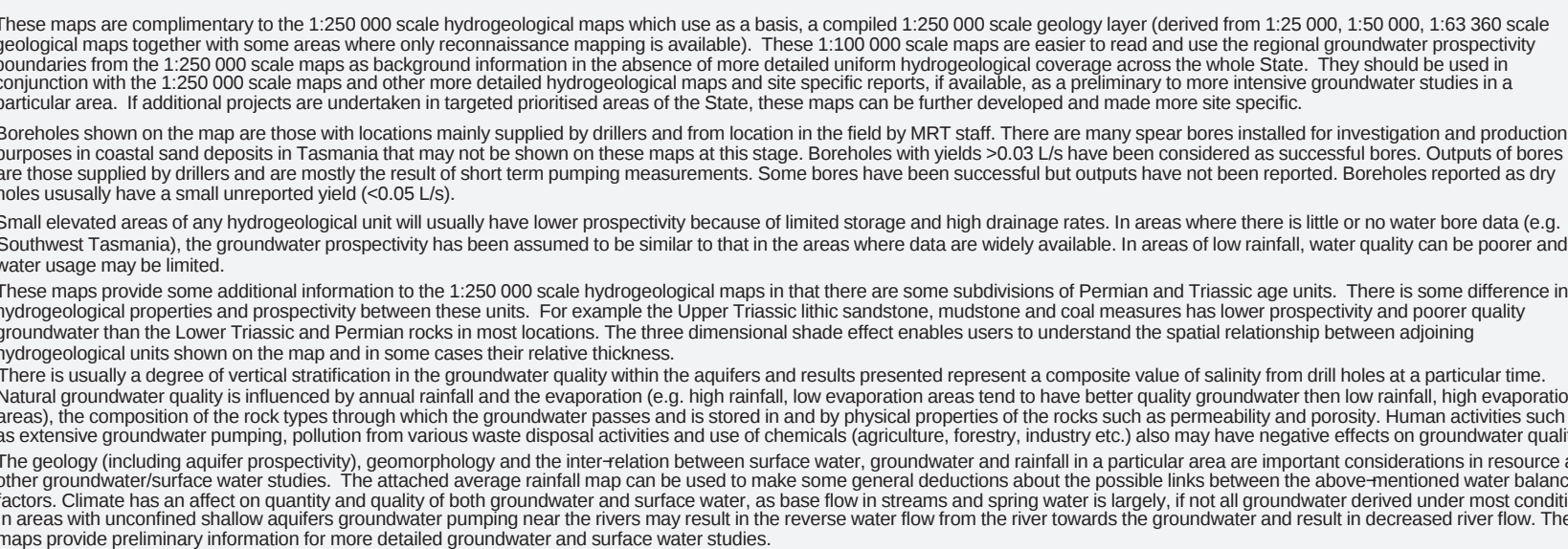




AQUIFER TYPE	PROSPECTIVITY (value of formation)	ROCK GROUPS	VULNERABILITY TO POLLUTION
POROUS (INTERGRANULAR)	 HIGH	Quaternary aeolian deposits marginal to the coast consisting of fine and medium grain size sand.	High.
POROUS (INTERGRANULAR)	 MODERATE- HIGH	Quaternary coastal plain deposits consisting of sand, silty sand, silty clay and gravel underlying areas near the coast. Probable marine origin.	Moderate to high. Dependent on permeability of the material that overlies the aquifer.
POROUS (INTERGRANULAR)	 LOW - MODERATE	Quaternary alluvium (silt, sand and gravel with varying clay content) and basal (clay) deposits.	Low to high. Low where clay material overlies the sand where there is no clay.
POROUS (INTERGRANULAR)	 LOW - HIGH High to low Moderate to high in NE	Quaternary mud and mud of alluvial, lacustrine and fluvial origin. Minor windblown sands on sloping bedrock.	Low to high. Low where clay overlies aquifers. High where gravel aquifers come to the surface.
FRACTURED ROCK (Interglacial or non horizontal)	 HIGH	Tertiary, quaternary and tuff sandstones, sandstone, minor coal. Terraced origin (R, R, R).	High—unites a layer of low permeability material overlies the aquifer.
FRACTURED ROCK (Interglacial or non horizontal)	 MODERATE- HIGH High to low Moderate to high in NW and SE, high in NE	Permian sandstone, siltstone and sandstone (often pebbly), minor limestone, conglomerate and siltite. Mostly marine origin (P).	High—unites a layer of low permeability material overlies the aquifer.
FRACTURED ROCK	 HIGH	Onkondina to Devonian turbidite deposits of sandstone, siltstone, shale and conglomerate. Includes limestone, Cambrian volcanics and sediments. Mesozoic mudstone, clay, quartzite and dolomite. Neoproterozoic sandstones.	High. Very occasionally deep clay cycles may offer some protection and lower vulnerability.
FRACTURED ROCK	 MODERATE	Triassic dolerites. Triassic basalt—St Marys. Triassic basalt—Scottsdales, Ringarooma, Tamar and Derwent Creek.	Moderate. Can be high if fractured zones are not overlain by low permeability material.
FRACTURED ROCK LOW - MODERATE	 LOW - MODERATE Minor to low Moderate in NE	Devonian granitic rocks. Cambrian mafic ultramafic complexes (gabbro, peridotite, gabbro, diorite, etc.). Precambrian granite.	Low to moderate. Can be high if highly fractured zones are not overlain by clay.

SALINITY CONTOURS

