

Masanga Centre

Water Supply Improvement Project

February 2020 - August 2020









Masanga is located in the north western part of Tanzania 8 km from the Kenya-Tanzania border in a hilly, isolated and poor area covering 8 villages. The population of the area is about 40,000.

Located in Tarime District of the Mara region, Masanga Centre includes a Health Center, DREAM Program, Sisters' Convent, a Church, St. Catherine Laboure Day & Boarding School, Association for Termination of Female Genital Mutilation (AFTGM), Lindalva VTC, Gorong'a Secondary School and Masanga Primary School. It has a population of approximately 2,000 people.

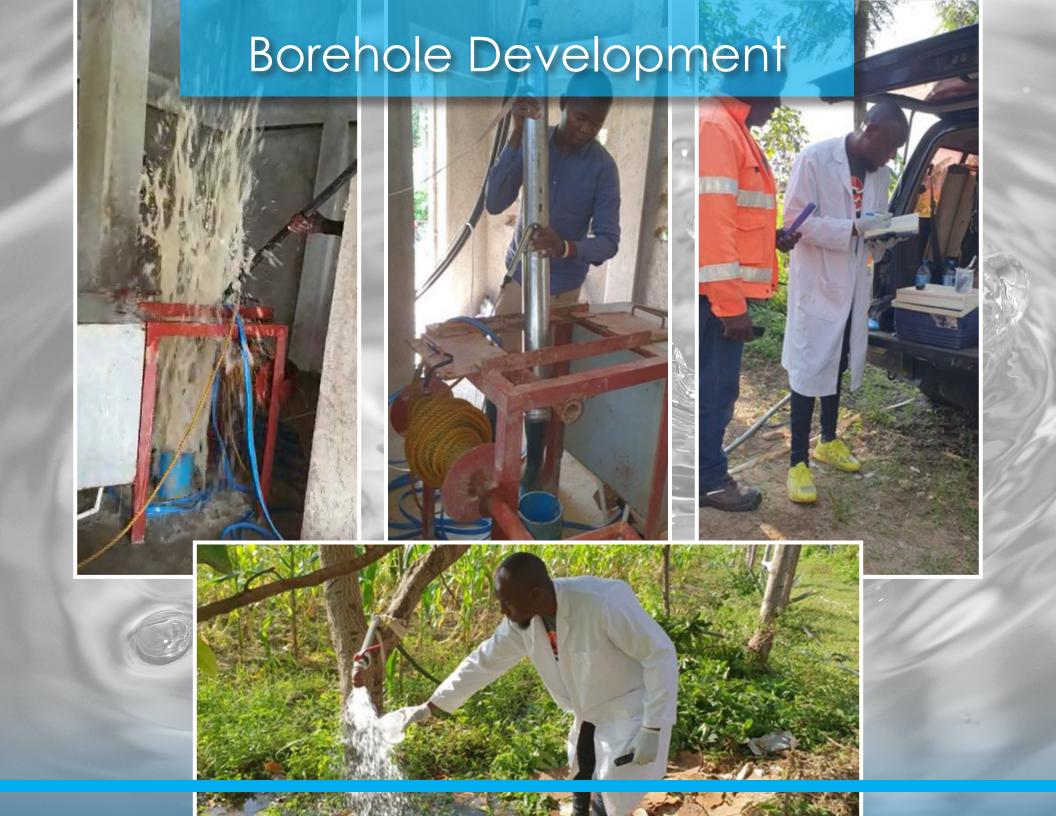
The Bikira Maria Mama Wa Tumaini Health Center and DRÉAM Center offer a variety of valuable services to the people of Masanga including outpatient and inpatient services, surgery, maternity services, ultrasound, HIV/ AIDS treatment, laboratory services, home care, outreach and mobile clinics. The Health Center currently treats approximately 344 patients each month.

