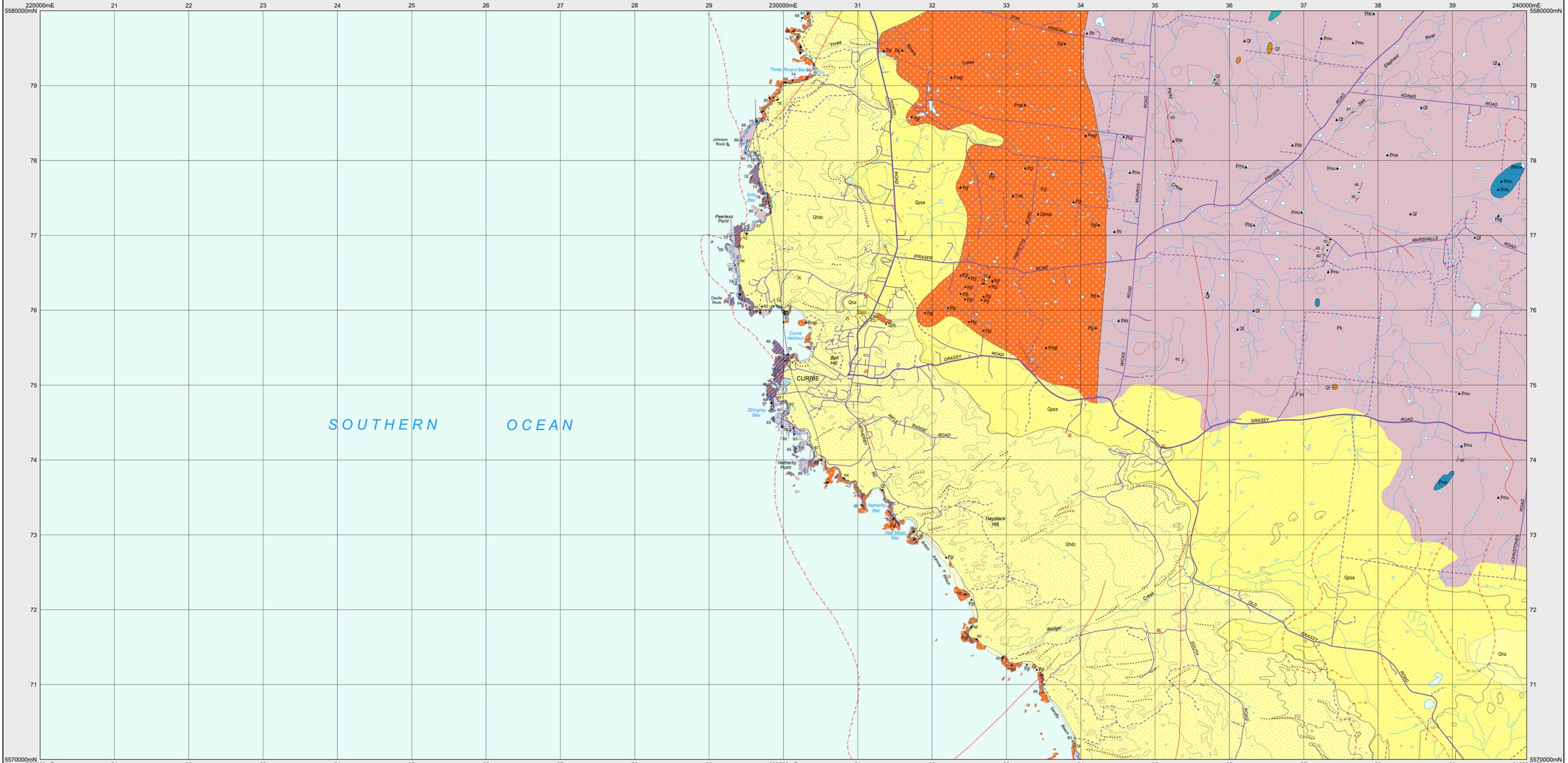


CURRIE

Scale 1:25 000



GEOLOGIC	QUATERNARY	
	HOLOCENE	PLEISTOCENE
	Qhb	Undifferentiated Quaternary sediments (Q). Mobile beach and dune sand (Qhb).
	Qha	Stream alluvium, swamp and marsh deposits (Qha).
	Qhc	Vegetated calcareous dune sand (Qhc).
	Q	• Qf Tufa spring deposits (Qf).
	Qpsa	Stabilised aeolian sand of coastal plain (Qpsa).
	Qpic	Well-bedded aeolian calcarenite (ribbed calcareous dune sand; "aeolianite") (Qpic).
	Qf	Ironstone (Qf).
		• Tmb Bioclastic shallow marine limestone (bryozoal calcarenite) with a probable Early Miocene fauna (at 23100mE, 5577200mN) (Tmb).
		Unconformity
MESOPROTEROZOIC	ECLASTIAN (?)	
	Pbj	Fine-grained quartzose metasediments, metasilstone and quartz-mica schist; lower amphibolite facies metamorphic grade (Pbj); some localities with metamorphic biotite (Pbs) and with metamorphic garnet and biotite (Pgl) indicated.
	Pbs	Dominantly metasediments, contact metamorphosed by Tonian granites (Pbs).
	Pbl	Fine-grained quartz sandstone, siltstone and cleaved mudstone/phyllite (Pbl).
		Unconformity
	Pbls	Cleaved mudstone/phyllite with minor interbedded siliceous siltstone (Pbls).
	Pblt	Fine-grained quartzose sandstone turbidite beds interbedded with cleaved mudstone/phyllite (Pblt).
	Pblm	Laminated siliceous siltstone with metamorphic garnet (Pblm).

