

WATER WELLS &



12STONE CHURCH

MOZAMBIQUE WELLS PROJECT

APRIL 2011



28 wells | 19,438 people with clean drinking water

Donations from 12Stone Church in Lawrenceville, GA made the construction of 28 wells, serving 19,438 possible since 2010.



7 years | More than 430,000 lives changed with clean drinking water

World Hope International's (WHI) well drilling program began in Mozambique in 2004. To date, WHI has supplied communities in Liberia, Malawi, Mozambique, Sierra Leone and Zambia with clean water wells. To date, 618 wells have been constructed. More than 430,000 people now have access to clean drinking water thanks to the generosity of your congregation and others like you who desire to reduce death and improve health among the poor in Africa.



New Well (left); old water source (below).



Muwawassa Well



The World Hope International drilling crew records the location of the completed wells using GPS technology. A Google Earth KMZ file is provided to view the 28 wells at the level shown in this example. A Google Maps link is also provided for viewing or placement on your website –

<http://tinyurl.com/6ju8k5z>.

Community	GPS Coordinates	Beneficiaries
Muwawassa	S24 51.243 E033 29.269	534
Muzingane Bairro 7	S24 51.422 E033 29.636	712
Muzingaze Bairro 5	S24 52.152 E033 30.754	674
Chimondso A - Mutine/Bilene	S24 58.076 E033 17.161	832
Zavale - Chimondzo	S25 04.259 E033 50.621	713
Benthel Training Center	S25 04.260 E033 50.620	350
Chimondzo B	S24 56.842 E033 17.123	718
Mangaissa -Chissano	S24 53.026 E033 19.048	726
Matagene Bairro 2	S24 58.441 E033 21.837	810
Mbuzi	S24 58.059 E033 21.809	595
Nguenha 1 Bairro B	S24 55.721 E033 23.273	697
Nguenha Bairro 1 - Chissano	S24 55.602 E033 22.881	880
Nguenha Bairro 5 - Chissano	S24 56.332 E033 22.463	486
Benzene 2 - Chissano	S24 54.616 E033 21.494	693
Agostinho Neto Chissano	S24 50.809 E033 28.974	560
Chiaquelane Bairro 4 - Chokwe	S24 47.781 E033 07.898	835
Chiaquelane Bairro 6 - Chokwe	S24 47.336 E033 08.001	800
Marambajane Mangove Bairro 3	S24 39.111 E033 16.811	1,250
Marambajane Casa Agraria B. 2	S24 39.705 E033 16.011	285
Chissano Vuto - Lovane (Chipenhe)	S24 51.255 E033 21.592	978
Chissano - Chimondo Dau Dau	S24 57.281 E033 16.266	692
Bilene Chissano- Matanguene	S24 55.619 E033 22.124	718
Mahunhane - Chimondo	S25 01.410 E033 16.584	650
Chicumbane	S24 59.295 E033 31.823	1,025
Agostinho Neto B. 2000	S24 50.705 E033 29.177	1,105

Community	GPS Coordinates	Beneficiaries
Agostinho Neto B.2	S24 50.862 E033 28.968	0
Marambajane Escola Manono B.7	S24 38.114 E033 14.232	420
Lucila Hospital	S24 51.617 E033 24.743	700

Total Beneficiaries

19,438

Challenges

Mud drilling is challenging at best and the Water & Wells crew in Mozambique **began encountering drilling obstacles in late 2010**. The original mud pump crucial to the drilling process experienced several breakdowns; which required the purchase of a replacement. Ordered in November and shipped on December 12, the pump has yet to arrive. The shipping agent has assured World Hope International that the piece is in route, but the pump must pass through several in-country checkpoints prior to release.

As the calendar flipped to a new year, the drilling crew began to encounter more **challenging geological formations** and after drilling some of WHI's deepest wells, had to give up and fill in a dry hole in three locations. In trying to assist communities in the most desperate need of water World Hope International could not surmount the limited potential for ground water in these areas even after the most earnest of efforts.

Challenges continued into 2011. The Toyota Landcruiser and drilling rig purchased by 12Stone are at the heart of the 100 Wells project. World Hope International is very grateful for the gift of such a critical asset. The Toyota Hilux Pickup Truck and drilling rig and the water hauling trailer are also very crucial to World Hope International 's mission to open up the water potential for those in need. There is interdependence with all this equipment and drilling is slowed and in some cases isn't possible when any piece fails. Thus far in 2011, the Hilux has begun to succumb to the wear and tear of travel and towing and is requiring frequent maintenance, hampering World Hope International's crews ability to maintain project capacity.

Additionally, the trailer that hauls water to the drill site, helping to power the drilling rigs, was severely damaged when a mini-bus hit it. This collision ruined the trailer's axles. Replacements are available but must be imported from South Africa. The World Hope International crews must wait for the arrival of the parts.



**WHI's damaged water trailer (top);
the trailer's damaged axle (above).**

Solutions

The trailer damage is a significant setback yet because WHI's efforts are focused in the municipality of Xai-Xai, the city will help with the transport of water to the drilling site for the short term.

World Hope International is currently working on more permanent solutions to the issues encountered with the water trailer. The most efficient would be to purchase a larger truck with at least a 3.5 ton carrying capacity. A 4'x4' long bed truck would in one vehicle solve the issue of the aging Hilux and the necessity of a trailer, providing room for the necessary water and supplies, as well as tow the rig at the same time. However, several other options are being considered based upon immediate need and capacity.

Thank You

In any great endeavor, challenges and set backs are to be expected. World Hope International remains optimistic that God will provide ingenuity, insight and resources to overcome and keep the 100 Wells Project on track and on budget. In partnering with 12Stone Church, World Hope International accepted the mission to achieve the completion a god-sized project. By the grace of God, the many people of Mozambique so desperately in need of water will have their needs met.

We earnestly invite the community of 12stone Church to also partner with us in prayer for protection of our crews and equipment as we work to drill 100 Wells for the Glory of God!



Loosely translated, this sign indicates how a community well was made possible through funds provided by 12Stone Church.