

REPORT ON THE POSSIBILITY OF OBTAINING SUPPLIES
OF UNDERGROUND WATER ON THE PROPERTY OF
MR. C. SALMON, ANTILL PONDS

The desired site was in the vicinity of the homestead situated half a mile to the south of Woodbury Railway Station and immediately to the west of the main road and the main line railway.

The Curryjong Rivulet flows in a northerly direction between the main road and the railway, and is separated from the property by the railway line.

The hills to the east of the road consist of the typical diabase of Upper Mesozoic age. Hills of the same rock occur half a mile to the west, but outcrops are visible in the flat country between these hills. A narrow tract of recent alluvium has been formed along the west bank of the stream and extends from the homestead in a southerly direction.

Slightly higher terraces of older alluvium and gravels occur to the west and form the plains extending to the hills in that direction. The geological structure is therefore a shallow valley eroded out of the diabase and which has been filled with alluvium and gravels of Recent and somewhat older age. The exact depth of these deposits cannot be stated, but it is probable that it does not exceed 50 feet.

Water supplies will be obtained in these deposits, but the exact quantity cannot be stated. The amount of water required is 2000 gallons per day and it is not improbable that such a supply could be obtained.

A well sunk in these deposits yields the present supply. It is said to be 17 feet deep and to have up to 11 feet of water in it. No test has been made as to the quantity of water which makes in this well.

A site could be chosen anywhere convenient situated as regards wind etc. in the northern portion of the Spring paddock or thereabout, or even in the homestead grounds. It would be adviseable not to go to the east thereof.

Another possible water supply is from water hole in the creek east of the railway. These holes will, of course, dry up in periods of little rainfall and supplies would then have to be obtained by making excavations in the bed of the creek. The supplies from this source might be slightly larger than from the bore, but pumping would not be as satisfactory as it would be from the bore or the present well. Other factors such as floods, silting up, etc. have to be considered.

P.B. Nye
GOVERNMENT GEOLOGIST

Hobart.
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