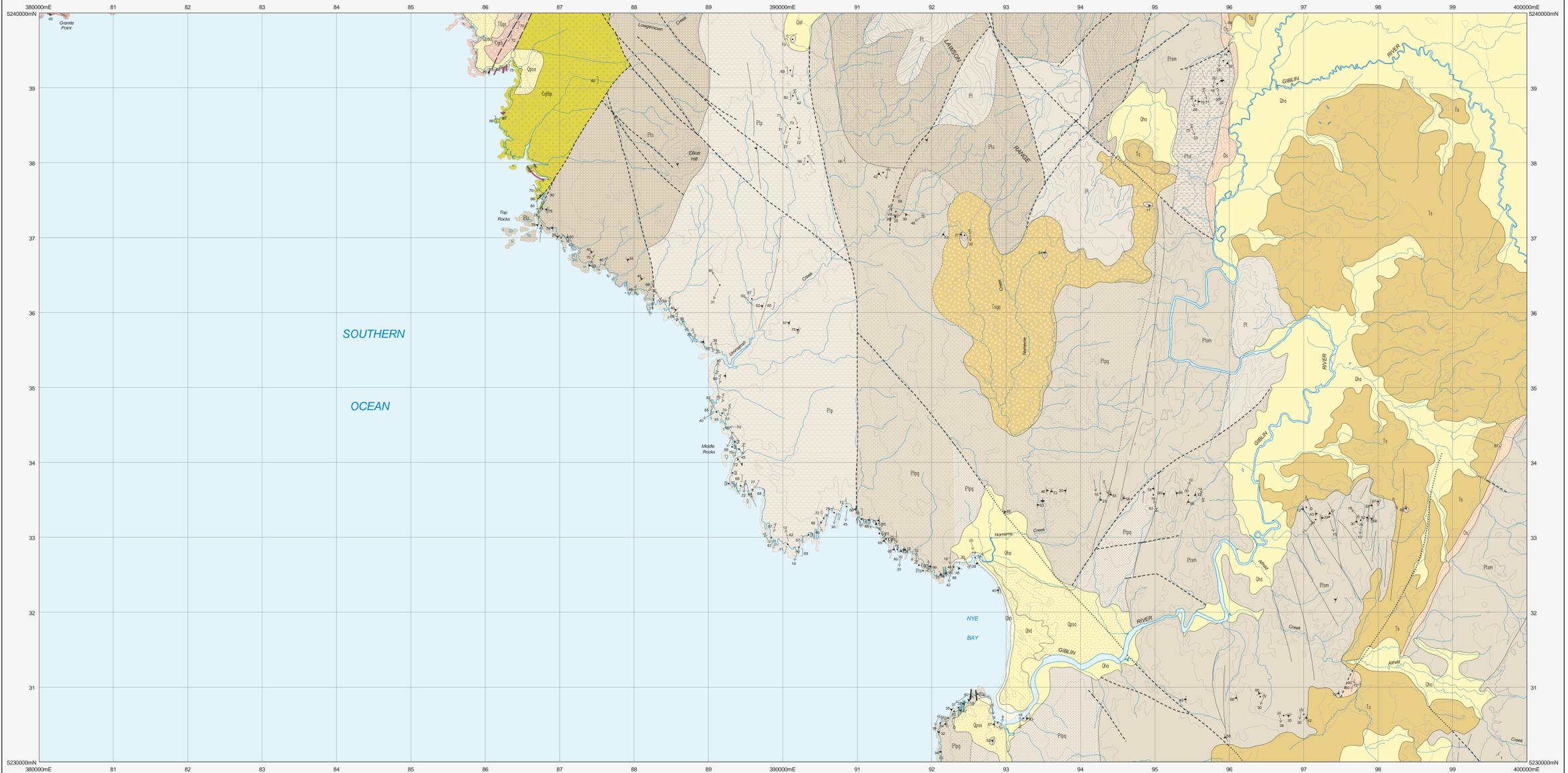


ELLIOTT

Scale: 1:25 000



CENOZOIC		PALEOZOIC		MESO-PROTEROZOIC	
QUATERNARY		ORDOVICIAN-TRIASSIC		CAMBRIAN TO TRIASSIC	
Qha	Stream alluvium, swamp and moran deposits (Qha).	Qha	Gravel and sand deposits associated with surface of approximately 50m a.s.l. includes vein quartz lag and probate younger alluvial deposits (Qha).	Pts	Metamorphic rocks, dominantly metaquartzite and metapelite (Pts).
Qhb	Beach sand (Qhb).	Ts	Predominantly unconsolidated gravels, commonly rounded (Ts).	Etst	Dominantly quartzite (Etst). Platey or schistose micaceous quartzite (Etst).
Qhd	Dune sand (Qhd).	Tqgs	Angular gravel of mainly vein quartz (Tqgs).	Etsp	Quartzite with interlayered quartz-mica and mica-quartz phyllite (Etsp).
Qaf	Alluvial fans (Qaf).	Di	Dark grey limestone, dolomite, calcareous mudstone, minor quartz sandstone. Fossiliferous in places. Concealed by Cenozoic cover in Giblin River area. Correlate of Gordon Limestone (Di).	Etpp	Phyllite and quartz-schist (Etpp).
Qpsd	Older stabilised sand dunes (Qpsd).	Os	Predominantly grey quartz sandstone, commonly bioturbated or cross bedded. Minor coarse sandstone, pebbly sandstone and conglomerate at base. Probable correlate of Mulo Sandstone (Os).	Etpp	Dominantly phyllite (Etpp).
		Ctsg	Bedded volcanoclastic sandstone, siltstone and minor siliceous sandstone overlying Proterozoic rocks. Possible correlate of Sticht Range Basal (Ctsg).	Etpp	Phyllite and quartz-schist (Etpp).
				Etpp	Dominantly phyllite (Etpp).
				Etpp	Phyllite and quartz-schist (Etpp).
				Etpp	Dominantly phyllite (Etpp).

IGNEOUS ROCKS	
D	Lamprophyre dykes (D).
Cdbs	Mafic dykes, typically chlorite-altered (Cdbs).
Cgrb	Biotite granite-quartz monzonite, medium to coarse-grained (Cgrb).
Cgrh	K-feldspar phyrlic granite, medium to coarse-grained (Cgrh).
Cgra	Granite-related apatite, microgranite or quartz-feldspar porphyry dykes (Cgra).
Cqlp	Quartz-feldspar-biotite porphyry, coarse-grained (Cqlp).
	Local occurrences of granite, associated with high grade metamorphic rocks in the Nye Bay area. Dated at 508±9 Ma (W.D.M. Hall pers. comm.) (Cgrn).
Pta	Amphibolite (Pta).

- Geological boundary - position approximate.
- Geological boundary - inferred.
- Fault - position approximate.
- Fault - inferred.
- Fault - concealed.
