

REPORT ON THE POSSIBILITY OF OBTAINING SUPPLIES
OF UNDERGROUND WATER ON THE PROPERTY OF MR. LODGE.

Two possible sites were inspected on the properties of Mr. Lodge.

One is situated in the township of Tunbridge immediately to the east of the Main Road at a point nearly three quarters of a mile south of the railway station. The surface is occupied by ancient river deposits formed along the course of the Blackmans River or a former stream. The deposits contain numerous pebbles of diabase and generally the matrix is clayey, but in immediately adjacent areas it is sandy. These deposits rest on a bedrock of diabase (ironstone) at depths of probably 20-50 feet.

Supplies of water should occur in this formation down to the bedrock of diabase, and perhaps even in the decomposed upper portion of the latter. The conditions should generally be similar to those at Oak Farm a short distance to the north, and the quantity and quality similar to those obtained in the well at that place.

The second site is situated immediately to the south of the Tunbridge Racecourse. The racecourse itself is composed generally of river gravels identical with those described above. South of the racecourse the surface is occupied by quartz sandstones belonging to the Ross series of the Trias-Jura System. This site is about 30 chains north of the second site on Mr. Triffitts property. The conditions are similar at these two sites except that there is no apparent alteration of the sandstones by the diabase as at Mr. Triffitt's site. The possibilities of obtaining a supply are therefore slightly better.

The quantity and quality should be similar to those at Mr. Triffitt's second bore.

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