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Determination of Borehole Sites for Extensive Irrigation Work in Yobe State, Nigeria.

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Abstract

Geo-electric resistivity soundings were carried out in Bursari, Bade and Jakusko Local Government Areas (LGAs) of Yobe State, Nigeria. This was aimed at determining favourable sites for drilling of boreholes, which will be used as recharge sources for the supply of water for use in irrigation works. The survey which delineated the various rock layers within the sub-surface at the sites, identified which of these layers would be promising for development; determined the thicknesses and depths of these aquiferous layers; and, identified borehole sites. The investigation showed that for an abundance of water supply for extensive irrigation purposes, a depth of between 90m and 110m would need to be drilled at each of these sites. [Journal of American Science 2010;6(2):58-61].(ISSN: 1545-1003).

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