

**GEOLOGICAL AND GEOPHYSICAL METHODS TO LOCATE SUCCESSFUL WELLS
IN HARD ROCK AREAS**

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Water availability in hard rocks is limited to the weathered zones and the fractured zones. Therefore the success of locating wells in hard rocks depends mainly on locating fracture zones and weathered zones. Use of geological and geophysical methods to locate favourable sites for wells increase the well success rate significantly. This is demonstrated by the Water Resources Board current success rate of about 95 percent in tube well drilling in hard rocks.

This paper describes geological and geophysical methods which are used to locate favourable well sites.