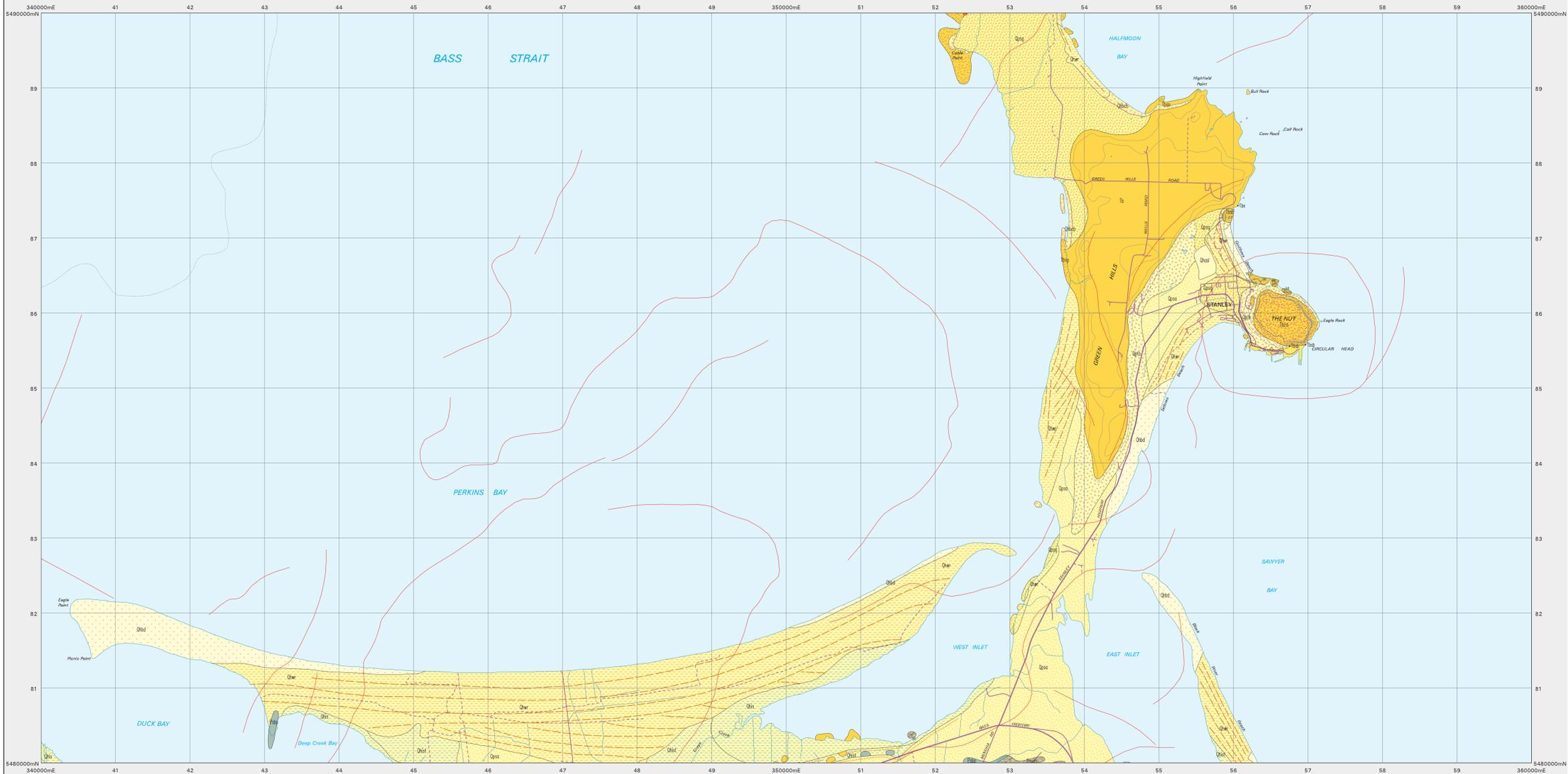


# STANLEY SOUTH

Scale: 1:25 000



Compiled by D.B. Seymour, B.Sc.(Hons), PhD, 2006 from the following sources (see Responsibility Diagram):  
A. LENNOX, P.G., CORRETT, K.D., BAILEY, P.W., CORRETT, E.B., BROWN, A.V. 1982: Geological Atlas 1:50,000 Series, Sheet 21 (1982), Southern Tasmanian Department of Mines. With additional lines interpreted by D.B. Seymour from airborne magnetic data collected under the Western Tasmanian Regional Minerals Program, 2001.  
B. Offshore lines interpreted by D.B. Seymour from airborne magnetic data collected under the Western Tasmanian Regional Minerals Program, 2001.

