



**ZAMBIA**  
*Siamalola Village*  
**MOSS INDUSTRIES**

# SIAMALOLA VILLAGE

CHIRUNDU, LUSAKA, ZAMBIA

Latitude: -16.04234 Longitude: 28.83307

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## ABOUT THE COMMUNITY

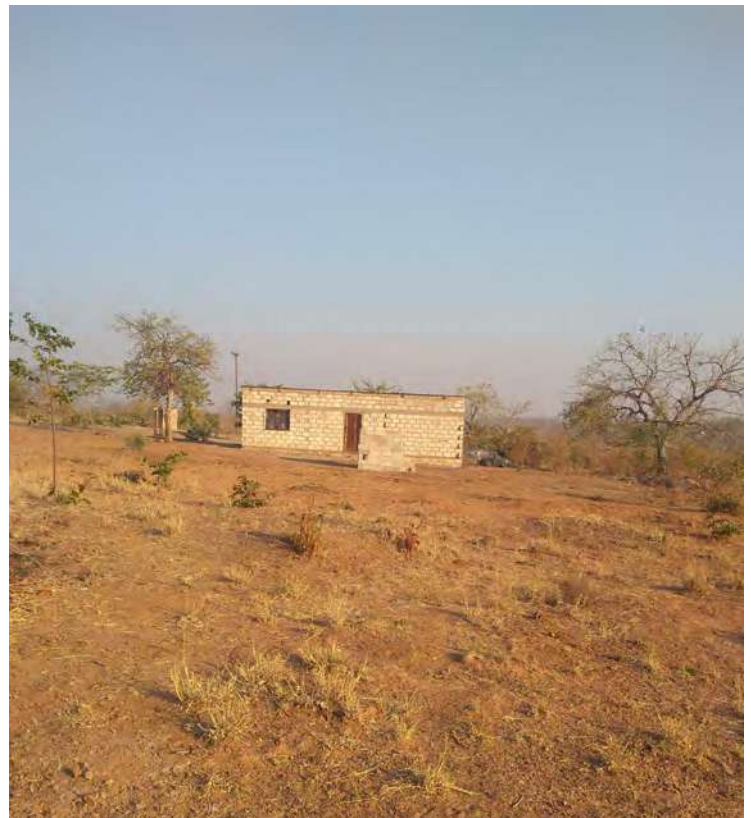
The 310 residents of Siamalola Village risked their lives for the sake of water access. The sole water source near their community was the Zambezi River. Aside from being known as a "mighty" river, the Zambezi was also known for the crocodiles that lurked in the shallows. Crocodile attacks were common among many communities along the banks of this river. In Siamalola Village, lives were lost to crocodile attacks, and others were survivors who lived with traumatic memories. Every day when the women in the community walked to the river to collect water for laundry, cooking, and drinking, they faced their fears anew.

Aside from the risk of crocodile attacks, there were other qualities that made this water source dangerous. The water was rife with contagions and unsafe for consumption. Sometimes, human and animal waste was visible along the banks, and this made the water repulsive to use. Although the community members knew that consuming this water was associated with illness, many did not understand that any contact with unsafe water could cause illness. Diarrhea, dysentery, and respiratory illnesses were all waterborne illness that plagued the community. Furthermore, the mosquitoes that nested along the riverbanks transmitted malaria to those whom collected water—predominantly women. This robbed them of time and energy they needed to care for their families.

The water crisis made physical pain and constant fear a norm in the community. The residents longed to break this pattern.



Although scenic, this river was unsafe for the community members to drink from



This is a view of one of the homes.

A community member named Kashent Chibelo decided to take action. He had heard about Living Water International's work in the region and knew the organization could end the water crisis in Siamalola Village. Living Water Zambia received a request from Kashent and responded by scheduling a visit to the community. Once they arrived and surveyed the situation, they affirmed that a safe water project was essential. They informed the residents of Siamalola Village that a safe water project would begin soon thanks to your generous gift, Moss Industries.

POPULATION	<b>310</b>
MAIN WATER COLLECTORS	<b>women, children</b>
TERRAIN	<b>rural</b>

The Living Water Zambia staff soon returned to begin work. They drilled until they reached an aquifer 40 meters deep. The next step was to case the borehole with PVC and a gravel pack. Then, the staff flushed the borehole to remove sedimentary rock debris, treated the water and tested its safe quality, and then installed the pump mechanism. Finally, they poured a concrete base designed to wick away water in order to prevent mosquitoes from nesting near the well. As the community members pumped water for the first time, they were filled with joy. Safe water would change everything!



Water! The drilling staff have reached an aquifer and flush out the well.



Once the borehole is cased, some community members help the staff lay cement for the well platform, which is designed to wick away water.

