

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 provides relief and protection to under-served populations in remote rural villages, from ill health, extreme poverty and illiteracy through needs-driven water and sanitation, economic empowerment, and educational programs, working in partnership with national and international organizations including the JWF.
- Project cost: \$1,840 (JWF Fund: \$1,500, beneficiaries: \$340)
budget: \$1,710 (JWF Fund: \$1,500, beneficiaries: \$210)
- Number of beneficiaries: 750 (125 men, 125 women, 500 children)
- Background:
A lack of safe water was an obstacle to the survival of the 125 households in Soya village. The village's only water source was a makeshift open and unprotected shallow hand-dug borehole well situated 25m to 1.5km away. Weak, unprotected walls had deposited sediments in the well, which was permanently dry and abandoned. Therefore, the villagers were entirely relying on a scoop hole with heavily polluted stagnant runoff water 3.5 to 4.5km away. Unsafe water from this open source led to deadly waterborne diseases, affecting over 85% of the village's residents every year.

【Before】



Woman at scoop hole water source in a neighboring village



Project site - abandoned borehole well covered by cut-offs



A poverty-hit home and future beneficiary in Soya village

- Details of the project:
 - Removed accumulated layer of sediment and deepened the well by 7 meters. Conducted a hydrological survey, reinforced the well's side walls with bricks, constructed an apron with a door for bucket collection, installed submerged pump, conducted water quality testing and 10 WASH sensitization sessions.
 - Elected a 15-woman water users' committee for operations and repairs/maintenance of overhauled borehole well, in order to ensure its sustainability and long-term benefits.

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【During】



Deepened borehole



Constructed walls



Construction of apron



Well door construction



Ms. Celestine Waswa, 44 years old

I am a single mum, and I paid a high price for quitting my mat-making job due to the huge time needed for water collection. My 5 children also frequently suffered from diarrhea because we drank heavily polluted water. The easily accessible, nearby borehole well in the village enabled me to resume my job. Additionally, none of my children have suffered from diarrhea that previously affected at least one child every day. Thank you so much the JWF for helping our community.



Completed apron



Pump arrival



Pump installation



Pump installation



Ms. Joy Welemba, 32 years old

I produce soap for a living, and I am my family's sole bread-winner since separating from my husband. I have 4 children. Due to the long, tiring distance to water, some days I completely failed to make soap. The fresh water from the borehole after the overhaul with funding from JWF has provided much-needed reliable access to safe water. It has enabled me to make enough soap for sale every day, which has subsequently improved my household's income and livelihood.

【After】



Water collection



Happy water collecting!



WASH awareness session



Mr. James Watoya, 43 years old

As community health officer, I noted with a lot of concern the high prevalence of waterborne diseases caused by consumption of unsafe polluted water from the neighboring village's scoop hole. A substantial number of hard-earned income in the village's households was spent on medication, thereby exacerbating poverty. Since the overhaul of the well in the village with funding from the JWF, villagers are now consuming safe water and waterborne diseases have drastically subsided.