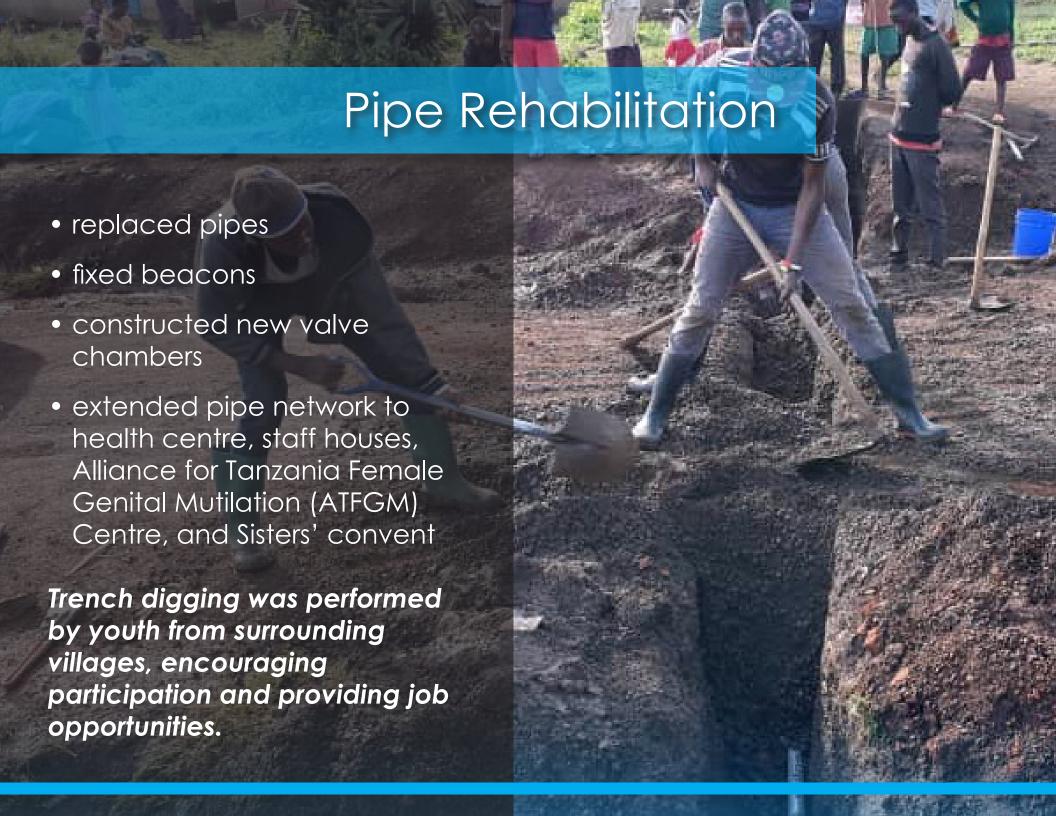
The recently completed water supply improvements project has positively impacted over 4,000 lives and will continue to do so through the empowered communities of Masanga. In addition to the water system improvements, the communities received operations and maintenance training and water, sanitation and hygiene (WASH) awareness education to help ensure long-term sustainability of the water system and the importance of WASH practices. Access to reliable and safe water helps reduce infections, minimize illness, and saves lives!

