

Using the Down the borehole Camera Technology for groundwater Inspection in Selangor, Malaysia

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Abstract

The understanding of the aquifer' physical characteristics such as fractured rocks were very unique and challenges when attempting to characterize the movement of groundwater and transport of contaminants. Using the Down the borehole video Camera Technology were used to obtained from the upper surface to the bottom and to support environmental site investigations. The camera was produces real-time recordable video as it is lowered into a borehole and were used to investigate borehole more than two inches in diameter and up to 300 m deep. The present study in Selangor, the video camera were be used to determine borehole casing integrity, to identify constructions or casing damage, to locate and observe groundwater producing intervals. During this study, down borehole camera helpful to determine the construction of borehole for which construction logs or records are not available. In conclusion, the camera was also useful for locating groundwater producing fractures zone in selected borehole in Selangor.

Keywords-- groundwater, down well camera, bore hole, well casing, and fractured zone