## CONSTRUCTION DETAILS

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ALTITUDE **398 m**

DEPTH OF BOREHOLE **40 m**

STATIC LEVEL **11m**

CASING EXTERNAL DIAMETER **100mm**

CASING MATERIAL **PVC**

GRAVEL PACK DEPTH **20m**

PUMP TYPE **HANDPUMP**

SHOCK CHLORINATION **YES**

PLATFORM MATERIAL **CONCRETE**

DRAINAGE CHANNEL **YES**

## WATER QUALITY TESTS

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TOTAL DISSOLVED SOLIDS **327 ppm**

PH **7**

HARDNESS **350ppm**



The well is complete!



Water is life! Thank you for making this community joyful!

## SUSTAINABILITY

The Living Water staff wanted to help the community members learn how to manage their safe water sustainably. They therefore guided the community's nomination of a water caretaker. The caretaker would oversee the use and care of the pump and also collect a small fee per household for water usage in order to save a fund for any future repair costs. The community members were proud to take responsibility of managing their safe water well. The legacy of community-driven solutions will initiate a new season of health, dignity, and hope in Siamalola Village.



This man serves as the community water caretaker.

“We were always challenged when accessing water here in Siamalola Village. We used to walk very far to the Zambezi river. Sometimes, we would walk to a neighboring community to use their pump. The elderly found it very difficult to draw water. Now we will no longer have these problems.”

—*Mesia Manyika, 59-year-old market worker*



Mesia shares her perspective.

## SANITATION & HYGIENE

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Living Water Zambia also led a sanitation and hygiene for the entire community, and 62 people participated. The lessons were interactive and utilized visual elements so that the participants could identify how to prevent disease spread. They learned that, without the careful practice of healthy habits, their safe water supplies could easily be contaminated, putting them at risk for suffering from the water-related illnesses they hoped to leave behind. The Living Water staff were glad to see that the participants were committed to improving sanitation and hygiene in their own homes.

One of the lessons used visual aids to explain how germs and diseases are spread. Handwashing is the best way to safeguard against these threats, the staff explained. They led a demonstration and handwashing practice session and gave the community members the chance to practice. They used a device called a "tippy tap," which was designed to conserve water. The community members learned that they could replicate this device using locally available materials.

The community members were also encouraged to use latrines. They learned to store their water in air-tight containers separate from areas where they bathed, kept animals, or disposed of trash. The community members all left the lessons feeling well-prepared to begin practicing safe habits in their own daily lives. This would not have been possible without the safe water well.



The Living Water staff lead a sanitation and hygiene training.



Community members learn about germ spread through the use of visual aids.

## IN JESUS' NAME

Living Water also held an evangelism session for the community. They taught Bible stories using a new method called Bible storying. This approach uses narration, question-and-response, repetition, and memorization to engage oral-preference learners. In this way, the 35 participants present at the evangelism session received the message of the gospel in a way that was personally relevant to them.

The Living Water staff also led the community members in a well dedication ceremony. They prayed that their safe water well would continue to nourish and protect against disease. Also, they prayed that the community members would be reminded of the *living water* of Christ whenever they drew their safe water from the well.

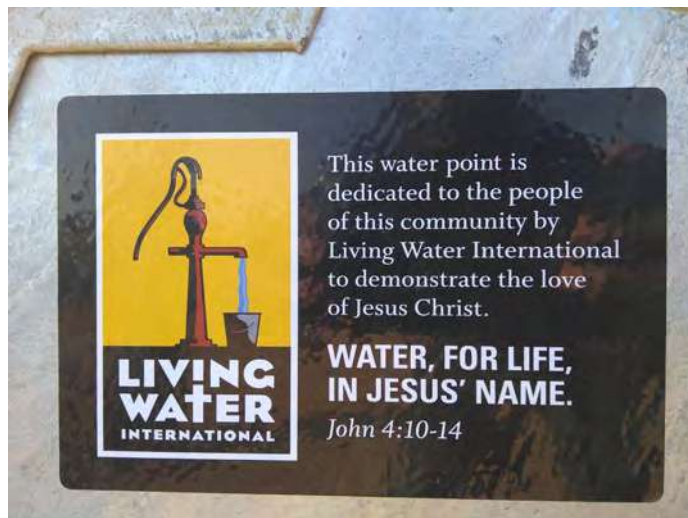
## YOUR IMPACT

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Moss Industries, you ended the water crisis in Siamalola Village! The residents now have plenty of water for all their needs and desires. You also restored time and energy to the women in this community. They will no longer exhaust and hurt themselves carrying water long distances. They will not have to endanger themselves by collecting water from a source where crocodiles live. Sufficient safe water access also frees their minds from reactive patterns of scarcity and rationing. The safe water well you provided facilitates holistic well-being.

The safe water well will also be a reminder to the community members of the hope they find in Christ alone. The water from their well symbolizes the *living water* of Christ, which alone quenches their deepest thirst. Jesus said in John 4:13-14 (NIV) “Everyone who drinks this water will be thirsty again, but whoever drinks the water I give them will never thirst. Indeed, the water I give them will become in them a spring of water welling up to eternal life.”

Thank you for giving water, for life, in Jesus’s name.



Your gift will provide physical and spiritual well-being in this community.