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## **GROUNDWATER MONITORING SYSTEM IN THE KOTA BHARU AREA, KELANTAN**

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A pilot groundwater monitoring system was designed and implemented for the Kota Bharu-Tanjung Mas-Pengkalan Chepa area. In which considerable groundwater is being exploited for public water supply. The system consists of nineteen numbers of 75 mm - diameter wells, of which five wells each are located in Kota Bharu and Pengkalan Chepa, and nine wells in the Tanjung Mas area. The depth of the individual wells vary from about 30 metres to 130 metres, and are designed to permit sampling and measurement of hydraulic parameters at horizons corresponding to the major aquiferous zones.

Periodic samplings and analyses of groundwater, and measurements of pressure head are being undertaken as part of a long-term groundwater surveillance programme to monitor and manage the groundwater resources of the area.