- Lineament visible on aerial photographs.
- Limit of mapping.
- Limit of mapping of sub-unit within undifferentiated rock unit.

- Dip of geological contact of unspecified type.
- Strike and dip of bedding, facing unknown; right way up.
- Strike and dip of cleavage of unspecified type and relative age; vertical.
- Strike and dip of crenulation cleavage.
- Strike and dip of cleavage, relative local age S1-S2.
- Trend and plunge of minor fold hinge line, unspecified relative age; with dip and dip direction of S1-S2 horizontal.
- Trend and plunge of minor fold hinge line, unspecified relative age; vergence distinct; vergence sinistral/symmetrical.
- Strike and dip of metamorphic foliation other than cleavage; vertical; parallel to compositional layering.
- Trend and plunge of hinge line of reclined minor fold, unspecified relative age; symmetrical.
- Strike and dip of mafic schlieren associated with granitic rock.
- Strike and dip of dominant joint set.
- Trend and plunge of lineation of unspecified type.
- Trend and plunge of crenulation lineation.
- Strike and dip of outcrop-scale fault of unspecified relative age, type unspecified.
- Field station for adjacent readings on the map.
- Notable small outcrop, with rock type indicated.

Compiled by W.D.M. Hall and M.J. Vicary, 2006 from the following sources (see responsibility diagram):
 A. PEMBERTON, J., VICARY, M.J., BRADBURY, J. and CORBETT, K.D. 1991. Geology of the Elton Bay - Mt Gerald area. MGA 55. MR Resid. Volcanics Project. Department of Mines, Tasmania.
 B. McNeil, A.V., 1985. The structure and petrology of the Nye Bay area, South West Tasmania. B.Sc. Thesis, University of Tasmania.
 C. Limited traverses by W.D.M. Hall 2004 - 2005.
 D. Hall, W.D.M. et al. 1989. 1:63,000 Mt St Helens Rocky Point and Du Vre Geological Map. Broken Hill Proprietary Company Limited, TCR 66, 2005.
 F. Air photograph interpretation by W.D.M. Hall and M.J. Vicary, 2006.



REFERENCE THIS MAP AS:
 Hall, W.D.M. and Vicary, M.J. (compilers) 2006. Digital Geological Atlas 1:25 000 Scale Series. Sheet 3823. Elliott. Mineral Resources Tasmania.
 Base data from the LIST, Copyright State of Tasmania.
 Map produced by the Geoscience Information Branch of Mineral Resources Tasmania using G.I.S. software.
 GDAS4 - MGA Zone 55. Contour Interval: 20 metres.

