

UR1974-47

## Groundwater prospects near Tinderbox

W.C. Cromer

Mr W.F. Baillie owns a 2.4 ha block of land on the Tinderbox Road adjacent to the Piersons Point Reserve [EN275337]. The area is not serviced by water mains, and landowners must generally rely on cartage or on roof water for domestic supplies, and on dams for gardening and other purposes. Mr Baillie inquired as to the possibility of obtaining groundwater supplies for domestic and gardening purposes.

The property has a moderate slope eastwards from Tinderbox Road. To the west of the road, the land surface becomes steeper, rising to 213 m at Mount Louis. Most of the area is underlain by Jurassic dolerite, but Permian sediments crop out on the eastern slopes of Mount Louis, and extend eastwards over part of Mr Baillie's land, the lower half of which is underlain by dolerite. A north-trending intrusive contact bisects the property.

Although the topographic situation of the area would appear favourable for obtaining underground supplies of water, the dolerite which is volumetrically the most abundant rock type present is not considered a reliable reservoir and supplier of such water. Permian sediments have been drilled extensively elsewhere in Tasmania, and are generally found to be dependable source rocks. However, at Piersons Point they are of limited areal extent, and it is probable that dolerite would be encountered on shallow depth during drilling on Mr Baillie's property.

With drilling costs of the order of \$30/m it would appear judicious to utilise surface supplies of water to their full potential. Drilling is not recommended.

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SEE INSET BELOW FOR  
DETAILS OF LOT 7.

