

REPORT ON POSSIBILITIES OF
OBTAINING UNDERGROUND WATER ON
THE PROPERTY OF MISS JAMESON, BELLERIVE.

This property is situated in Britannia Street, Bellerive.

Near the wharves, in Kangaroo Bay, diabase (dolerite) outcrops on the shore. This rock continues towards the Post Office and also along Britannia Street as far as the crest of the hill. It is last seen to outcrop within one to two chains of the well sunk in Miss Jameson's property. The well has been sunk in the white siliceous mudstones of the Permo-Carboniferous system. These rocks outcrop prominently around Kangaroo Bluff.

A shaft has been sunk to a depth of approximately 30 feet and a drill hole put down a further 12 feet, but without striking any water supplies.

The Permo-Carboniferous white mudstones are in themselves not very likely to yield supplies of underground water except from joints, bedding planes &c.

Further at this locality they are intruded by the diabase which would alter them and render them less porous for a certain distance from the contact of the two rocks. The possibilities of obtaining supplies under such conditions are, therefore, more remote than usual.

In conclusion it may be stated that the site at which the shaft was sunk is one in which the possibilities of obtaining supplies of underground water are very slight. They are so slight in fact that only extreme necessity could be advanced as a sufficient reason for sinking a shaft at such a place.

P.B. Nye (Sgd).

GOVERNMENT GEOLOGIST.

Mines Department, Hobart.

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