

FF651 Ripple Africa Borehole Repairs in Nkhotakota District FINAL REPORT

FE Reference Number:	FF651
Date of Grant Accepted:	1 st Feb 2023
Amount:	£ 31,564
Name and Location of Project:	Nkhotakota District, Malawi
Actual expenditure:	See Expenditure Section below

Reasons for the request

Ripple Africa began repairing broken boreholes during the Covid pandemic after a request from Nkhata Bay District Council to help people get better access to clean water supplies for handwashing. We were shocked to discover how many boreholes in the districts in which Ripple Africa is working are broken and are unable to be repaired by the District Council Water Maintenance teams due to lack of funding. Fondation Eagle and other donors had already kindly funded repairs to 586 boreholes and shallow wells in Nkhata Bay and Nkhotakota District and Nkhotakota District Council had identified a further 267 in need of repair. They were particularly anxious about getting the repairs carried out as there have been several cholera outbreaks in recent years. This funding from Fondation Eagle was to help us repair a further 100 boreholes in the district.

Project Progress

The start of the project was delayed for two reasons:

- Heavy rains at the start of 2023 had made the ground too wet to allow the work to take place and we had to wait until the rainy season was over before we were able to identify the repairs required
- Nkhotakota District Water Maintenance Office wanted to carry out a full survey of the boreholes needing repairs before the work started so that they could prioritise the ones where the need was most urgent and we could more clearly identify the spare parts required for each.

However, the 100 boreholes have now all been repaired and the list of those repaired is at Annex 1.



Makumba Borehole



Ruben Borehole



Chizongwe Borehole



Harry Nyirende Borehole



Phaso Borehole



Chamuti Borehole



Kafunda Borehole



Lunda Borehole



Mphangwe Borehole



Sosola Borehole



Chalunda Borehole



St Paul's Borehole

Project Beneficiaries

We have identified how many families use each borehole and the school numbers for those located in schools. The total number of beneficiaries for this project is 51,570 – 13,150 of these are children attending schools where boreholes have been repaired. Case studies of some of these people are at Annex 2.

Expenditure

Our project costs were higher than anticipated due to rising inflation and a further devaluation of the Malawi kwacha in November 2023. However, we benefitted from more favourable exchange rates during the project period which offset the increased costs to a certain extent.

The total project costs came to £44, 895 and the overspend was covered by Ripple Africa from our reserves as we were keen to ensure that all the boreholes that we had undertaken to repair were fixed.

Invoices are at Annex 3 and the costs were as follows.

Actual MK									
Health - Boreholes	Ripple Africa Cost Code	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Total
Salaries Ripple Africa Coordinator	HBS	0	0	0	240,900	283,130	399,030	447,501	1,370,561
Travel and Subsistence Ripple Africa	HBA	52,500	745,000	0	0	225,000	0	0	1,022,500
Travel and Subsistence Community	HBC	0	0	0	0	0	0	0	0
Travel and Subsistence District Council	HBD	0	1,413,685	2,123,712	0	0	1,276,320	2,013,632	6,827,349
Travel and Subsistence Engineers	HBE	0	1,796,000	1,860,000	832,600	80,000	1,666,200	1,489,170	7,723,970
Equipment	HBQ	0	5,500,000	0	0	43,238,275	0	0	48,738,275
Other	HBO	0	15,000	134,400	0	93,800	379,000	132,650	754,850
		52,500	9,469,685	4,118,112	1,073,500	43,920,205	3,720,550	4,082,953	66,437,505

