

5. Overhaul of abandoned open and unprotected shallow hand-dug borehole, Kenya

- Local partner: Ufanisi Support Group (USG) (#188)
A registered community-based nonprofit charity operating in Kisiwa B in Western Kenya. The organization relieves and protects under-served populations in remote rural villages from ill health, extreme poverty and illiteracy through need-driven water and sanitation, economic empowerment, and educational programs, in partnership with national and international organizations, including the JWF.
- Project budget: \$1,710 (JWF Fund: \$1,500, beneficiaries: \$210)
- Number of beneficiaries: 150 (125 men, 125 women, 500 children)
- Background:
Lack of access to safe water is an obstacle to the survival of 125 households in Soya village. The only water source was a makeshift open and unprotected shallow hand-dug borehole well situated 25m to 1.5km from the village's households. Weak, unprotected walls have released sediments into the borehole well, which is now permanently dry and abandoned. The village now relies entirely on a scoop hole with heavily polluted stagnant runoff water, 3.5 to 4.5km away in a neighboring village. Unsafe water from this open source is consumed by the village's households, leading to deadly waterborne diseases affecting over 85% of village's residents yearly.



Woman at scoop hole water source in a neighboring village



Project site – abandoned borehole well covered with wood



A poverty-hit household and future beneficiary in Soya village

- Details of the project:
 - Hire well experts and volunteer monitors to use a hand auger to remove accumulated layers of sediment and deepen the well by 7 meters
 - Hydrological survey, reinforcement of the borehole well's side walls with linked culverts, construction of an apron, installation of a hand pump, and water quality testing
 - 10 WASH sensitization sessions
 - 15-woman water-user committee to be elected for operations and repairs and maintenance of the overhauled borehole well, in order to ensure its sustainability and long-term benefits