



Evaluation of pH and Total Dissolved Solid of Borehole Waters in Three Local Government Area of Imo State

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Abstract: A total of 135 samples were collected from the three local governments. Forty five water samples from forty five boreholes covering the whole communities that make up each of the local governments area of the state. The pHs of the samples were examined using Jenwey pH meter and hand TDS meter. Samples of Owerri municipal were slightly lower in pH with an average of 3.85, while those of Owerri North and Owerri west were slightly higher with an average pH of 4.29 and 3.86 respectively, though the pH of the area under investigation are generally low which indicates acidity of the water samples. The samples were generally of good quality with respect to the TDS, but that of Owerri municipal was higher (70mg/l) than those of Owerri North and Owerri West (15.28mg/l and 18.08mg/l respectively).

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