Actual £s									
Exchange Rate		1,316	1,382	1,426	1,447	1,463	1,488	2,192	
Health - Boreholes	Ripple Africa Cost Code	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Total
Salaries Ripple Africa Coordinator	HBS	£0	£0	£0	£167	£193	£268	£204	£832
Travel and Subsistence Ripple Africa	HBA	£40	£539	£0	£0	£154	£0	£0	£733
Travel and Subsistence Community	HBC	£0	£0	£0	£0	£0	£0	£0	£0
Travel and Subsistence District Council	HBD	£0	£1,023	£1,489	£0	£0	£858	£919	£4,288
Travel and Subsistence Engineers	HBE	£0	£1,299	£1,304	£576	£55	£1,120	£679	£5,033
Equipment	HBQ	£0	£3,978	£0	£0	£29,546	£0	£0	£33,524
Other	HBO	£0	£11	£94	£0	£64	£255	£61	£484
		£40	£6,850	£2,888	£742	£30,012	£2,501	£1,862	£44,895

We are all extremely grateful for your support for this project and I would like to share an article that appeared in Malawi's Daily Times newspaper on 26th Jan which mentions Fondation Eagle.

By Wongani Mkandawire

NGO rehabilitates 100 boreholes in Nkhotakota

Nkhotakota District Commissioner Ben Tohno says some communities in the district continue to struggle to access clean and potable water due to limited access to boreholes.

According to Tohno, about 400 boreholes in the lakeshore district need rehabilitation while new ones are required in other areas.

Speaking when charity Ripple Africa commissioned 100 boreholes it has renovated in five traditional authorities (TAs) in Nkhotakota, Tohno called on well-wishers to emulate Ripple Africa's gesture.

"The problem of water scarcity is very big in some areas and, as a council, we are still lobbying some well-wishers to help in both drilling and renovating boreholes across the district," he said.

Ripple Africa Country Director Force Ngwira said they will engage a financier to assist them with money to address the gap which the district still has in terms of accessing clean and potable water.

Ngwira was grateful to the council for providing a conducive environment for his team to work, saying the communities have been "very helpful" in making their job of rehabilitating the boreholes easy.

"Ripple Africa would like to be a long-term partner of Nkhotakota District and we will continue to work hand in hand with the council to make sure as many communities as possible can have access to clean water," Ngwira said.

The areas of senior chiefs Kanyenda and Malengachanzi and TAs Kalimanjira, Nkhanga and Mphonde have benefited from the support which was funded by Eagle Foundation to the tune of K50 million. —*Times*



