

# REGIONAL RISK ANALYSIS OF WATER CONTAMINATION IN KERALA, INDIA

## CLIENT

- World Bank
- Kerala (India) State Government / Water Resource Dept.

## SERVICES PROVIDED

- Risk analysis
- Statistical modeling
- Survey design
- Database design
- Project management

## STATUS

Ongoing

## PROJECT SUMMARY

eDD provides a range of technical assistant services for The World Bank – Water and Sanitation Program in a study of water contamination in drinking water wells in the state of Kerala, India. The project involves an analysis of fecal contamination sources and variability across a heterogeneous terrain over a one year period.

To date, eDD has been involved in (a) project proposal design, (b) survey protocol and implementation design, (c) design of information management system, (d) site selection, (e) project management. Analyses of the data will be conducted throughout the coming year as it becomes available.

The survey design will utilize an eco-region framework that enables differences in the landscape to be incorporated into a single analytical approach. Statistical models will identify likely pathways of contamination, periods of elevated risk, and policy and practices that can minimize this risk. Results of this work will contribute to policy dialogues on how best to promote and provide safe and clean water.

Traditional Kerala house and well



Example of public water supply

