



# Evaluating Community-Wide Water Drilling Projects on Rural Ethiopians' Drinking Water Quality: A Policy Analysis

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## Abstract

Community-wide water drilling projects have been implemented in rural Ethiopia to address poor drinking water quality. A mixed-methods approach combining qualitative interviews with quantitative data analysis was employed to assess project outcomes. Drinking water quality showed significant improvement in villages where community drilling projects were initiated, with a 75% reduction in E. coli bacteria levels compared to pre-project baseline. The community-wide water drilling projects have had a positive impact on rural Ethiopians' drinking water quality, warranting further investment and policy support. Policy makers should prioritise funding for sustainable water infrastructure development and regular maintenance of drilled wells in rural areas.

**Keywords:** *Ethiopia, Community Development, Water Quality, Policy Analysis, Cross-Cultural Studies, Mixed-Methods, Impact Evaluation*

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