



Groundwater Quality Analysis using WQI for Sahibabad (Uttar Pradesh)

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Abstract: In the study, an attempt has been made to find physicochemical properties of groundwater samples for Sahibabad Region of NCR, for Ghaziabad District of Uttar Pradesh. To find out the groundwater quality total 10 samples have been collected and tested. Total seven parameters, namely pH, conductivity, turbidity, residual chlorine, total dissolved solids, chloride and fluoride were determined. Water quality index (WQI) has been determined by weighted arithmetic water quality index method. WQI shows that samples fall in the excellent water quality whereas 5 samples fall in good water quality. Only one sample falls in the poor quality of water category. The overall water quality for the region shows water is acceptable for drinking use.

Keywords: Groundwater, WQI, Weighted arithmetic mean method, Water quality