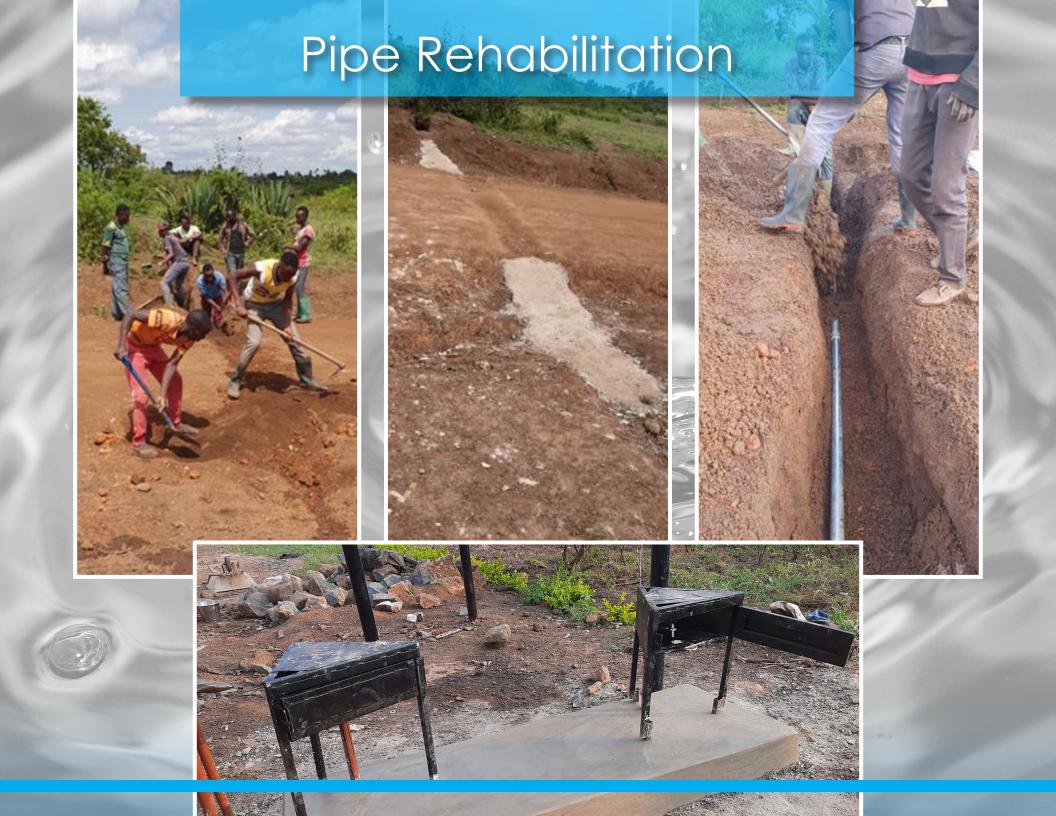










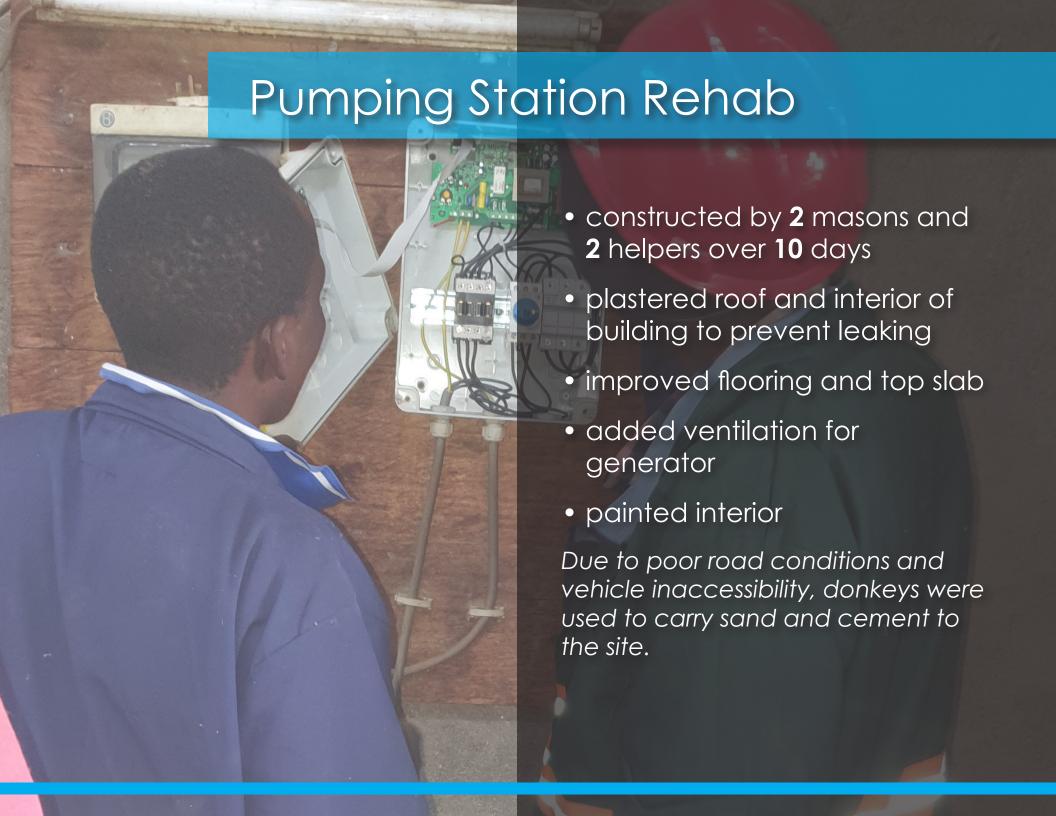








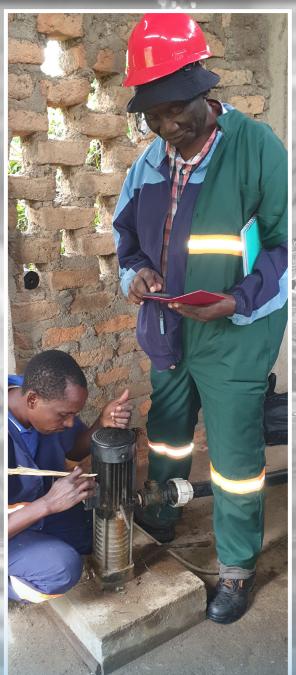
Valve Chamber Construction & Rehabilitation



Pumping Station Rehab









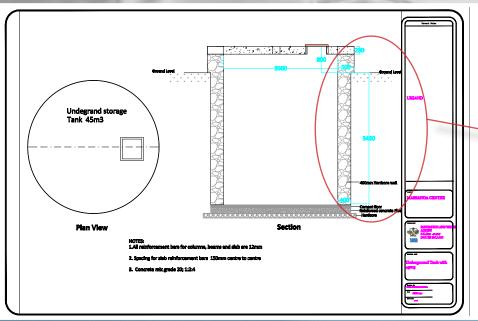
- constructed 3 ten-thousand gallon underground tanks with submersible pumps for St.
 Catherine school, health centre and Sisters' convent
- installed ? new water storage tanks for Garang'a Secondary School, Masanga Primary School, Kenyamosabi Primary School and St. Catherine Labour Primary School
- installed 3 new water storage tanks at the health centre, ATFGM centre and the Sisters' convent
- connected roof/guttering system to tanks for rainwater catchment

Students often spend valuable class hours searching for water.

