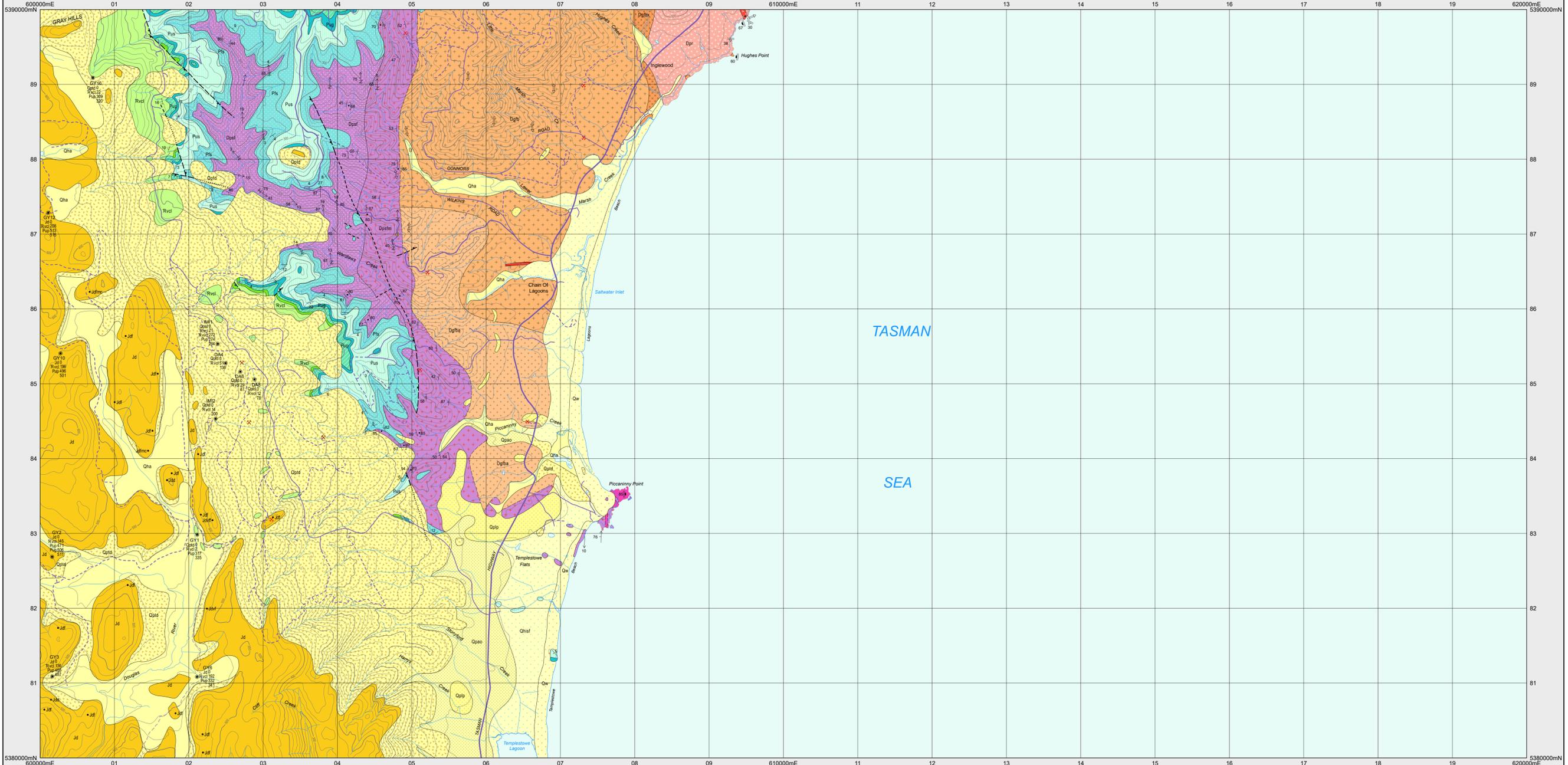


PICCANINNY

Scale 1:25 000



ERAS	PERIODS	ROCK UNITS	DESCRIPTIONS
CENOZOIC	QUATERNARY	Qha	Stream alluvium, swamp and marsh deposits (Qha).
		Qw	Aeolian deposits and locally derived sand (Qw).
		Qhsf	Sand, gravel and clay occasionally with ferruginous cement (Qhsf).
		Qpld	Talus consisting dominantly of dolerite boulders (Qpld).
		Qplp	Lag deposit derived from sand and gravel beds consisting of well sorted quartz and detritus from Permian Supergroup and older rocks (Qplp).
MESOZOIC	TRASSIC	Rvcl	Dominantly lithic sandstone with minor mudstone and coal (Rvcl).
		Rrvq	Dominantly quartz sandstone (Rrvq).
PALEOZOIC	PERMIAN	Pup	Poorly sorted grey mudstone, siltstone and rare sandstone, unfossiliferous except for rare forams (Pup).
		Pvg	Thickly bedded usually poorly sorted sandstone passing upwards into interbedded sandstone, siltstone and mudstone. Marine fossils abundant in places (Pvg).
		Pus	Marine limestone, calcareous mudstone and sandstone: usually richly fossiliferous (Pus).
		Pfs	Dominantly well sorted quartz sandstone, usually cross-bedded and commonly with interbedded and interlaminated carbonaceous shale lesser conglomerate and rare coal (Pfs).

ERAS	PERIODS	ROCK UNITS	DESCRIPTIONS
PALEOZOIC	DEVONIAN	Dpr	Porphyry with phenocrysts of plagioclase, quartz, biotite, K-feldspar, hypersthene and augite, in a very fine-grained groundmass, single cooling unit of rhyodacite, with sporadic basal rhyolitic pyroclastics (Dpr).
		Dpsf	Turbidite succession dominated by quartz-rich sandstone with minor siltstone and mudstone. Current related sedimentary structures abundant. Contains Devonian marine macrofossils, graptolites and vascular plant fossils (Dpsf). Contact metamorphosed Dpsf (Dpsfm).
MESOZOIC	JURASSIC	Jd	Dolerite and related rocks (Jd), containing late aphanitic dykes (Jdy); very fine-grained (1.0-0.7mm) (Jdyf); fine-grained (0.7-1.5mm) (Jdyt); fine- to coarse-grained (>0.7mm) (Jdmc).
		Dgph	Quartz-feldspar-biotite-hornblende porphyry (Dgph).
