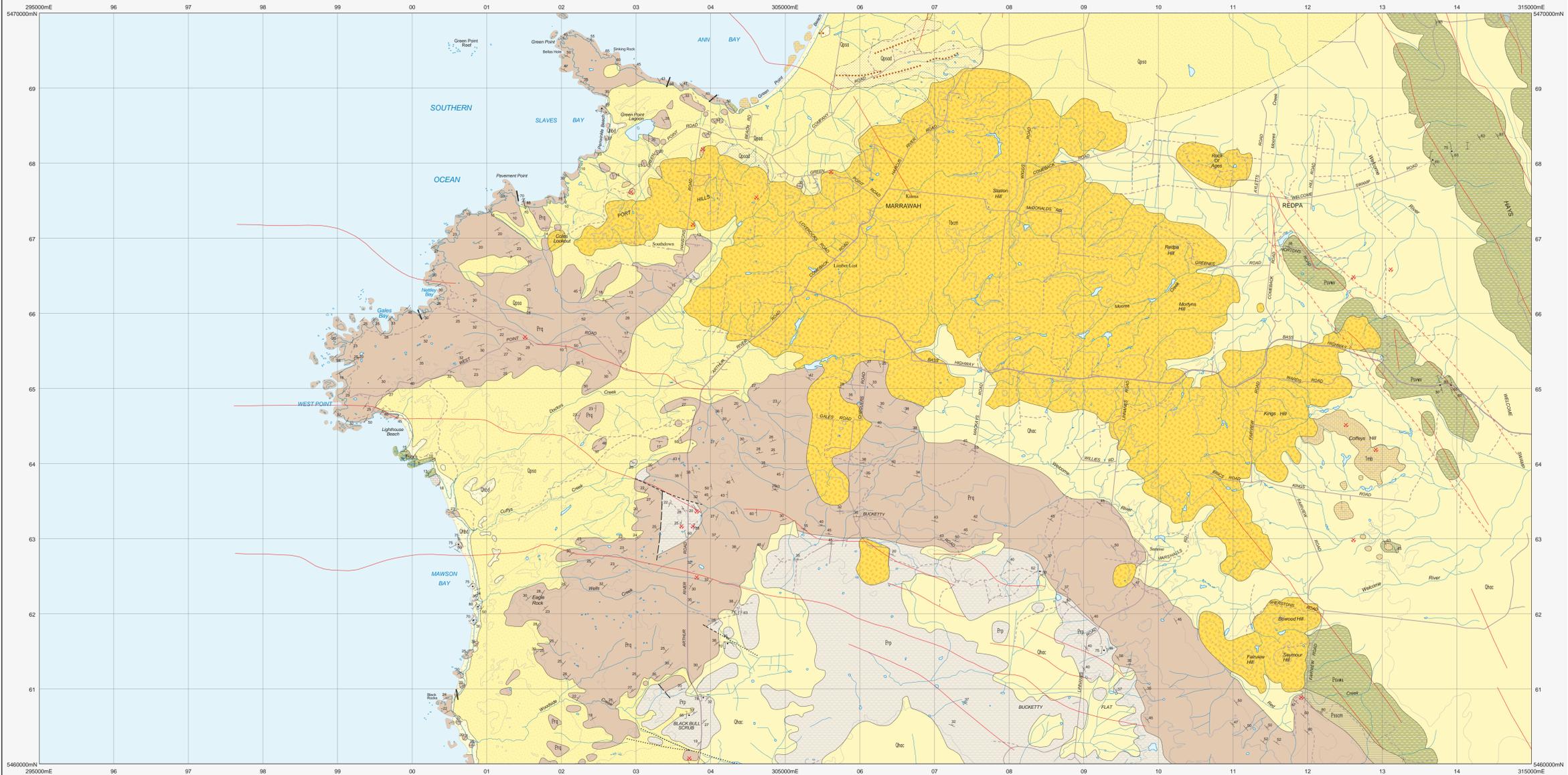


MARRAWAH WEST

Scale: 1:25 000



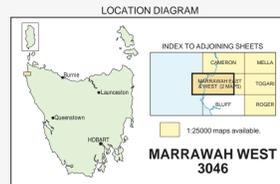
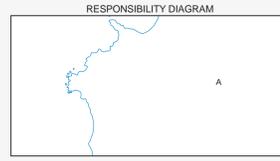
PERIOD	UNIT	DESCRIPTION
QUATERNARY	Qhac	Alluvium and colluvium - including alluvial deposits of sand, clay-rich sand or gravel tuffs and slope-wash deposits; swamp deposits of sand, clay and peat; and deposits rich in shell lag derived with associated soil from underlying Pleistocene dune sequences. (Qhac)
	Qhbd	Younger active dune and beach sand and beach gravel. (Qhbd)
	Qpsa	Older stabilised aeolian sand of predominantly coastal plain, with underlying marine sands in places; may show relict landforms including terraces, wetlands, linear or polygonal dunes, and beach ridges related to regressions of Last Interglacial Stage (Qpsa); some areas with preserved relict dune forms indicated (Qpsa).
	Qpsb	Gravel deposits of probable strandline origin, probably related to higher sea-level during Last Interglacial Stage (Qpsb).
PALEOGENE - NEOGENE	Tm	Erosional Surface.
	Tbcm	Blastic shallow marine limestone of Early Miocene (Li Longfordian to Batefordian) biostratigraphic age (Tm).
NEOPROTEROZOIC	Psb	Well bedded to massive, shallow marine dolomite and dolomitic limestone, of subtidal to supratidal facies, and cherty silicified equivalents in some localities (Psb). (Correlate of Smithton Dolomite).
	Ppax	Interbedded lithic wacke (massive to well bedded turbiditic and/or mafic volcanoclastic in part), laminated siltstone/mudstone, and minor polymictic lithic conglomerate, includes some occurrences of coarse breccia or white fine-grained or multi-ventricose rock (Ppax). (Correlate of Spring Creek Formation; may include some equivalents of Crone Hill Member).
	Pssm	Massive and minor amygdaloidal, dominantly tholeiitic basalt (Pssm). (Correlate of Spinks Creek Volcanics).
	Pscm	Massive to coarse or mottled, black, white and grey chert (after shallow marine carbonate), with subordinate interbedded laminated black mudstone, and with preserved stipes and symmetrical features in places (Pscm). (Correlate of Black River Dolomite).
MESOPROTEROZOIC	Prc	Mylonitic (with dominantly quartziferous clasts) and minor polymictic, massive coarse lithic breccia, and bedded lithic conglomerate with subordinate cross-laminated quartzite (Prc). (Correlate of Forest Conglomerate and Quartzite).
	Prg	Erosional and transpressive surface; low angle unconformity of some localities.
ROCKY CAPE GROUP CONGLOMERATE	Prg	Pale weathering, variably silicified quartzite, well bedded and commonly with cross-lamination of trough and piano-tubular types and oscillation ripple bedforms, and with minor horizons of laminated siltstone; fossil silencing suggested by bed to bed reversal of cross-lamination polarity in some sections. (Prg)