Access to drinking water through rainwater harvesting will increase class attendance and improve the learning environment.

construction of 10,000 gallon (37 cubic meters) below grade tanks







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construction of 10,000 gallon (37 cubic meters) below grade tanks





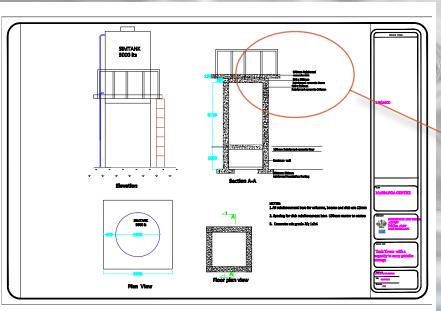






Construction of Tank Towers







Construction of Tank Towers







Construction of Tank Towers











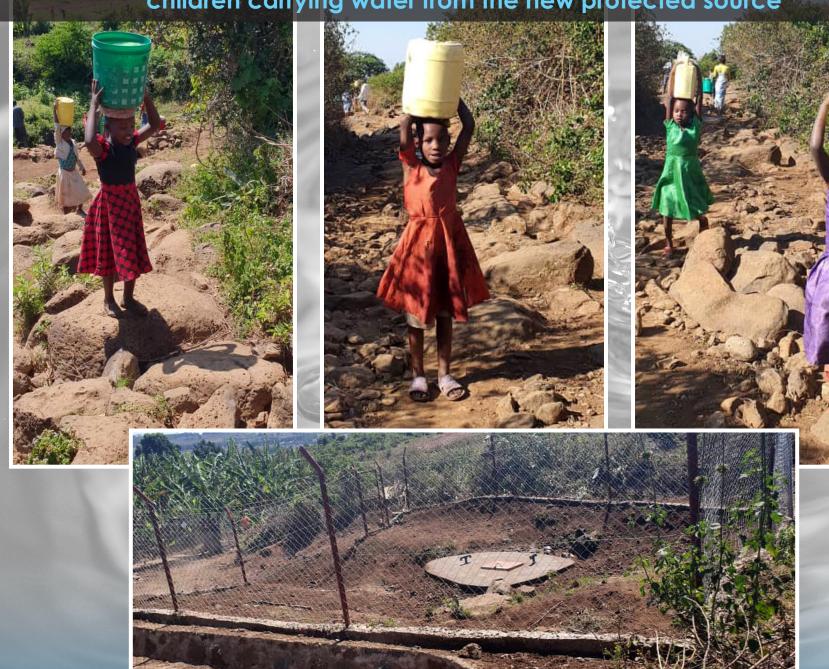






Spring Protection

children carrying water from the new protected source





Kenyamosabi Well

After 22 years of not working, the Kenyamosabi Well is now completely functional and expected to serve over 73 households throughout most of the year.

