



TASMANIAN REGIONAL DROUGHT INITIATIVE PROJECT
**HYDROGEOLOGY OF THE
 MACQUARIE RIVER DRAINAGE BASIN**

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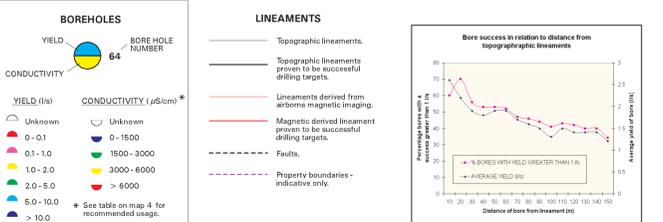
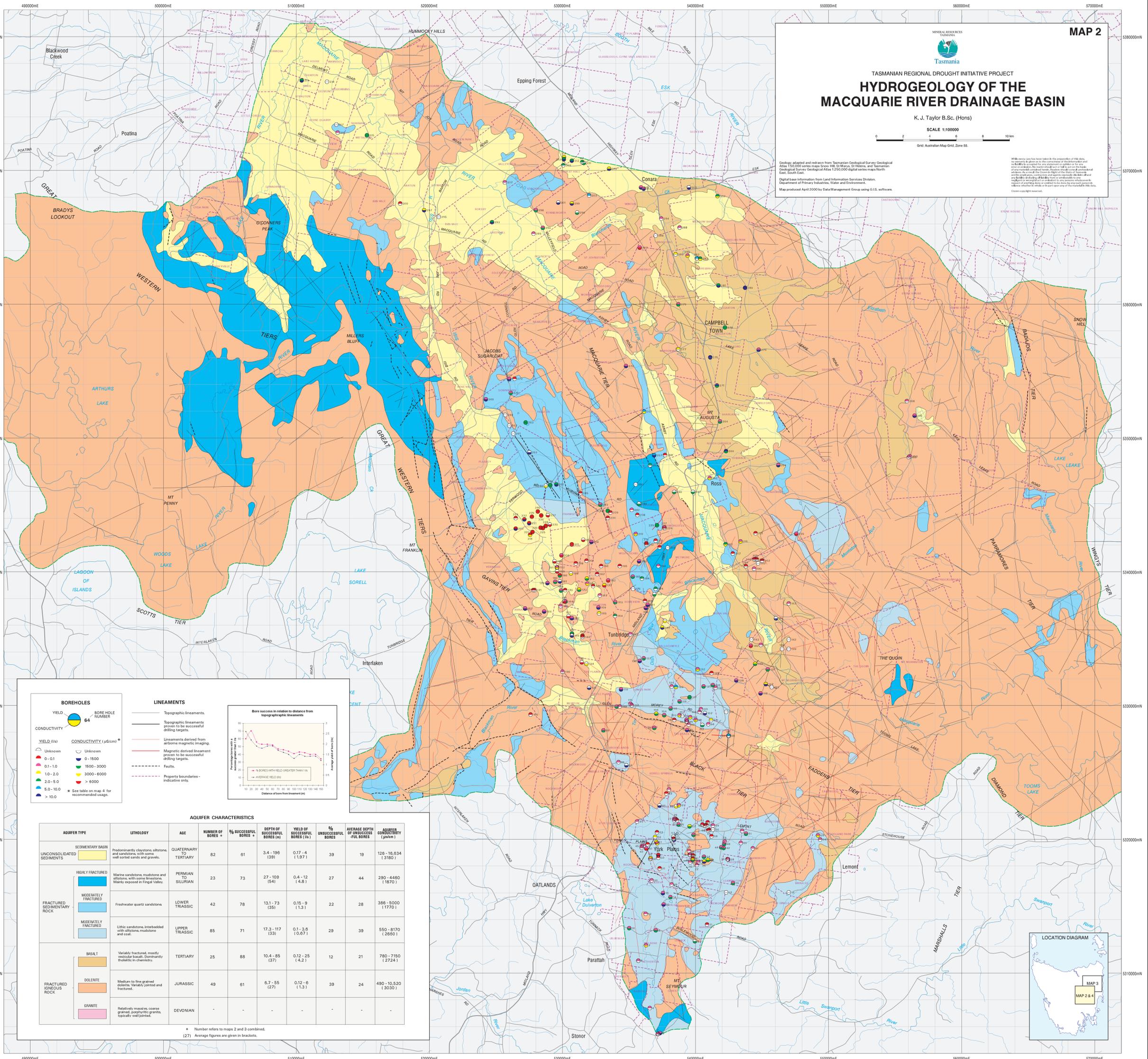
SCALE 1:100000



Grid: Australian Map Grid, Zone 55.

Geology adapted and redrawn from Tasmanian Geological Survey Geological Atlas 1:50,000 series maps Show Hill, St Marys, St Helens, and Tasmanian Geological Survey Geological Atlas 1:250,000 digital series map North. Digital base information from Land Information Services Division, Department of Primary Industries, Water and Environment. Map produced April 2000 by Data Management Group using GIS software.

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AQUIFER CHARACTERISTICS

AQUIFER TYPE	LITHOLOGY	AGE	NUMBER OF BORES *	% SUCCESSFUL BORES *	DEPTH OF SUCCESSFUL BORES (m)	YIELD OF SUCCESSFUL BORES (lit/s)	% UNSUCCESSFUL BORES	AVERAGE DEPTH OF UNSUCCESSFUL BORES (m)	AQUIFER CONDUCTIVITY (µS/cm)
UNCONSOLIDATED SEDIMENTS	Highly Fractured	Quaternary to Tertiary	62	61	3.4 - 196 (39)	0.17 - 4 (1.97)	39	19	126 - 16,634 (3180)
FRACTURED SEDIMENTARY ROCK	Highly Fractured	Permian to Silurian	23	73	27 - 109 (54)	0.4 - 12 (4.8)	27	44	290 - 4480 (1870)
	Moderately Fractured	Lower Triassic	42	78	13.1 - 73 (35)	0.15 - 9 (1.3)	22	28	386 - 5000 (1770)
	Moderately Fractured	Upper Triassic	85	71	17.3 - 117 (33)	0.1 - 3.6 (0.67)	29	39	550 - 8170 (2660)
FRACTURED IGNEOUS ROCK	Basalt	Tertiary	25	88	10.4 - 85 (37)	0.12 - 25 (4.2)	12	21	780 - 7150 (2224)
	Dolerite	Jurassic	49	61	6.7 - 55 (27)	0.12 - 6 (1.3)	39	24	490 - 10,520 (3030)
	Granite	Devonian	-	-	-	-	-	-	-

* Number refers to maps 2 and 3 combined.
 (27) Average figures are given in brackets.

