

TR16-218

43. Water prospects at Belle Vue, Sorell.

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Belle Vue is a gently undulating dairying property owned by T.M. Lipscombe situated a short distance along the Pawleena Road at Sorell.

Solid and scoriaceous basalt crops out on the property. As a result there are no bad sites for boreholes although some are better than others with regard to the following considerations:

- (1) The more elevated the site, the deeper is the hole required to cover summer/high rate drawdowns as a 'flat' water table is anticipated.
- (2) Distance from point of usage of water; cost of surface piping.

One bore sited and drilled as a test and drilling exhibition hole yielded good quality water at a rate of over 36,000 l/h when tested by Mono Pumps. The bore was sited on the eastern boundary of the property on the uphill side of the Pawleena Road in a position close to the base of the hill slope.

Some water was recovered from the scoriaceous zones in the basalt but the main source of water appears to be in a sandstone (of Tertiary age?) underlying the basalt. This medium-grained well compacted rock is dark green in colour and looks in hand specimen not unlike weathered basalt. The thickness of basalt was about 40 m.

A second bore hole is recommended on the southern side of the hill rise. Ideally the bores should be as far apart as possible in order that there should be no interference of flow. A distance of 300 m between bores should be adequate, especially as continuous high yield pumping from both bores is unlikely.