GEOLOGIC	MESOZOIC (?)	
	PALEOZOIC	PERIODS CRETACEOUS (?)
	Kall	Basaltic lamprophyre dyke (near Netherby Bay, 231066mE, 5573531mN) (Kall).
	Dgnsd	Microgranodiorite to microgranite dykes, typically feldspar-hornblende ± quartz phytic, dated at 350 ± 4Ma at 230730mE, 5573778mN (U-Pb SHRIMP on zircon; Black et al., 1997) (Dgnsd).
	Dgnsd	Mafic microdiorite dykes, typically aphyric with abundant hornblende in groundmass, alkalic composition and high magnetic susceptibility (Dgnsd).
	Pmgf	Tholeiitic metadolerite dykes in Loorana Granite (Pmgf).
	Pmgf	Strongly fractionated metadolerite dykes, generally feldspar-phyric, in Loorana Granite (Pmgf).
	Pmt	Tholeiitic metadolerite dykes in Surprise Bay Formation, demonstrably younger than Loorana Granite (at 229635mE, 5578080mN) (Pmt).
	Pma	Strongly fractionated metadolerite dykes, generally feldspar-phyric in Surprise Bay Formation, probably younger than Loorana Granite (at 230130mE, 5578085mN) (Pma).
	Pvj	Equigranular/variable to sparsely porphyritic (K-feldspar) fine- to medium-grained biotite monzogranite, with sparse mafic enclaves (Loorana Granite, dated at 749 ± 2Ma at 231760mE, 5572950mN, (U-Pb SHRIMP on zircon; Black et al., 1997) (Pvj).
	Pglc	Breccia, cataclaste and mylonite, derived predominantly from the Loorana Granite, with minor interfoliated pelitic schist (Pglc).
	Pgp	Quartz-feldspar-biotite porphyry sills (Pgp).
	Paa	Amphibolite dykes and sheets; older than Loorana Granite (Paa).
	Pmu	Tholeiitic metadolerite dykes; probably Proterozoic, age relative to Loorana Granite unknown (Pmu).

INTRUSIVE ROCKS	
	Basaltic lamprophyre dyke (near Netherby Bay, 231066mE, 5573531mN) (Kall).
	Microgranodiorite to microgranite dykes, typically feldspar-hornblende ± quartz phytic, dated at 350 ± 4Ma at 230730mE, 5573778mN (U-Pb SHRIMP on zircon; Black et al., 1997) (Dgnsd).
	Mafic microdiorite dykes, typically aphyric with abundant hornblende in groundmass, alkalic composition and high magnetic susceptibility (Dgnsd).
	Tholeiitic metadolerite dykes in Loorana Granite (Pmgf).
	Strongly fractionated metadolerite dykes, generally feldspar-phyric, in Loorana Granite (Pmgf).
	Tholeiitic metadolerite dykes in Surprise Bay Formation, demonstrably younger than Loorana Granite (at 229635mE, 5578080mN) (Pmt).
	Strongly fractionated metadolerite dykes, generally feldspar-phyric in Surprise Bay Formation, probably younger than Loorana Granite (at 230130mE, 5578085mN) (Pma).
	Equigranular/variable to sparsely porphyritic (K-feldspar) fine- to medium-grained biotite monzogranite, with sparse mafic enclaves (Loorana Granite, dated at 749 ± 2Ma at 231760mE, 5572950mN, (U-Pb SHRIMP on zircon; Black et al., 1997) (Pvj).
	Breccia, cataclaste and mylonite, derived predominantly from the Loorana Granite, with minor interfoliated pelitic schist (Pglc).
	Quartz-feldspar-biotite porphyry sills (Pgp).
	Amphibolite dykes and sheets; older than Loorana Granite (Paa).
	Tholeiitic metadolerite dykes; probably Proterozoic, age relative to Loorana Granite unknown (Pmu).

CONTACTS	
	Geological contact.
	Geological contact - inferred.
	Geological contact - inferred from magnetic data.
	Limit of mapping of sub-unit within undifferentiated rock unit.
	Limit of detailed mapping.
FAULTS	
	Fault.
	Fault - concealed.
LINEARS	
	Subsurface geological boundary projected to surface.
	Dune crest.
	Lineament - visible in magnetic data.
	Magnetic gradient or lineament (direction towards lower values indicated).

	Strike and dip of bedding - right way up, facing unknown.
	Strike and dip of cleavage, relative local age S ₁ ; relative local age S ₂ .
	Strike and dip of cleavage of unspecified type and relative age.
	Trend and plunge of minor fold hinge line, relative local age F ₁ ; vergence sinistral.
	Strike and dip of dominant joint set.
	Trend of preferred orientation of K-feldspar phenocrysts in granitic rock.
	Strike and dip of flaser foliation.
	Strike and dip of mylonitic foliation or mylonite zone; vertical.
	Notable small outcrop with rock unit indicated.
	Notable small float or lag occurrence with rock unit indicated.
	Mineral deposit location - hardrock.
	Construction material/Industrial mineral/gemstone location.

SOURCE DIAGRAM

Geology by C.R. Calver, B.Sc.(Hons) and J.L. Everard, B.Sc.(Hons), 2012-2013 from the following sources (see source diagram):
 A. C.R. Calver 1:25 000 scale geological mapping, 2011-2012.
 B. J.L. Everard 1:25 000 scale geological mapping, 2011-2012.

REFERENCE THIS MAP AS:
 CALVER C.R. and EVERARD J.L., 2013. Digital Geological Atlas 1:25 000 Scale Series, Sheet 2257 Currie, 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.

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LOCATION DIAGRAM

INDEX TO ADJOINING SHEETS

LOORANA	SEALEPHANT
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PEARSHAPE	GRASSY

CURRIE 2257

1:25 000 maps available.

Map generated: 24-NOV-2025