	Prg	Mud to dark grey, thin-bedded laminated siltstone and mudstone, with minor thin interbeds of cross-laminated and oscillation ripple-marked quartzite in some places (Prg); dominantly red-brown weathering sequence of interbedded laminated dolomitic siltstone, dolomitic siltstone and peloidal grainstones, and Talga-laminated dolomite with possible stromatolites. (Prg)

PERIOD	UNIT	DESCRIPTION
NEOPROTEROZOIC	Tbcm	Crudely bedded basaltic pyroclastic rocks, pillow and tachylitic breccias and hydrothermalite, with subordinate olivine basalt lava and pillow lava (Tbcm). (Correlate of Spinks Creek Volcanics).
	Psb	Massive and minor amygdaloidal, dominantly tholeiitic basalt (Psb). (Correlate of Spinks Creek Volcanics).

SYMBOL	DESCRIPTION
—	Geological boundary - position accurate or approximate.
- - -	Geological boundary - inferred.
- · - · -	Geological boundary - transitional. Position of this boundary between units Qhac and Qpsa is very approximate and indicative only.
· · · · ·	Geological boundary, unspecified type, inferred from airborne magnetic data.
- - - - -	Fault, unspecified type, position accurate or approximate.
- · - · -	Fault, unspecified type, inferred.
· · · · ·	Fault, unspecified type, concealed.
- · - · -	Fault, unspecified type, inferred from airborne magnetic data.
· · · · ·	Fault, unspecified type, concealed, inferred from airborne magnetic data.
- · - · -	Likelihood visible in airborne magnetic data.
· · · · ·	Magnetic gradient - direction towards lower values indicated.
· · · · ·	Crest of remnant old stabilised longitudinal dune.
---	Limit of mapping.
(White line)	Limit of mapping of sub-unit within undifferentiated unit.

SYMBOL	DESCRIPTION
↖ ↗	Strike and dip of bedding - facing known; unknown.
↖ ↗	Strike and dip of cleavage, type and relative age unspecified - dipping, vertical.
↖ ↗	Trend of horizontal minor fold hinge line, unspecified relative age, with dip of axial surface.
↖ ↗	Trend and plunge of crenulation lineation.
↖ ↗	Trend and plunge of hinge line of minor fold, relative age unspecified; with dip direction and dip of axial surface; with vertical axial surface; with distal vergence.
↖ ↗	Strike and dip of outcrop-scale fault, unspecified type and relative age - dipping, vertical.
■	Mineral deposit location - hardrock.
■	Mineral deposit location - alluvial/alluvial.
■	Construction material/industrial mineral/gemstone location.

Compiled by D.B. Seymour, B.Sc.(Hons), PHD., 2002 from the following sources (see Responsibility Diagram):
A SEYMOUR, D.B. and BALLE, P.W. 1992. Geological Atlas 1:50 000 Series. Sheet 3016B, Waratah, Department of Mines Tasmania.
With modifications and additions based on interpretation of airborne magnetic and radiometric data collected under the Western Tasmanian Regional Minerals Program 2001.



REFERENCE THIS MAP AS:
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GDAS4 - MGA Zone 55. Contour Interval: 20 metres.



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