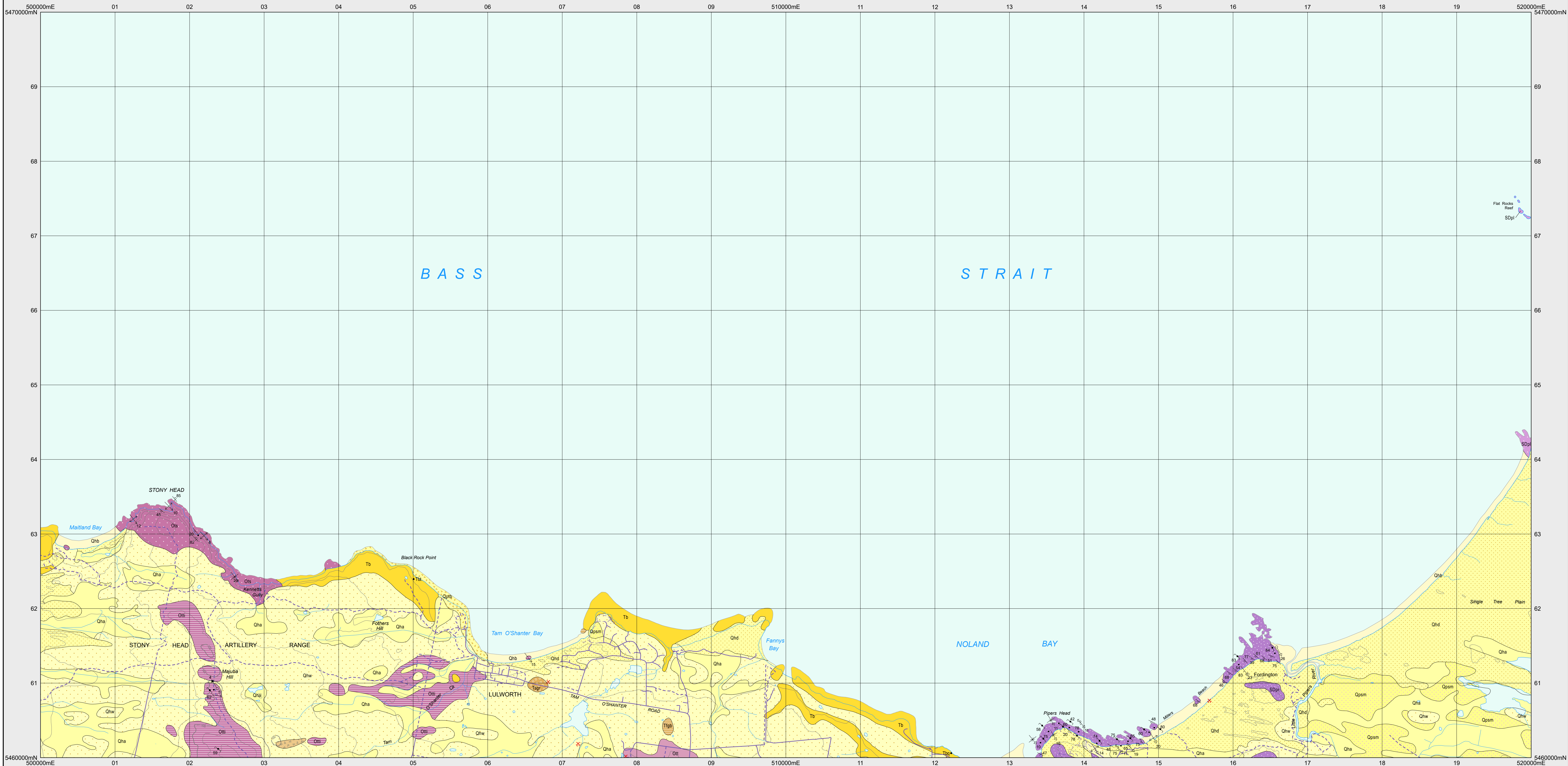
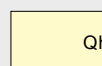
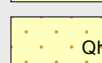
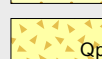


TAM O'SHANTER

Scale 1:25 000



CENOZOIC	QUATERNARY		Qha	Stream alluvium, swamp and marsh deposits (Qha).
			Qhd	Dune sand (Qhd).
			Qhb	Beach sand (Qhb).
			Qhw	Windblown sand (Qhw).
	PLEISTOCENE		Qph	Basalt talus (Qph).
			Qpm	Marine terrace deposits of gravel, sand, clay, shells and organic material (Qpm).
			TQgr	Angular gravel mainly vein quartz (TQgr).
	PALEOGENE - NEOGENE		Tb	Basalt (Tb).
			Tgr	Rounded gravel, mainly vein quartz (Tgr).
			Tgb	Gray-billy and silcrete (Tgb).
----- Unconformity.				

