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16th September, 1953.

MEMORANDUMPOSSIBILITIES OF OBTAINING
UNDERGROUND WATER SUPPLIES
AT WYBRA HALL

This property situated on the western side of the Midland Highway between Pontville and Mangalore is to be made into a Boy's Home and water supplies are needed to augment those that can be obtained from roof catchment and pumped from the Bagdad Rivulet.

The property is underlain by Permian mudstone intruded rather irregularly by dolerite. Both these rocks are non-aquifers and do not offer much chance of underground water supplies. Jointing in the mudstone would not offer channel ways of sufficient magnitude for appreciable water supply. A narrow bed of sandstone indicated by surface soaks probably occurs near the underground tank although no definite outcrop can be seen. It is considered that this is too narrow to yield sufficient supplies.

The property has an easement to the Bagdad Rivulet and pipes are laid from here and water has been pumped from the stream. This however is not permanent.

Outcropping in the bed of the rivulet near this point is a rather scoriaceous basalt, associated with Tertiary alluvium and probably underlain by Triassic sandstone. This is a far more favourable site for obtaining supplies of underground water which may be found in the Tertiary alluvium beneath the basalt, or (if it exists here) in the sandstone.

It is recommended that a bore be put down near the pipe line and not far from the present stream.

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Director of Mines