

**UNPUBLISHED REPORT 1965/26**

## **Underground water possibilities on Mr Bott's property at Chudleigh**

*by W. L. Matthews*

Mr Bott is interested in obtaining underground water for irrigation. His property is situated along the Dairy Plains Road and is mainly underlain by Tertiary deposits which extend over the extensive flat areas. Rounded dolerite boulder beds extend over much of the surface. Areas of Ordovician conglomerate and Permian rocks outcrop around the margins of the flats. The attitude of the Owen Conglomerate suggests that Gordon Limestone underlies the plain at depth. No sinkholes were noted and the thickness of the overlying Tertiary rocks is unknown.

It is expected that some water could be obtained from sand and gravel beds that usually occur in the Tertiary deposits and if the limestone is close enough to the surface, some supplies could be obtained from solution cavities. It is uncertain whether quantities sufficient for irrigation would be obtained.

*[23 November 1965]*