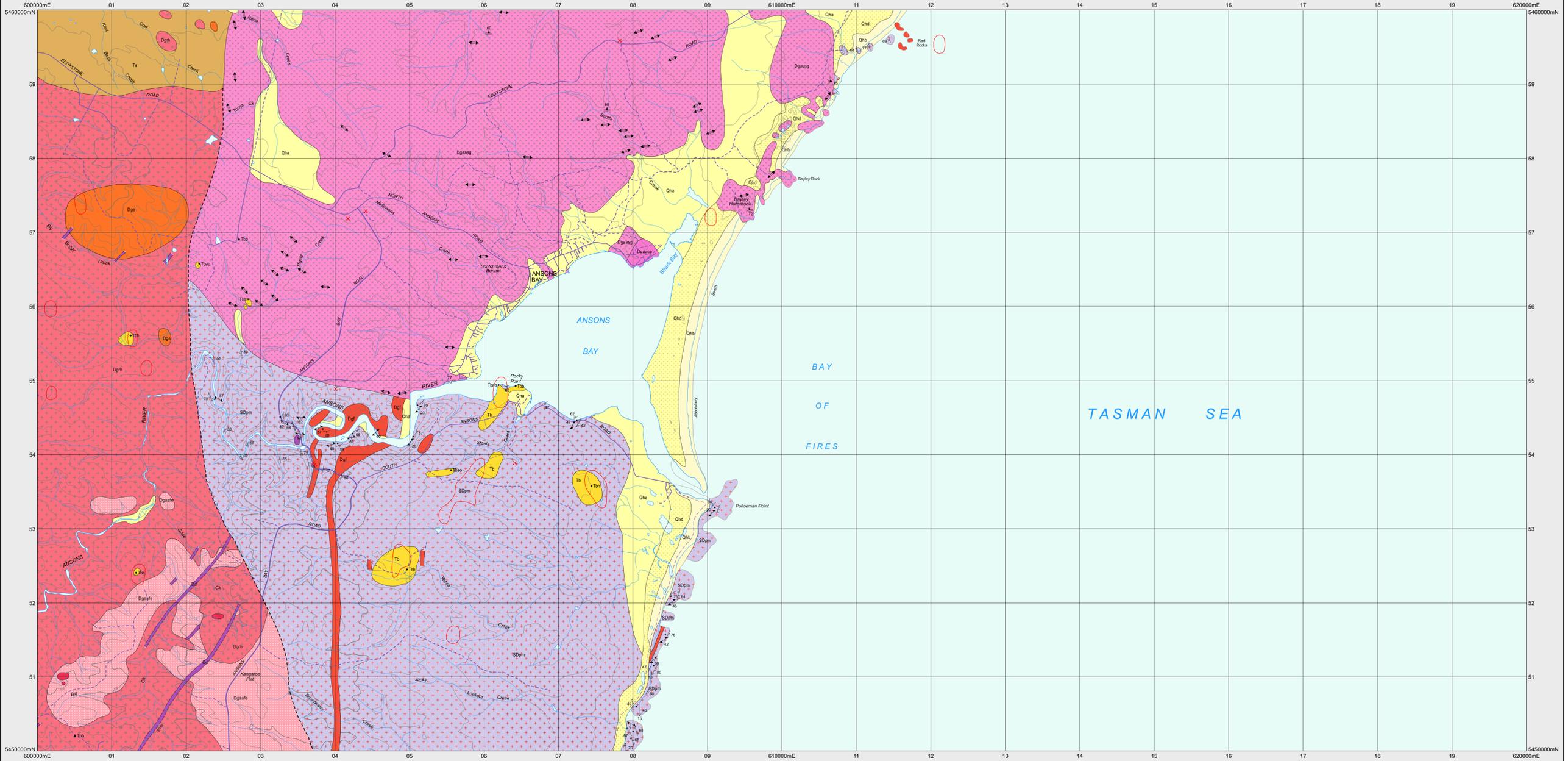


ANSONS BAY

Scale 1:25 000

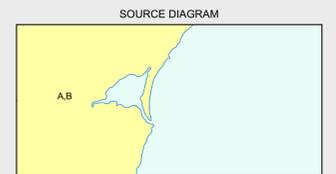


CENOZOIC		QUATERNARY	
HOLOCENE	Qha	Stream alluvium, swamp and marsh deposits (Qha).	
	Qhb	Beach sand (Qhb).	
	Qhd	Dune sand (Qhd).	
PLAISTOCENE	Ts	Sand gravel and clay (Ts).	
NEOGENE	Tb	Basalt (Tb); alkali olivine basalt (Tbao), hawasite (Tbh), basanite (Tba) indicated.	
Unconformity			
PALEOZOIC	SDpm	Quartzwacke turbidite, sandstone dominant, contact metamorphosed by granitic intrusion (undifferentiated Panama Group (SDpm)).	TASMANIA SUPERGROUP
CENOZOIC		PALEOZOIC	
DEVONIAN(?)	Tb	Basalt (Tb); alkali olivine basalt (Tbao), hawasite (Tbh), basanite (Tba) indicated.	
	Dd	Dolerite (Dd).	
	Dgja	Altered andesite (Dgja).	

MINOR GRANITIC INTRUSIONS	
Dgf	Quartz-feldspar porphyry (Dgf).
Dge	Aplitic granite (Dge).
EDDYSTONE BATHOLITH	
Dgaasg	Coarse- to very coarse-grained, variably porphyritic biotite-minor muscovite-garnet syenogranite/monzogranite (Dgaasg).
Dgaase	Coarse-grained equigranular biotite monzogranite (Dgaase - Ansons Bay Granite; S-type).
BLUE TIER BATHOLITH	
Dgaafe	Fine-grained equigranular biotite-muscovite granite (Dgaafe).
Dgjh	Medium- to coarse-grained biotite-hornblende granodiorite (Gardens Granodiorite; I-type) (Dgjh).

CONTACTS	
—	Geological contact.
- - -	Unconformable lithological contact.
—	Igneous intrusive contact.
- - -	Limit of mapping of sub-unit within undifferentiated rock unit.
- - -	Limit of detailed mapping.
FAULTS	
- - -	Fault - inferred.
LINEARS	
—	Lineament - visible in magnetic data.

↘	Strike and dip of bedding - right way up; overturned.
↗	Strike and dip of bedding - facing unknown.
↘	Strike and dip of cleavage, relative local age S1; vertical.
↗	Strike and dip of cleavage, relative local age S2.
↘	Strike and dip of foliation due to alignment of K-feldspar phenocrysts in granitic rock.