PALEOZOIC	DEVONIAN	Dgbs	Generally coarse-grained equigranular to sparsely porphyritic (K-feldspar) biotite-hornblende-feldspar pyroxene monzogranite (Dgbs); with apite intrusions (Dgbsa).
		Dgpb	Medium-grained, sparsely porphyritic quartz diorite with abundant fine-grained mafic enclaves and sparse hornfels xenoliths (intergranular phase of Dgbs) (Dgpb).
		Dgpf	Porphyry with phenocrysts of plagioclase, quartz, biotite, K-feldspar, hypersthene and augite, in a very fine-grained groundmass, single cooling unit of rhyodacite, with sporadic basal rhyolitic pyroclastics (Dpr).
PALEOZOIC	DEVONIAN	Dgrf	Coarse-grained, equigranular to medium-grained, sparsely porphyritic (feldspar) hornblende-biotite-minor pyroxene granodiorite with very common mafic enclaves (Dgrf) (Long Point Granodiorite; t-type; at Piccaninny Point on this sheet).

CONTACTS	FAULTS
Geological contact.	Strike and dip of bedding right way up; overturned; facing unknown.
Unconformable lithological contact.	Strike of vertical bedding, facing unknown.
Igneous intrusive contact.	Strike and dip of cleavage of unspecified type and relative age.
Limit of mapping of sub-unit within undifferentiated rock unit.	Trend and plunge of minor fold hinge line, unspecified relative age; with dip and dip direction of axial surface, with vertical axial surface.
Limit of detailed mapping.	Trend and plunge of minor fold hinge line, unspecified relative age; vergence defined; with dip and dip direction of axial surface, with vertical axial surface.
	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.
	Borehole location with name, depth of rock units encountered, and final depth.
	Notable small outcrop with rock unit indicated.
	Mineral deposit location - hardrock.
	Construction material/industrial mineral/gemstone location.

SOURCE DIAGRAM

REFERENCE THIS MAP AS:
GREEN, D.C. 2007 (compiler). Digital Geological Atlas 1:25 000 Scale Series, Sheet 6038 Piccaninny, 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.

LOCATION DIAGRAM

INDEX TO ADJOINING SHEETS

ST MARYS	IRONBLEASE
FINGAL	PICCANINNY
ST JOHN	SEAWOUR

1:25 000 maps available.

PICCANINNY 6038