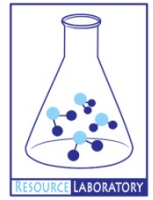




GROUNDWATER QUALITY ANALYSIS REPORT

Prey Veng - Kanhchriech - Kouk Kong Kaeut (35A)



Kouk Kong Kaeut is located in the district of Kanhchriech. The population of this commune is approximately 4991 (2004). Groundwater sample collection occurred in October 2007 and consisted of the sampling of 20 tube wells throughout the commune. The attached figure presents the location of Kouk Kong Kaeut within Prey Veng as well as groundwater sample locations and exceedances of health-impacting contaminants (when applicable).

Groundwater Quality Rating

The groundwater quality rating for Kouk Kong Kaeut is 35A. Therefore, the general safety of deep aquifer groundwater is extremely poor and the aesthetic quality of the water is excellent, according to the contaminants measured and samples collected. The following two sections describe all major health and aesthetic contaminants that exceeded drinking water standards in at least one sample within the commune.

Contaminants of Potential Concern – Health

Fluoride - Elevated concentrations of Fluoride were observed within the commune. The estimated probability of encountering unacceptable concentrations of Fluoride (>1.5 mg/L) in tube wells is 70%, based on the observed data. At concentrations greater than 1.5 mg/L, Fluoride can cause dental fluorosis and at concentrations greater than 4 mg/L, skeletal fluorosis can occur.

Contaminants of Potential Concern – Aesthetic

No aesthetic-impacting contaminants of concern were observed within this commune.

