

BG/3

26th September, 1956.

MEMORANDUMUNDERGROUND WATER INVESTIGATION AT
"CLEVEFARM" HOWRAH

This property owned by Mr. R.G. Fitzgerald, is located about one half mile past the southern end of Howrah beach on the southern side of Trammere Road. Sufficient water is required for irrigation and possibly for stock and laundry purposes.

CATCHMENT AREA:

The farm is at the foot of a steep hillside and about 100 acres drain into a natural depression which runs through the farm. There is an average rainfall of 20" per year.

GEOLOGY:

The area is underlain by Jurassic dolerite covered by a few feet of soil. There is no aquifer present to supply underground water.

SURFACE WATER:

It appears that the water present in the depression on the property is all surface water. This depression floods and dries up rapidly after rain. Domestic drainage from homes finds its way into this depression and contributes to the surface water. The soil may not be a sufficiently good filter to remove pollution and use of the water can be discounted for health reasons.

The proximity to the sea suggests that contamination by salt water would occur in a bore as the highest point of the depression above sea level on "Clevefarm" is about twelve feet.

The use of a bore cannot be recommended on the information set forward here.

(Sgd.) A.B.Gulline

(B. Gulline)
GEOLOGIST

The Director of Mines,
Department of Mines,
HOBART