CENOZOIC	QUATERNARY	
	Qhmm	Man-made deposits (Qhmm).
HOLOCENE	Qh	Stream alluvium, swamp and marsh deposits (Qh). Dominantly sandy loam (Qhs).
	Qhs	Paralic clay, silt, sand and minor gravel deposits of modern soft marsh and associated tidal flats (Qhs), and of coastal tea-tree swamp (Qhs).
	Qhob	Younger active dune and beach sand and beach gravel (Qhob). Cobble beach derived from Tertiary basalt (Qhob).
	Qhr	Sand of stabilised longitudinal beach ridges (Qhr).
	Qhsa	Older stabilised aeolian sand of predominantly coastal plain, with underlying marine sands in places, may show relict landforms including terraces, lunettes, linear or barrow dunes, and beach ridges related to regressive strandlines of Last Interglacial Stage (Qhsa).
PLEISTOCENE	Qpba	Basalt talus (Qpba).
	Qpsa	Gravel deposits of probable littoraline origin, probably related to higher sea-level during Last Interglacial Stage (Qpsa).
	Qpsp	Erosional Surface.
TERTIARY	Tb	Basalt (Tb). Basalt pillow lava (Tbp). Alkali olivine basalt (Tbaa). Olivine nephelinite indicated (Tbn).
	Tbs	Agglomerate, tuff and lacustrine sedimentary rocks (Tbs) (Stanley beds). Coarse-grained andesite-bearing basalt (Tbsa).

NEOPROTEROZOIC	TERTIARY	
	Psbp	Interbedded (thin) wackes (massive to well bedded, turbiditic and/or mafic volcanoclastic, in part), unmetamorphosed siltstone/mudstone, minor polymict (thin) conglomerate, and possible occurrences of coarse breccia or matrix with clasts of mafic volcanic rocks (Psbp). (Correlate of Knapet Creek Formation, may include equivalents of Crocus Hill Mixture). Massive and amygdaloidal, dominantly tholeiitic basalt, commonly with pillows (Psbp). (Correlate of Spinks Creek Volcanics). Mafic with rounded clasts of basic igneous and other rock-types (Psbp). (Correlate of Crocus Hill Mixture).

IGNEOUS ROCKS	
Tb	Basalt (Tb). Basalt pillow lava (Tbp). Alkali olivine basalt (Tbaa). Olivine nephelinite indicated (Tbn).
Tbsa	Coarse-grained andesite-bearing basalt (Tbsa).
Psbp	Massive and amygdaloidal, dominantly tholeiitic basalt, commonly with pillows (Psbp). (Correlate of Spinks Creek Volcanics).

- Geological boundary - position accurate or approximate.
- Geological boundary - inferred.
- Geological boundary - concealed. (Approximate southern and eastern seafloor limit of T3 and related sequences, inferred from airborne magnetic data).
- Lineament visible in airborne magnetic data.
- Trends of older stabilised Holocene beach ridges.
- Terrace edge.

- Strike and dip of bedding, facing known; unknown.
- Notable small outcrop, lithology indicated.
- Construction materials location - data derived from Mineral Resources Tasmania DEPOSITS data base. Data point position has not been verified in every case.

REFERENCE THIS MAP AS:  
Seymour, D.B. 2006 (Compiler). Digital Geological Atlas 1:25,000 Series, Sheet 3448, Stanley. Mineral Resources Tasmania.

Base data from the LIST, Copyright State of Tasmania.

Map produced by the Data Management Branch of Mineral Resources Tasmania using GIS software.

ADD64 - AMG Zone 55. Contour Interval: 20 metres.

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