



UGANDA

LIVING WATER INTERNATIONAL • PO BOX 35496 • HOUSTON, TX 77235-5496 • 877.594.4426 • WWW.WATER.CC



THE PROJECT

Project Location: Kidere, Gulu, Uganda

GPS Coordinates: Latitude 02 47.203 N Longitude 032 22.325 E

People Served: 500

Report Presented To: IGO Field Services, INC Douglas, Wyoming

THE COUNTRY

According to the most recent UNDP report, Uganda is ranked 143rd out of 169 countries with comparable data in the United Nations Human Development Index. Here, more than 9 million people live on less than \$1 per day. At 3.3 percent, the population growth rate is one of the world's highest and poses serious challenges to the country's development.

An estimated 940,000 adults in Uganda are currently living with HIV/AIDS. While the prevalence of the disease is on the decline, nearly half of the estimated 2 million orphans in Uganda are orphaned due to AIDS. Preventable diseases such as malaria, respiratory infection, and diarrhea are the main causes of mortality for children under five.

In northern Uganda, nearly two decades of violent conflict between the government and the Lord's Resistance Army (LRA) provoked a severe humanitarian crisis marked by widespread insecurity and massive displacement. Relative peace has returned to the country, and the current government is working to implement a comprehensive recovery and development plan.

Though the population of internally displaced people (IDPs) has decreased in recent years, there are still thousands with no access to clean water. While the war raged in northern Uganda, populations of IDP camps swelled beyond capacity. Unable to supply enough water for the burgeoning populations, many existing wells broke down. Pumps that did not break down from overuse were sabotaged or stolen during the conflict. Wells that once provided clean, safe water are inoperative—forcing people to return to contaminated sources such as hand-dug wells, rivers, and springs.

OUR WORK IN UGANDA

In 2001, when operations in Uganda first started, Living Water International worked in the northern region of the country. Operations have expanded into new regions since then, and wells are now being drilled throughout the country. Living Water Uganda utilizes trained in-country teams and other partners to drill new wells, repair existing broken wells, and teach health and hygiene classes. A recent campaign in Uganda has helped provide clean water for schools throughout the Ruhaama district—an area like many others in Uganda where children can't go to school because of the time they spend collecting water or because they fall ill from drinking the water they fetch from contaminated sources. In the coming year, Living Water Uganda hopes to drill 25 new wells and rehabilitate an additional 24 existing wells.

THE DATA

Population: 27 million

- 36% without access to an improved water source
- 57% without adequate sanitation services
- 37% living below the poverty line
- 710,000 internally displaced people

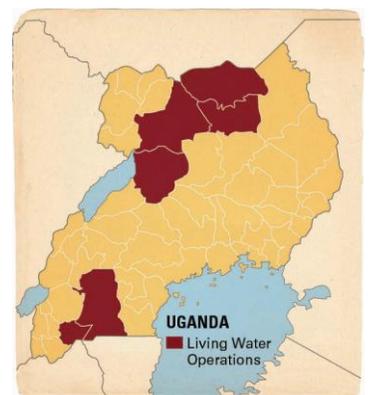
Life expectancy: 53 years

Infant mortality rate:
65 per 1000 live births

GNI per capita: \$420 USD

Sources: World Bank, UNICEF, USAID, CIA World Factbook

Official statistics often understate the extent of water and sanitation problems, sometimes by a large margin. Insufficient resources for monitoring population and/or coverage as well as varying definitions of coverage and access contribute to statistical variability.