↘	Trend of preferred orientation of K-feldspar phenocrysts in granitic rock.
↘	Trend of preferred orientation of hornblende and/or biotite in granitic rock.
↘	Trend and plunge of minor fold hinge line, unspecified relative age, with dip and dip direction of axial surface.
•	Field station for adjacent readings on the map.
•	Notable small outcrop with rock unit indicated.
•	Notable small fault or lag occurrence with rock unit indicated.
✖	Construction material/industrial mineral/gemstone location.



Symbol	Description
Orange	Highly detailed (eg. more detailed than 1:25 000 scale mapping).
Yellow	Detailed systematic (eg. 1:25 000 map or equivalent detail).
Light Green	Regional systematic (eg. 1:50 000, 1:63 360 map or equivalent detail).
Light Blue	Regional mapping less detailed than 1:63 360 map or equivalent (all other scales).
Light Purple	Reconnaissance mapping with sparse ground traverses.
Light Yellow	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. McCLENAGHAN, M.P. and WILLIAMS P.R. 1983. Geological Atlas 1:50 000 Series. Sheet 13 (8510N), Blue Tier. Department of Mines, Tasmania.
Updated by:
B. M.P. McCLenaghan 2008-2009. Interpretation of airborne magnetic data particularly targeting "bullseye" anomalies considered likely to be Paleogene - Neogene basaltic rocks together with ground checking and mapping of small areas of basalt in some instances, as part of the TasExplore Project, Mineral Resources Tasmania.

REFERENCE THIS MAP AS:
McCLENAGHAN, M.P. 2010 (compiler). Digital Geological Atlas 1:25 000 Scale Series. Sheet 6045 Ansons Bay. Mineral Resources Tasmania.
Base data from the LIST, Copyright State of Tasmania.
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Website: www.mrt.tas.gov.au
GDAS - MGA Zone 55. Contour Interval: 20 metres.
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