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7th December, 1950.

MEMORANDUM:UNDERGROUND WATER FOR ELWICK RACECOURSE

The Tasmanian Racing Club, owners of Elwick Racecourse are desirous of obtaining supplies of underground water for irrigation purposes.

The point from which they desire to pump is on land owned by the Glenorchy Council situated at the River end of Fleming Street and a few chains from the mouth of Humphrey Rivulet. Adequate supplies of underground water contained in fluvial deposits should be available a few feet below ground level, and the only danger appears to be contamination from the Derwent River. The point selected is within three chains of high water level and less than three feet above it. However this danger is not as serious as at first apparent. The underground water is not in the form of a static sheet but is flowing under appreciable head towards the Derwent.

It has been suggested to Mr. Osborne, the Club's Secretary that a shaft should be sunk in this position and after a week's pumping a sample taken to determine if an appreciable increase in salinity shows serious contamination.

Sgd. T. D. Hughes.
GEOLOGIST.

The Director of Mines,