BACK TO LIFE—Tohno pumps water from a borehole

Pam Haigh
 UK General Manager
 2nd Feb 2023

BOREHOLES REPAIRED IN NKHOTAKOTA DISTRICT - JAN 2023

Annex 1

No	District	Traditional Authority	Borehole Name	Households	Schools	Students	Total people
1	Nkhotakota	Kafuzira	Chigadula	120			600
2	Nkhotakota	Kafuzira	Chilisi	95			475
3	Nkhotakota	Kafuzira	Chilizi	130			650
4	Nkhotakota	kafuzira	Chimgonda	98			490
5	Nkhotakota	Kafuzira	Chiyang'ombe	63			315
6	Nkhotakota	Kafuzira	Kasitu Primary	80	1	1200	1600
7	Nkhotakota	Kafuzira	Kateke	111			555
8	Nkhotakota	Kafuzira	Kaweruweru Primary	78			390
9	Nkhotakota	Kafuzira	Machenya	90			450
10	Nkhotakota	kafuzira	Mazengera	70			350
11	Nkhotakota	kafuzira	Mbiri	100			500
12	Nkhotakota	Kafuzira	Mjuwa	90			450
13	Nkhotakota	kafuzira	Mphamba	110			550
14	Nkhotakota	Kafuzira	Mphapa	102			510
15	Nkhotakota	Kanyenda	Bobu	70			350
16	Nkhotakota	Kanyenda	Chalunda	62			310
17	Nkhotakota	Kanyenda	Chanyeka	50			250
18	Nkhotakota	Kanyenda	Chia	50			250
19	Nkhotakota	Kanyenda	Chidothi	55			275
20	Nkhotakota	Kanyenda	Chidothi II	30			150
21	Nkhotakota	Kanyenda	Chiluvya	70			350
22	Nkhotakota	Kanyenda	Chitedze	81			405
23	Nkhotakota	Kanyenda	Chunga	40			200
24	Nkhotakota	Kanyenda	Gochi	54			270
25	Nkhotakota	Kanyenda	John II	45			225
26	Nkhotakota	Kanyenda	Kafunda	150			750
27	Nkhotakota	Kanyenda	Kalimkhola	88			440
28	Nkhotakota	Kanyenda	Kankhomba	100			500
29	Nkhotakota	Kanyenda	Kaongozi T.C	100			500
30	Nkhotakota	Kanyenda	Kasiyaphanzi	100			500
31	Nkhotakota	Kanyenda	Katengeza	50			250
32	Nkhotakota	Kanyenda	Kaziputa	75			375
33	Nkhotakota	Kanyenda	Kulinji	60			300
34	Nkhotakota	Kanyenda	Lunda	62			310
35	Nkhotakota	Kanyenda	Maliwa	88			440
36	Nkhotakota	Kanyenda	Malizenje	25			125
37	Nkhotakota	Kanyenda	Mphangwe	60			300
38	Nkhotakota	Kanyenda	Msenjere Primary School	90	1	1100	1550
39	Nkhotakota	Kanyenda	Mvula	190			950
40	Nkhotakota	Kanyenda	Ngala Primary School	59	1	1500	1795
41	Nkhotakota	Kanyenda	Njoka	61			305
42	Nkhotakota	Kanyenda	Nkhombo	62			310
43	Nkhotakota	Kanyenda	Nkhunga Secondary	150	1	1500	2250
44	Nkhotakota	Kanyenda	Nkhunga Health Centre	0	1	1000	1000
45	Nkhotakota	Kanyenda	Nyanje II	0	1	500	500
46	Nkhotakota	Kanyenda	Phaso	90			450
47	Nkhotakota	Kanyenda	Samba	59			295
48	Nkhotakota	Kanyenda	Sosola 1	203			1015

49	Nkhotakota	Kanyenda	T.A Kanyenda	102			510
50	Nkhotakota	Kanyenda	Tito	67			335
51	Nkhotakota	Malengachanzi	Chamalala Primary School	64	1	1000	1320
52	Nkhotakota	Malengachanzi	Chimbuto	50			250
53	Nkhotakota	Malengachanzi	Chimbuto II	80			400
54	Nkhotakota	Malengachanzi	Harry Nyirenda	50			250
55	Nkhotakota	Malengachanzi	Kalimanjira	67			335
56	Nkhotakota	Malengachanzi	Kanyidula	60			300
57	Nkhotakota	Malengachanzi	Lizinda	50			250
58	Nkhotakota	Malengachanzi	Lunda	150			750
59	Nkhotakota	Malengachanzi	Makumba	98			490
60	Nkhotakota	Malengachanzi	Malasa 2	107			535
61	Nkhotakota	Malengachanzi	Mbaluku	88			440
62	Nkhotakota	Malengachanzi	Mkazi Masika School	70	1	850	1200
63	Nkhotakota	Malengachanzi	Mkuwa	59			295
64	Nkhotakota	Malengachanzi	Mlamba	70			350
65	Nkhotakota	Malengachanzi	Mpata Primary School	150	1	1000	1750
66	Nkhotakota	Malengachanzi	Mphozongo	57			285
67	Nkhotakota	Malengachanzi	Mtanga I	72			360
68	Nkhotakota	Malengachanzi	Mtenjeze	150			750
69	Nkhotakota	Malengachanzi	Muyepa	53			265
70	Nkhotakota	Malengachanzi	Nkhotakota CCAP	92			460
71	Nkhotakota	Malengachanzi	Paulungu	70			350
72	Nkhotakota	Malengachanzi	Salawe	52			260
73	Nkhotakota	Malengachanzi	Sasani I	65			325
74	Nkhotakota	Malengachanzi	Sasani II	80			400
75	Nkhotakota	Malengachanzi	Stephano	72			360
76	Nkhotakota	Malengachanzi	Tandwe I	100			500
77	Nkhotakota	Malengachanzi	Vinjenje	75			375
78	Nkhotakota	Mphonde	Benga	50			250
79	Nkhotakota	Mphonde	Bua Admark	100			500
80	Nkhotakota	Mphonde	GVH Chizuma	65			325
81	Nkhotakota	Mphonde	GVH Kapakasa	72			360
82	Nkhotakota	Mphonde	GVH Katunda	90			450
83	Nkhotakota	Mphonde	Kayenje Primary School	56	1	1000	1280
84	Nkhotakota	Mphonde	Mpondagaga	55			275
85	Nkhotakota	Mphonde	Mtandira Primary school	60	1	1300	1600
86	Nkhotakota	Mphonde	Mteya	56			280
87	Nkhotakota	Mphonde	Petulo duwa	64			320
88	Nkhotakota	Mwadzama	Nambela	90			450
89	Nkhotakota	Mwadzama	T.A Mwadzama	75			375
90	Nkhotakota	Mwadzama	Thanga	67			335
91	Nkhotakota	Mwansambo	Chipafu	70			350
92	Nkhotakota	Mwansambo	Chipalanjira	53			265
93	Nkhotakota	Mwansambo	Chisemphere	60			300
94	Nkhotakota	Mwansambo	Katekete	65			325
95	Nkhotakota	Mwansambo	Mbawala	78			390
96	Nkhotakota	Mwansambo	Nambeta	59			295
97	Nkhotakota	Mwansambo	Simwini	68			340
98	Nkhotakota	Mwansambo	Thandaude	70			350
99	Nkhotakota	Nkhanga	Ndondongwe	50	1	200	450
100	Nkhotakota	Nkhanga	Nkhanga	25	1	1000	1125
			Totals	7684	13	13150	51570



