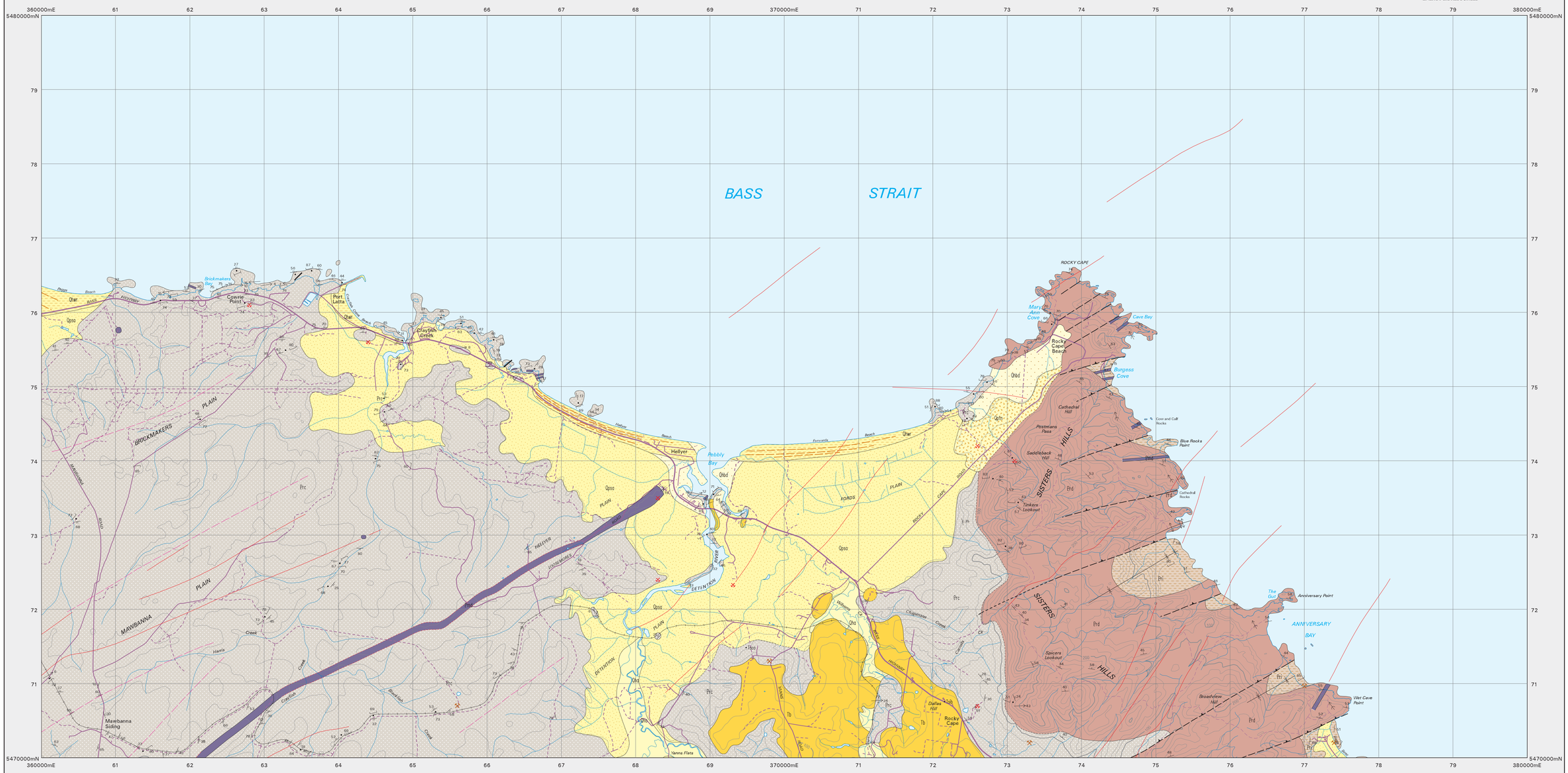
TASMANIAN GEOLOGICAL SURVEY
DIGITAL GEOLOGICAL ATLAS 1:25 000 SERIES
ROCKY CAPE, SHEET 3647

ROCKY CAPE

Scale: 1:25 000

0 500 1000 1500 2000 2500m

MINERAL RESOURCES TASMANIA
Tasmania
DEPARTMENT of INFRASTRUCTURE ENERGY and RESOURCES



CAINOZOIC

QUATERNARY

HOLOCENE

Qha — *Stream alluvium, swamp and marsh deposits (Qha).*

Qhbd — *Younger active dune and beach sand and beach gravel (Qhbd).*

Qhwr — *Sand of stabilised longitudinal beach ridges (Qhwr).*

PLEISTOCENE

Qpsa — *Older stabilised aeolian sand of predominantly coastal plain, with underlying marine sands in places; may show relict landforms including terraces, lunettes, linear or barchan dunes, and beach ridges related to regressive strandlines of Last Interglacial Stage (Qpsa).*

Qptn — *Talus of Proterozoic orthoquartzite (Qptn).*

Erosional surface.