Ngonche Shallow Well

Because of the overwhelming response by the community with volunteer labor and transportation of building materials, the Ngonche Well was included for rehabilitation after project mobilization.

This second well has successfully been restored and will serve over 165 households in Ngonche and surrounding sub-villages year-round.











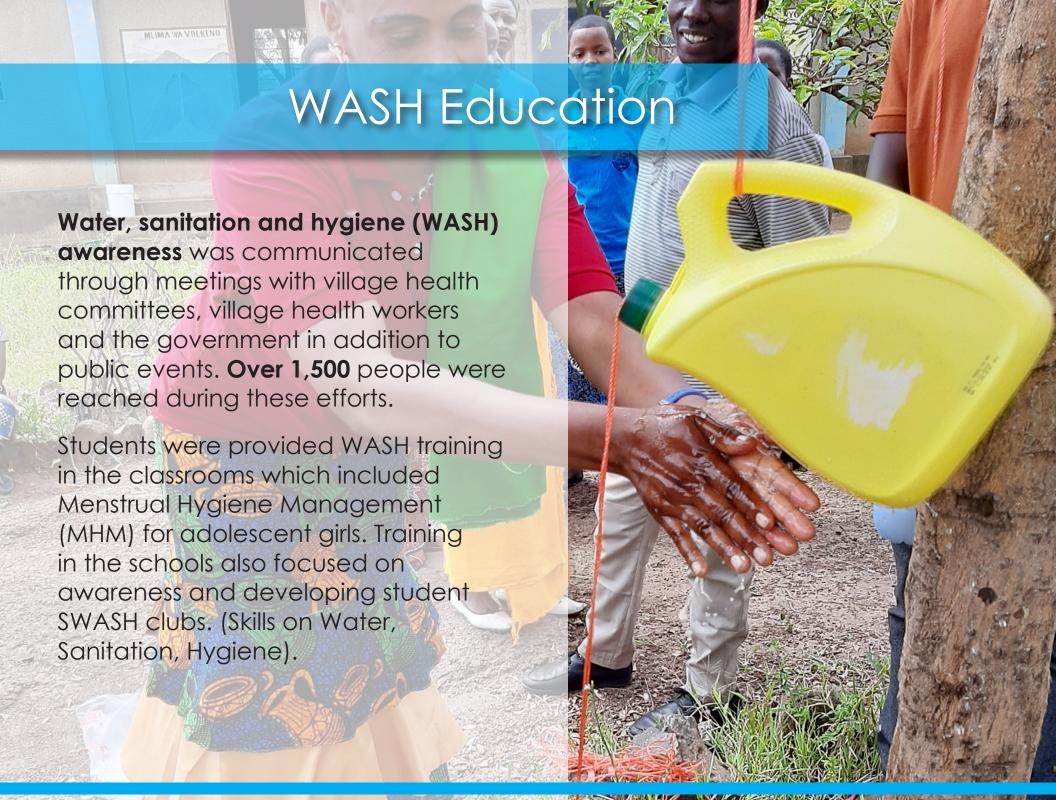


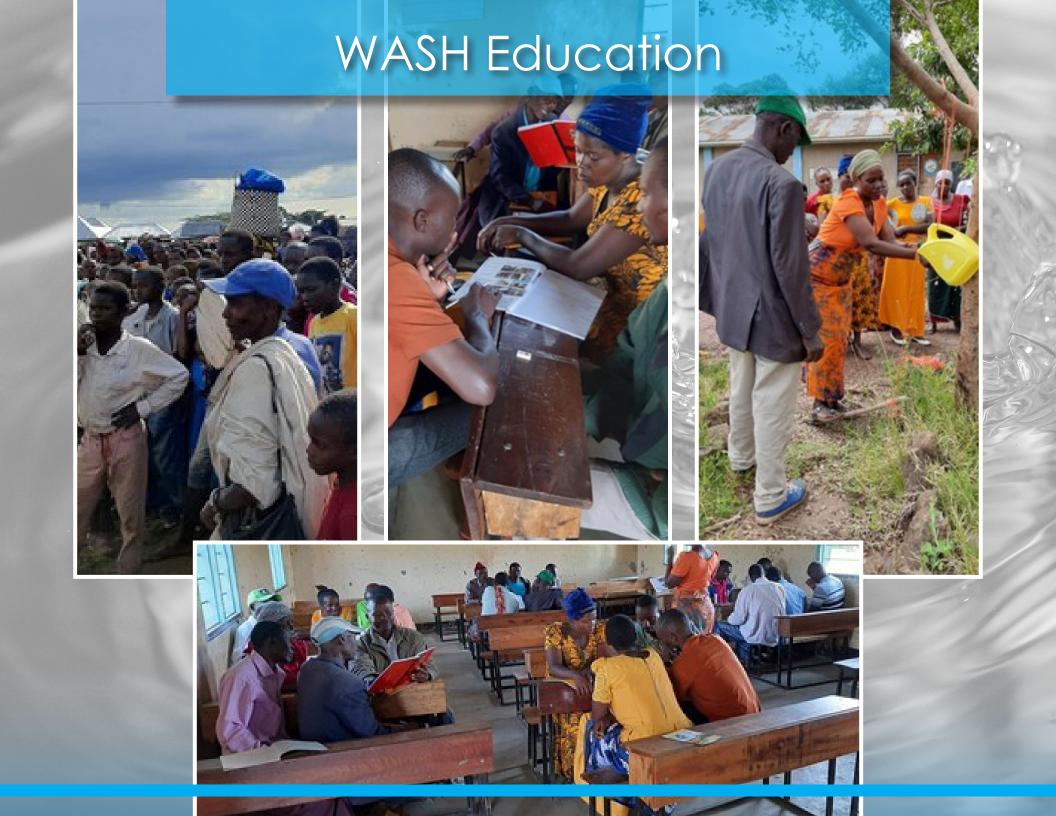














Systems often fail due to lack of capacity to operate and maintain the water facilities.

To ensure sustainability of the water systems in place, multiple training sessions were provided for the community.

These sessions included operations and maintenance training, community roles and responsibilities, financial management and use of water funds, in addition to water source conservation and protection.

Masanga Centre

Water Supply Improvement Project

constructed
4 tank towers

rehabilitated and constructed 14 valve chambers

assessed and
improved
1 borehole

rehabilitated 2 wells

protected
2 springs

rehabilitated

1 pump station

facilitated community WASH education events

installed

5 new water flow meters

installed

12 new water storage tanks

installed

3 underground rainwater harvesting tanks

IMPACTED OVER 4,000 LIVES!



Daughters of Charity of St. Vincent de Paul International Project Services (DCIPS) facilitates international funding and other resources, and develops relationships that support Daughter of Charity projects that minimize human suffering and foster sustainable solutions to global poverty at the local level.

Project Role