Muyepa Village community members used to drink unsafe from streams which were more than 3 kilometers away from the village as their borehole had been broken for more than 12 months. The photo shows the quality of the water that they were using. Some were able to afford to buy water treatment products such as chlorine, but many could not.

The borehole has now been fixed and more than 50 households now have access to clean and safe water.

Mrs. Patricia Lemani is delighted that she is now able to find safe water close to her home, because now she is able to prepare breakfast for her children so that they go to school in good time.

She also now has enough time sell fish at the market, which has really improved their family income as she is the sole breadwinner in the family.



Melina Bakali of Mbewa village has asked us to thank everyone involved in this project as she is extremely happy that now she has enough time to run her business selling vegetables while they are still fresh.

When their borehole (called Stephano) was broken, she had to walk more than 3km to fetch water which took her a considerable amount of time as she has to do this several times each day.

Also she felt unsafe there as the villagers living closest to that borehole considered that the water belonged to them and that people like Melina were stealing it. Fights sometimes broke out at the borehole and Melina is delighted that she no longer has to experience this.

Agness Chisale of Malasa village is extremely happy because her nearest well has now been repaired after many months without safe water within their village.

Now she will be able to save the money she was using to buy water treatment products to use on water collected from their nearest river, such as chlorine. She intends to use this money on her children's transport to and from school.



Estery Nkhoma is from Chiyang'ombe village and is really pleased that their borehole has now been fixed as she now has enough time to prepare breakfast for her children and husband before they leave for their school and the family farm.

Estery used to travel more than 3km to get to her nearest working water point and she is now using the extra time to run her banana selling business.

Village headman Malizenje is extremely grateful that the borehole in his village has been repaired as he will have more free time to work on his farm and watering his crops will be much easier and quicker.

Before the borehole was fixed, he was also spending a lot of time helping people in his village who were ill because of water borne diseases such as cholera. He also had to deal with dealing with quarrelling due to the pressure of people trying to use the one working borehole near their village. He is very happy that he will no longer have to do this!



Villagers using **Mvula Borehole** used to fetch water from the river which is more than 4 kilometers away from the village. It was very difficult for them to do this during the rainy season because the water was mixed with mud from the rainwaters.

Their borehole is now fixed and is now helping more than 200 households have access to clean and safe water.