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EVALUATION OF AQUIFER TRANSMISSIVITY IN KARST USING GEOPHYSICAL WELL LOGS

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ABSTRACT

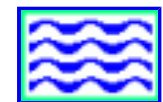
A hydrogeophysical model is presented for the South Havana Basin, Cuba, based on the processing of geophysical well logs, together with transmissivity data obtained from aquifer tests. The model provides clarification of the existing relationship between geophysical well log parameters and flow velocity, and demonstrates that longitudinal conductance is the best predictor of aquifer transmissivity.

Reference: Valcarce, R. M., J. González, and R. Spandre; Evaluation of Aquifer Transmissivity in Karst Using Geophysical Well Logs, Journal of Environmental Hydrology, Vol. 7, Paper 16, October 1999.

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