----- Unconformity.

CENOZOIC	PALEOZOIC	LUDLOW	SILURIAN	SDpl	Dominantly thin-bedded siltstone, with interbedded fine-grained quartz-rich sandstone increasing towards top. Contains late Silurian (Ludlow) graptolites (Lone Star Siltstone) (SDpl).
				SDpr	Interbedded turbiditic medium- to very fine-grained quartz-rich sandstone and subordinate siltstone-mudstone (Reef Formation) (SDpr).
				----- Inferred fault.	
CENOZOIC	PALEOZOIC	ORDOVICIAN	Oit	Dominantly dark gray phyllitic slate, with minor thin beds of quartz-rich siltstone. Contains Ordovician graptolites (Turquoise Bluff Slate) (Oit).	
			Oim	Interbedded phyllitic slate and isolated very fine-grained quartz-rich sandstone (Industry Road Member) (Oim).	
			Ois	Thick bedded, turbiditic, graded fine- to very fine-grained quartz-rich sandstone with string penetrative cleavage, and minor interbedded stony pelite (Stony Head Sandstone) (Ois).	

IGNEOUS ROCKS

Tb	Basalt (Tb); quartz tholeiite (Tbg) and olivine tholeiite (Tbd) indicated.
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CONTACTS

Geological contact.
Unconformable lithological contact.
Limit of detailed mapping.

FAULTS

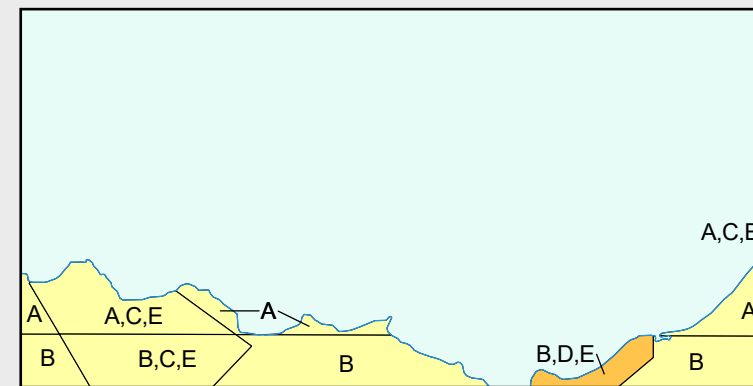
Fault - concealed, inferred from magnetic data.

LINEARS

Lineament - visible in magnetic data.

Strike and dip of bedding - right way up; overturned; facing unknown.
Strike and dip of penetrative cleavage; crenulation cleavage.
Trend and plunge of bedding/primary cleavage intersection lineation (L ₁).
Trend and plunge of lineation L ₂ formed by intersection of cleavages or foliations of relative local ages S ₁ and S ₂ .
Trend and plunge of minor fold hinge line, unspecified relative age.
Trend and plunge of hinge line of minor antiform, unspecified relative age; synform.
Trend and plunge of minor fold hinge line, relative local age F ₁ , with dip and dip direction of axial surface; vergence sinistral.
Trend and plunge of hinge line of minor antiform, relative local age F ₁ ; synform.
Field station for adjacent readings on the map.
Notable small outcrop with rock unit indicated.
Construction material/industrial mineral/gemstone location.

SOURCE DIAGRAM



- 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 M.P. McClenaghan, B.Sc.(Hons), Ph.D., 2005 from the following sources (see source diagram):
A JENNINGS, D.J. 1967. Geological Atlas 1:50 000 Series. Sheet 23 (8516S). Noland Bay, Tasmania. Department of Mines.
B MARSHALL, B. BARTON, C.M., JENNINGS, D.J., NAQVI, I.H. 1965. Geological Atlas 1:50 000 Series. Sheet 31 (8515N), Pipers River, Tasmania. Department of Mines.
Updated by:
C D.B. Seymour 2008-2009. Stratigraphic revision as part of the TasExplore Project, Mineral Resources Tasmania.
D B.B. Seymour 2008-2009. Structural re-mapping and stratigraphic revision as part of the TasExplore Project, Mineral Resources Tasmania.
E SEYMOUR, D.B., WOOLWARD, I.R., MCLENAGHAN, M.P., BOTTRILL, R.S. 2011. Stratigraphic revision and re-mapping of the Mathinna Supergroup between the River Tamar and the Scollands Batholith, northeast Tasmania. 1:25 000 Scale Digital Geological Map Series. Explanatory Report 4.

REFERENCE THIS MAP AS:

MCLENAGHAN, M.P. and SEYMOUR, D.B. (compilers) 2009. Digital Geological Atlas 1:25 000 Scale Series. Sheet 5046 Tam O'Shanter. 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

GDAM - MGA Zone 55. Contour Interval: 20 metres.

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LOCATION DIAGRAM

