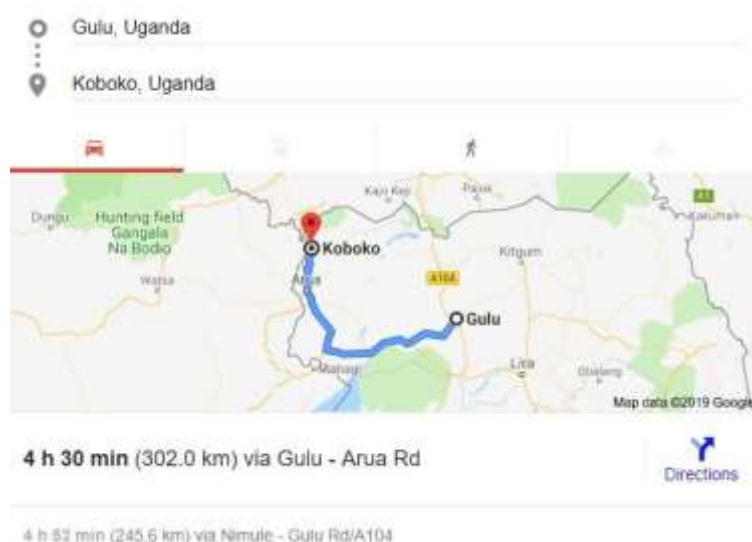


Borehole Report at Koboko selected schools

Background:

African Revival started working in the Koboko District of Northern Uganda in 2016 - supporting five community primary schools. The schools accommodate both local children and refugees from neighbouring Democratic Republic of Congo and South Sudan. These are community schools dependant on parents and well wishers for all kinds of resources ranging from infrastructure, scholastic materials, furniture, and teacher salaries. The schools are located in the remote rural locations in the district in Ludara and Kuluba Sub counties Koboko district West Nile.



It takes approximately 6 hours – with rest stops to reach Koboko from our office in Gulu. There is then further travel of between 1 and 2 hours to reach the remote rural schools we support.

Clean water is vital at schools for good health, sanitation, and significantly impacts attendance. A water source at schools means children are less likely to miss school to collect water, as they can bring a small amount home with them after school - this has a particular impact on girls attendance as it often girls in the family who have this responsibility.

The district officials were all appreciative of the support provided to help meet the school community needs after we advised them that African Revival had secured funding to drill boreholes. They said they were confident these boreholes will contribute to the continued improvement of education in the Koboko District.

Project Timeline:

In 2017 we constructed latrines at 5 schools for pupils and staff (with washrooms for girls) and in 2018 we constructed classroom blocks at 3 of the schools. In September 2018 we received funding for 5 boreholes. In September 2019 we received funding from various Trusts to begin construction of more classroom blocks at 3 of the schools. After this work completes we will look to work with the district education board and headteachers to improve the quality of teaching, and implement long term development projects.

African Revival, Unit 2, Hampton Court Estate, Thames Ditton, KT7 0RG

Tel: 020 8939 3190 catherine.inch@africanrevival.org

www.africanrevival.org | www.facebook.com/africanrevival | www.twitter.com/african_revival

Registered Charity No: 1108718 Company Limited by Guarantee No: 05169063

Boreholes:

In 2018 we secured a donation to drill boreholes at the 5 rural community schools.

During the project launch phase, we engaged with Fields of Life and Drop in The Bucket as both of these partner organisations own a borehole drilling rig and have a good reputation. Fields of Life were unable to commit to the project unless there at least 10 boreholes funded, as they would have to move their rig from another part of the country at considerable expense. The cost analysis, project implementation and training, rig availability, and timeframe led us to work with Drop in The Bucket (who provided the best high-quality drilling). Unfortunately after making an agreement to work together, they encountered a broken drill head to their rig and required a replacement ordered from Thailand. This impacted the project timeline as we waited patiently for the replacement part to arrive.

During this period of time another organisation was able to support drilling at 2 of the 5 selected schools. We proceeded with Drop in The Bucket, and proposed a partnership for the last three. These three schools were Anyau, Nyakaliso and Oyiga Primary Schools.

After the part arrived there was further delay as the roads in Koboko are very poor, making it difficult for the drilling rig to access our schools during or around the rains. However, we were not deterred as we had made a commitment to the schools and their local communities to provide the boreholes.

The first step was to conduct water siting at the schools. We hired a hydrogeologist who conducted in depth reports at each site. The boreholes were all going to be very deep to ensure a consistent water supply.

Drilling eventually commenced in July 2019. We were successful at 2/3 sites but unfortunately at the third site (Oyiga) we did not find water – despite drilling 30 metres deeper than the survey indicated. This is sometimes the case in the Koboko District, where the hydrogeology is very complex. Additional costs were incurred from this dig. AR and Drop in The Bucket agreed to put in another borehole at a new school site, which was surveyed and drilled – Dricile Primary School. Here water was successfully found.



Nyakaliso Community Primary School.

The drilling rig being set up in position.

Drilling of the Borehole commenced on 22nd July 2019 at Nyakaliso Community Primary School, **MR. WAYI DRAGAMULAI** the District Education Officer (DEO)-Koboko on site following the progress from inception to completion. Of the three schools this was first site where Drop in The Bucket started from.



Below the students pose for group photo with some their teaching staff



Borehole number:
DWD 74054

Total drilled depth:
70m
*Yield :*1.1m³/hr
Hand pump installation depth:
39m

Pump type: India Mark II

Direct beneficiaries
Student enrolment:
429 (226 boys/ 203 girls)
Teaching staff: 07 (5 male/2 Female)

Indirect beneficiaries: approximately 1200 people

323 Households



Below water user committee members being trained on their roles and responsibilities.



Anyau Community Primary School is the 2nd community school being supported with a Borehole.



Above parents and students pose for photo as they pump some water for the new Borehole.

Borehole number:
DWD74056

Total drilled depth: 50m
Yield: 2m³/hr
Hand pump installation
depth

Direct beneficiaries

Enrolment 568 (302
boys/266 girls)

Teaching staff 07 (5
male/2 Female)

Indirect beneficiaries:

approximately 3,000
people

482 Households



Inscription on the apron showing the key information.



Members of the school community finally collecting water from the new borehole.



Students at Anyau school enjoying clean water for the first time.

Younger boys and girls will also benefit from these boreholes.



Dricile Primary School is a government aided school and benefited from the support of boreholes to Koboko schools.

Borehole number: DWD74058

Total drilled depth: 50m

Yield: 1.6m³/hour

Hand pump installation depth :30m

Pump type: Indian Mark II

Direct beneficiaries:

Students Enrolment: 884 (478 boys/406 girls)

Teaching staffs: 12 (9 male/3 female)

Indirect beneficiaries:

*Approximately: 2,000 people
350 Households*

A group photo at Dricile and carrying some for storage and use at the staffroom



Budget

Although Drop in The Bucket had a longer implementation period which pushed up costs, Drop in The Bucket securing funding for the other two boreholes are the reason for this underspend.

With your permission we would like to find a solution to the water issues at Oyiga Primary School where our borehole dig was unsuccessful. This is an extremely remote school, and is in desperate need of a water source. We had a similar situation arise this year at a school in Zambia with our partners Just A Drop. The solution we found was to build a ferro-cement rainwater harvesting tank. Here are some pictures of the tank nearing completion:



Even though costs for construction are considerably higher in Uganda we believe the underspend amount should be sufficient to build a rain water harvesting tank at the school.

We can't thank you enough for funding the provision of clean water in the Koboko District. We are confident that these projects will adequately support the schools.