

24th November, 1950

MEMORANDUM

Surface Material at Elwick Racecourse

The Tasmanian Racing Club, in an effort to obtain sufficient water supplies for Elwick Racecourse, are contemplating the construction of a shallow dam within the course, into which they hope to pump water from near the mouth of Humphrey's Rivulet. They desire the opinion of this Department as to the nature of the surface material and whether it is suitable for holding water.

The depth of the dam, which is to be scooped out by bulldozer, is suggested at between four and six feet, so a hole has been sunk to six feet and the material examined. This consists of recent alluvium, composed of clay, sand and boulders. It is my opinion that there is a sufficient percentage of clay to fill up any cavities between the sand grains and render the bottom of the dam impervious to water. The boulders encountered should not be of sufficient size to hinder the efficient working of a bulldozer.

Terence D. Hughes,
GEOLOGIST

The Director of Mines,
Hobart.