TERTIARY

Tb — *Basalt (Tb). Sub-basalt conglomerate, quartz-stone or claystone indicated (Tsco). Intrabasalt deposits of sandstone, clay, lignite and quartz-stone (silcrete or greybilly) indicated (Tsib).*

Angular unconformity.

PROTEROZOIC

EARLY NEOPROTEROZOIC — Rocky Cape Group

Prl — *Laminated grey siltstone, mudstone and dolomite (Prl). (Prby Siltstone).*

Prd — *Well-bedded, cross bedded, mostly fine-grained orthoquartzite and subordinate siltstone (Prd). (Detention Subgroup).*

Prc — *Interbedded, black, dark grey and green, commonly pyritic, laminated siltstone and mudstone, with rare sandstone and mud pellet conglomerate. (Prc). (Cowrie Siltstone).*

IGNEOUS ROCKS

TERTIARY

Tb — *Basalt (Tb).*

NEOPROTEROZOIC

Pmd — *Dolerite dykes (Pmd).*

Geological boundary – position accurate or approximate.

Geological boundary – inferred.

Geological boundary, unspecified type, inferred from airborne magnetic data.

Lineament visible in airborne magnetic data.

Lineament visible in airborne radiometric data.

Fault – position accurate or approximate.

Fault – inferred.

Thrust fault – position accurate or approximate, teeth on upper plate.

Trends of older stabilised Holocene beach ridges.

Axial surface trace of major antiform.

Axial surface trace of major synform.

(White line) *Limit of mapping of sub-unit within undifferentiated rock unit.*

Strike and dip of bedding, facing known; unknown

Palaeocurrent direction, derived from cross-bedding and tilt-corrected, showing sense of movement.

Strike and dip of cleavage, type and relative age unspecified – dipping; vertical.

Trend and plunge of hingeline of minor fold, relative age unspecified; with dip and dip direction of axial surface; with vertical axial surface.

Strike of outcrop-scale fault, unspecified type and relative age.

Notable small outcrop, lithology indicated.

Mineral deposit location – hardrock / *Mineral deposit location – alluvial* — *Data derived from Mineral Resources Tasmania DEPOSITS data base. Data point position has not been verified in every case.*

Construction materials location — *Data derived from Mineral Resources Tasmania DEPOSITS data base. Data point position has not been verified in every case.*

Compiled by D.B. Seymour, B.Sc.(Hons), Ph.D., from the following sources (see Responsibility Diagram):

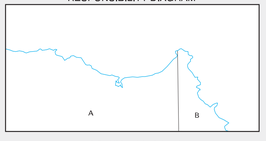
A Lennox, P.G., Corbett, K.D., Baillie, P.W., Corbett, E.B., Brown, A.V. 1982: Geological Atlas 1:50,000 series, sheet 7916S, Smithton. Tasmania Department of Mines. (Re-compiled from original 1:15,840 compilations and original structural data, with modifications and additions based on interpretation of airborne magnetic and radiometric data collected under the Western Tasmanian Regional Minerals Program, 2001).

B Gee, R.D. 1966: Geological Atlas 1 Mile series, sheet 8016S Table Cape. Tasmania Department of Mines. (Re-compiled from original 1:31,680 compilations, with modifications and additions based on interpretation of airborne magnetic and radiometric data collected under the Western Tasmanian Regional Minerals Program, 2001).

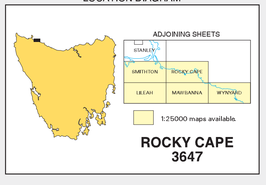
Digital base information from Information and Land Services Division, Department of Primary Industries, Water and Environment.

Map produced by the Data Management Branch of Mineral Resources Tasmania using G.I.S. software. AGD66 - AMG Zone 55. Contour Interval: 20 metres.

RESPONSIBILITY DIAGRAM



LOCATION DIAGRAM



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