

TBH:2

10th June, 1953.

MEMORANDUM:WATER SUPPLY FOR PROPOSED ABBATOIRS
KING ISLAND.

It is proposed to erect Abbatoirs near the northern boundary of the King Island Aerodrome and their minimum daily water requirements will be of the order of ten thousand gallons. Some boring has already been done, mainly to the south west of the proposed site but these holes have failed to yield appreciable quantities of water.

The surface of the Island hereabouts is flat to gently undulating, except where Porky Creek and its tributaries have cut down a little below the general surface. It is generally covered with sand but here and there granite comes almost to the surface. The bores have shown that solid granite lies at no great depth below the surface in the localities drilled. To the south and east indications of granite may also be observed as well as immediately to the north.

It is not considered that sufficient water could be obtained in the shallow depths of sand and decomposed granite which overlies the solid granite in these localities. Once solid granite is encountered it would be useless to expect any supplies of underground water unless in a major fault zone and there is no surface evidence of any faulting.

However, about a mile to the north, the granite roof may slope downward and be covered with sufficient sand to contain appreciable water supplies. It is, therefore, recommended that one or two more holes be put down in this area but if granite is encountered then boring should be stopped.

If these holes prove useless then some scheme of collecting the surface water will have to be devised.

(Sgd.) Terence D. Hughes

GEOLOGIST

The Director of Mines,
HOBART.