

GROUNDWATER POLLUTION DUE TO MIGRATION OF COLIFORM AND FAECAL COLIFORM BACTERIA, ITS SOURCES AND PROTECTION

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The bacterial contamination of groundwater in shallow aquifers (45 to 85 feet depth) was determined in the Wah Cantonment area, Pakistan. The groundwater samples were collected from dugwells in various settlements in private sector. The samples were analysed by using the multiple tube method for estimating coliform and faecal coliform bacteria.

The groundwater of shallow aquifers has been found highly polluted due to bacterial contamination. The disposal of sewage waste through the dugwell system is the main cause of bacterial contamination, which is reaching alarming proportions by WHO standards.