erosional surface.	
PALEOZOIC	
PERMIAN	
Pup	Poorly sorted grey mudstone, siltstone and rare sandstone, unfossiliferous except for rare forams (Pup).
Pog	Thickly bedded usually poorly sorted sandstone passing upwards into interbedded sandstone, siltstone and mudstone; marine fossils abundant in places (Pog).
Pus	Marine limestone, calcareous mudstone and sandstone; usually richly fossiliferous (Pus).
Pts	Dominantly well sorted quartz sandstone, usually cross-bedded and commonly with interbedded and interlamated carbonaceous shale, lesser conglomerate and rare coal (Pts).
Unconformity.	

PALEOZOIC	
DEVONIAN	
LOWER DEVONIAN	
Dpr	Porphyry with phenocrysts of plagioclase, quartz, biotite, K-feldspar, hypersthene and augite in a very fine-grained groundmass; single cooling unit of rhyolite, with sporadic basal rhyolitic pyroclastics (Dpr).
Dprl	Lithic-rich layers within porphyry (Dprl). (Dpr, Dprl - St Marys Porphyry).
Dpft	Turbidite succession dominated by quartz-rich sandstones with minor siltstone and mudstone. Current related sedimentary structures abundant. Contains Devonian marine macrofossils, graptolites and vascular plant fossils (Dpft).
Dpftm	Contact metamorphosed Dpft (Dpftm). (Dpftm - Scamander Formation).
MESOZOIC	
JURASSIC	
Jd	Dolerite and related rocks (Jd).
BLUE TIER BATHOLITH AND COEVAL EXTRUSIVE ROCKS	
DEVONIAN	
MIDDLE DEVONIAN	
Dgbs	Generally coarse-grained, equigranular to sparsely porphyritic (K-feldspar) biotite-hornblende-trace pyroxene monzonite (Dgbs).
Dgbsx	Medium-grained, sparsely porphyritic quartz diorite with abundant fine-grained mafic enclaves and sparse hornfels xenoliths (marginal phase of Dgbs). (Dgbs, Dgbsx - Picanniny Creek Granite; 1:100).
Dprl	Lithic-rich layers within porphyry (Dprl).
Dpr	Porphyry with phenocrysts of plagioclase, quartz, biotite, K-feldspar, hypersthene and augite in a very fine-grained groundmass; single cooling unit of rhyolite, with sporadic basal rhyolitic pyroclastics (Dpr).
Dpft	Microgranodiorite feeder dyke (Dpft).
Dpftm	Coarse-grained porphyritic granite, with abundant phenocrysts of K-feldspar, and plagioclase, quartz, biotite and hornblende (possible ralls or small intrusions within Dpftm) (Dpftm).

LOWER DEVONIAN
MIDDLE DEVONIAN
UPPER DEVONIAN
LOWER PERMIAN
UPPER PERMIAN
SUPERPERMIAN

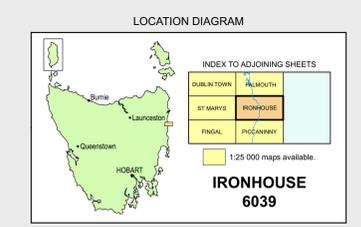
CONTACTS	
—	Geological contact.
—	Unconformable lithological contact.
—	Igneous intrusive contact.
—	Limit of detailed mapping.
FAULTS	
—	Fault.
—	Normal fault (dowthrown side indicated).

—	Strike and dip of bedding - right way up, facing unknown.
—	Strike and dip of cleavage of unspecified type and relative age.
—	Strike and dip of mafic schlieren associated with granitic rock.
—	Strike and dip of foliation due to alignment of hornblende and/or biotite in granitic rock.
—	Trend of preferred orientation of hornblende and/or biotite in granitic rock.
•	Field station for adjacent readings on the map.
✕	Mineral deposit location - hardrock.
✕	Construction material/industrial mineral/gemstone location.



- Highly detailed (eg. more detailed than 1:25 000 scale mapping).
- Detailed systematic (eg. 1:25 000 map or equivalent detail).
- Regional systematic (eg. 1:50 000, 1:63 360 map or equivalent detail).
- Regional mapping less detailed than 1:63 360 map or equivalent (all other scales).
- Reconnaissance mapping with sparse ground traverses.
- Remote sensing and/or geophysical interpretation with limited or no ground information.

Compiled by D.C. Green, B.Sc.(Hons), Ph.D., 2006 from the following sources (see source diagram).
A TURNER, N.J., CALVER, C.R., CASTLEDEN, R.H. and BALLIE, P.W. 1984. Geological Atlas 1:50 000 Series, Sheet 49 (8514N), St Marys.



REFERENCE THIS MAP AS:
GREEN, D.C. (compiler) 2006. Digital Geological Atlas 1:25 000 Scale Series, Sheet 6039 Ironhouse, Mineral Resources Tasmania.
Base data from the LIST, Copyright State of Tasmania.
Map produced by Spatial Information Services, Mineral Resources Tasmania.
Website: www.mrt.tas.gov.au
GDA94 - MGA Zone 55. Contour Interval: 20 metres.

While every care has been taken in the preparation of this data, no warranty is given as to the correctness of the information and no liability is accepted for any statement or opinion or for any error or omission. No reader should act or fail to act on the basis of any material contained herein. Readers should consult professional advisers. As a result the Crown in Right of the State of Tasmania and its employees, contractors and agents expressly disclaim all and any liability (including all liability from or attributable to any negligent or wrongful act or omission) to any persons whatsoever in respect of anything done or omitted to be done by any such person in reliance whether in whole or in part upon any of the material in this data. Crown copyright reserved.