

INFLUENCE OF BAROMETRIC PRESSURE ON THE WATER LEVEL AT THE OBSERVATION WELLS

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The article deals with the influence of barometric pressure changes on water levels in monitoring wells and other groundwater observation boreholes. An analysis of the problems involved in measuring the groundwater level was performed. A simple procedure to determine the sensitivity of water level in the boreholes to changes in air pressure using BE indicators (barometric efficiency) is introduced. The interpretation of the size and characteristics of the sensitivity of the borehole-aquifer system is shown and some concrete examples of observation wells characteristics are presented.