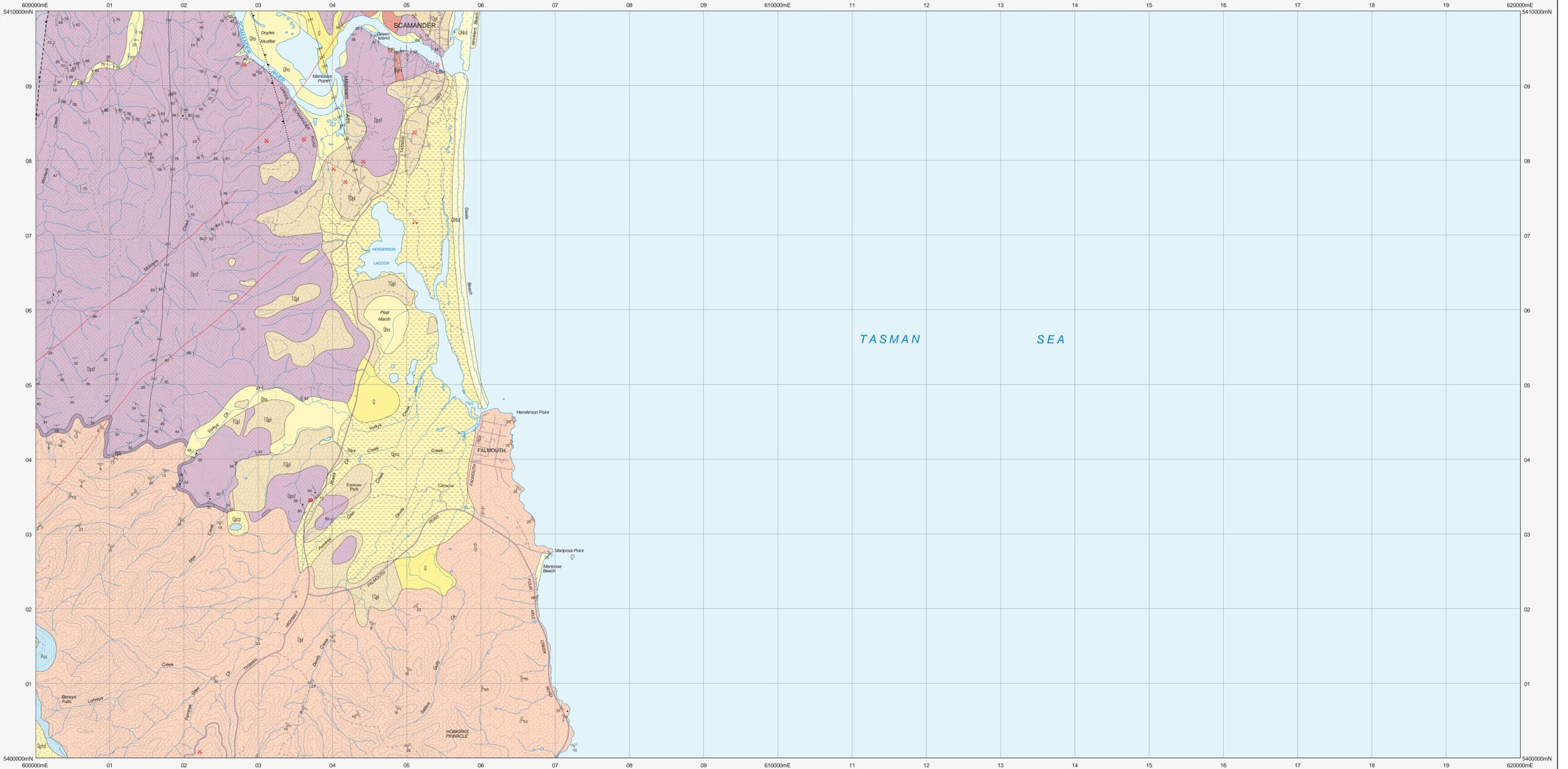


FALMOUTH

Scale: 1:25 000



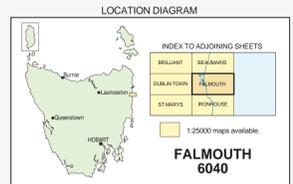
PERMIAN	TRASSIC	DEVONIAN	PALEOZOIC
Qha	Qbd	Qps	TQp
Stream alluvium, swamp and marsh deposits (Qha).	Active dune and beach sand and beach gravel (Qbd).	Marine limestone, calcareous mudstone and sandstone; usually richly fossiliferous (Qps).	Gravel, sand and derived lag (TQp).
Qps	Qps	Qps	
Tuff consisting dominantly of dolerite boulders (Qps), where dominantly Lower Permian rocks (Qps).	Clay, sand and gravel with minor peat. May have ferruginous cement and contain marine shells (Qps).		

MESOZOIC	TRASSIC	DEVONIAN	PALEOZOIC
Rb	Dpr	Dps	Dpsf
Alkali olivine basalt/hawaiite (Rb).	Porphyry with phenocrysts of plagioclase, quartz, biotite, K-feldspar, hypersthene and apatite in a very fine-grained groundmass; single cooling unit of rhyolite, with sparse basal rhyolite pyroclastics (Dpr) (St Marys Porphyry).	Brecciated and undisturbed layers of interbedded quartzite and mudstone (Dps).	Turbidite succession dominated by quartz-rich sandstones with minor siltstone and mudstone. Current folded sedimentary structures abundant. Contains Devonian marine invertebrates, graptolites and vascular plant fossils (Dpsf) (Scamander Formation).

Geological boundary - position accurate or approximate.	Geological boundary - concealed.	Unconformable boundary - position accurate or approximate.	Intrusive boundary - position accurate or approximate.	Thrust fault (teeth on upper plate) - inferred.	Normal fault (teeth on lower plate) - inferred.	Axial surface trace of major F1 anticline.	Lineament visible on airborne magnetic data.
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↗ ↘	Strike and dip of bedding right way up; overturned, facing unknown; vertical; facing unknown.
↗ ↘	Strike and dip of cleavage of unspecified type and relative age; relative local age.
↗ ↘	Trend and plunge of minor fold hinge line, relative local age F1 with age and dip direction of axial plane; fold hinge line, unspecified relative age.
↗ ↘	Strike and dip of igneous banding or platy alignment.
↗ ↘	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.
↗ ↘	Mineral deposit location - hardrock.
↗ ↘	Mineral deposit location - alluvial/tailings.
↗ ↘	Construction material/industrial mineral/gemstone location.

Compiled by M.P. McInerghan, B.Sc. (Hons), Ph.D., 2002 from the following sources (see Responsibility Diagram):
 A. MCLINAGHAN, M.P., TURNER, N.J. and WILLIAMS, P.R. 1987. Geological Atlas 1:50 000 Series, Sheet 49 (8514S). St Helens, Tasmania Department of Mines.
 B. TURNER, N.J., CALVER, C.A., CASTLEDEN, S.A. and BALLE, P.W. 1984. Geological Atlas 1:50 000 Series, Sheet 49 (8514S). St Helens, Tasmania Department of Mines.
 Updated by:
 C. Worthing, M.A. 2008 - 2010. Stratigraphic revision and re-mapping of Malherve supergroup supported by interpretation of airborne geophysical data, as part of the Tasalpine Project, Mineral Resources Tasmania.



REFERENCE THIS MAP AS:
 WORTHING, M.A. (compiler) 2010. Digital Geological Atlas 1:25 000 Scale Series, Sheet 6040, Falmouth, Mineral Resources Tasmania.
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 GDAS4 - MGA Zone 55. Contour Interval: 20 metres.
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