DCIPS facilitated the connection and relationship between the donor, technical experts and the local Daughters of Charity Sisters that run the Masanga Centre facilities. www.daughtersips.org

Water Engineers for the Americas & Africa (WEFTA) is a nonprofit organization comprised of professional engineers, technical advisors and volunteers working together with in-country partners to develop ways to alleviate the problems associated with unsafe water systems and inadequate sanitation for communities in need in Latin America and Africa.

Project Role

WEFTA provided technical expertise, engineering oversight and project management. www.wefta.net



Sanitation and Water Action (SAWA) is an indigenous Tanzanian NGO supporting communities, government and the private sector to identify cost-effective, innovative solutions for WASH projects and sustainable water resources management in Dar es Salaam, Morogoro, Dodoma and Njombe regions.

Project Role

SAWA provided on-site engineering and facilitated local partnerships and project construction. www.sawatanzania.org





The mission of the **Peter J. King Family Foundation** is to provide bricks and mortar funding to organizations whose activities are dedicated to the improvement of children's health, education and welfare, and to building a stronger family environment.

Project Role

The Peter J. King Family Foundation provided the necessary funding to complete this project. www.pjkingfamilyfoundation.org





Changing lives together.







Making connections. Empowering communities. Changing lives.

Water Engineers for the Americas & Africa wefta.net