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Groundwater prospects at 'Stone Quarry', near Cressy.

W.L. Matthews

E.G. Flood requested advice on groundwater prospects on his property 'Stone Quarry' [EP131734], which is situated about 14 km south-east of Cressy.

The property is gently undulating and is underlain by areas of Triassic sandstone, Jurassic dolerite and Tertiary sediments. Gravel, made up mainly of quartzite and quartz fragments underlies the higher ground and clay underlies the valleys. A small area of sandy mudstone boulders about 750 m NNE of the homestead may be Permian in age. The sandstone and white gravel have both been quarried.

The Triassic sandstone has been a reliable source of supplies of water suitable for stock in many parts of the State and most holes drilled into it yield water. The quantities usually obtained in the sandstone are of the order of 15-30 l/min. The quality is variable but is almost always suitable as a stock supply.

As dolerite is present in the vicinity it is possible that it might underlie the areas of sandstone at relatively shallow depth and might be struck before water is obtained. However this only appears to be a slight risk as the sandstone exposures around the house show no sign of induration.

A site on low-lying ground around the edge of the hill just east of the brick house appears to be the most suitable area to drill. The site should be selected by taking into account the availability of a power source and the area of use. By drilling at the base of the hill, it is certain that sandstone will be encountered.

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