GENERAL INFORMATION

The people of the village of Kidere depend on cultivating crops such as beans, corn, peas, sweet potatoes and groundnuts and selling the produce at local markets to provide for their families. When the LWI Uganda team arrived, community members were utilizing an unprotected hand dug well located two kilometers away from the community. Because of this, families were left suffering from cholera, dysentery, typhoid, malaria and other preventable water related illnesses. The LWI Uganda team was pleased to hear that there are covered latrine pits in the community which will help prevent further spread of diseases, however there are community members who still practice open defecation and the common problem amongst the members is having worms. During the teams stay the water committee consisting of two men and four women assisted the team with the water project, provided any available materials and security over the water project during the night. This water committee is also responsible for collecting a monthly well maintenance fee of \$0.50 per household to help sustain the community's water source. In keeping with our Strategic Plan launched in January of 2011, LWI's plan is to train communities to maintain water projects for sustainability. If communities slip back into a situation where they must rely on unimproved water source, our donors' investment is compromised. To help prevent this occurrence, Living Water International engages communities to help in planning, managing and monitoring of rural water supply. The nearest school is located one-tenth of a kilometer away from the community, and now students, teachers, administrative personnel all have access to safe, clean water. LWI Uganda also provided a community member with a LWI Uganda contact numbers in case the community's well were to fall into disrepair, become subject to vandalism or theft. In an effort to ensure project sustainability, LWI program staff is also responsible for visiting the well site annually.

TESTIMONY

The LWI Uganda team had the opportunity to meet with thirty-nine year old, business owner, Goerge Obong and who stated, "It has been very unfortunate that we have been drinking and washing from an open well that is contaminated with feces carried by running water from upstream. This water has caused many of us to suffer from typhoid and even cholera especially during the rainy season like this. We thank the sponsors of this rehab and ask the Lord to bless them mightily."

CHARACTERISITICS OF THE WELL

Project Details

Location Name	Kidere	
Type of Location	Village	
Region/Province/District	Gulu, Uganda	
GPS Coordinates	Latitude:02 47.203 N	Longitude: 032 22.325 E
Altitude	1210 m	
Total depth	45 m	
Static level	13 m	
Diameter of casing	150 mm	
Casing material	PVC	
Screen	Start: 25m	Stop: 31 m
Pump Type	India Mark II	
Depth of cylinder	24 m	
Well yield	20 liters per minute	
Gravel pack	Yes	
Sanitary seal depth from surface	2	
No. of people served	500	

WATER QUALITY TEST

Test Results are from

LWI test Kit

Total Dissolved Solids (as per T.D.S meter) :	480gm/Ltr
pH:	6.5
Total Hardness:	40 ppm
Nitrate/Nitrites:	10/0.5 ppm

Chlorination

Yes

(It is policy of Living Water International to shock chlorinate water wells at a minimum: after completion of drilling and installation of pump and before use by end users, After the well seal is broken during maintenance or rehabilitation and before use by end users.)

HYGIENE EDUCATION

During the hygiene education, the LWI Uganda team addresses: Hand washing, how to properly transport and store water, disease transmission and prevention, how to maintain proper care of the pump, as well as signs and symptoms of dehydration and how to make Oral Rehydration Solution. All of these lessons are taught in a participatory method to help community members discover ways to improve their hygiene and sanitation choices, and implement community driven solutions.

EVANGELISM

A local church has not yet been established however the people in this village especially the women enjoyed the stories about Jesus as the Living Water. The LWI Uganda team read John 4:10-14 and related it to the well that they had just repaired. The team explained that even with this well we will still thirst and that Jesus alone can always quench our thirst. All of the women responded well to the teachings and wanted to have Jesus in their lives. .

PHOTOS



The previous water source, an unprotected water source located two kilometers away from the community to meet all of their most immediate water needs.



Close up of Plaque.



Community members gathered at the well to collect safe, clean water.



The water committee who are responsible for helping maintain the well and who were given a LWI Uganda contact number in case the well were to fall into disrepair, become subject to vandalism or theft.



A completed water project that pumps out and provides safe, clean water.



The LWI Uganda team had the opportunity to meet with thirty-nine year old, business owner, George Obong and who stated, "It has been very unfortunate that we have been drinking and washing from an open well that is contaminated with feces carried by running water from upstream. This water has caused many of us to suffer from typhoid and even cholera especially during the rainy seasons like this. We thank the sponsors of the rehab and ask the Lord to bless them mightily.



The project in process and the community members assisted the team whenever possible.

THANK YOU IGO FIELD SERVICES INC