

Ensuring Full Water, Sanitation and Hygiene (WASH) Coverage for All: World Vision Experience in Zambia

Introduction

- World Vision International (WVI) has set a strategic goal to reach everyone in World Vision's programming areas with clean, safe water, dignified sanitation, and appropriate hygiene behaviors (WASH).
- WV Zambia set out to achieve full water, sanitation and hygiene coverage for all in three programme areas (Kapululwe, Makungwa and Twachiyanda) by the end of 2014.
- To evaluate the status of WASH access and bridge the gap to full WASH coverage for all, WV Zambia conducted an assessment in February 2014.

Methods

- 528 villages, 69 schools and 16 clinics were assessed using a multiple indicator survey tool.
- Covered themes were functionality, water quality and sustainability

Results

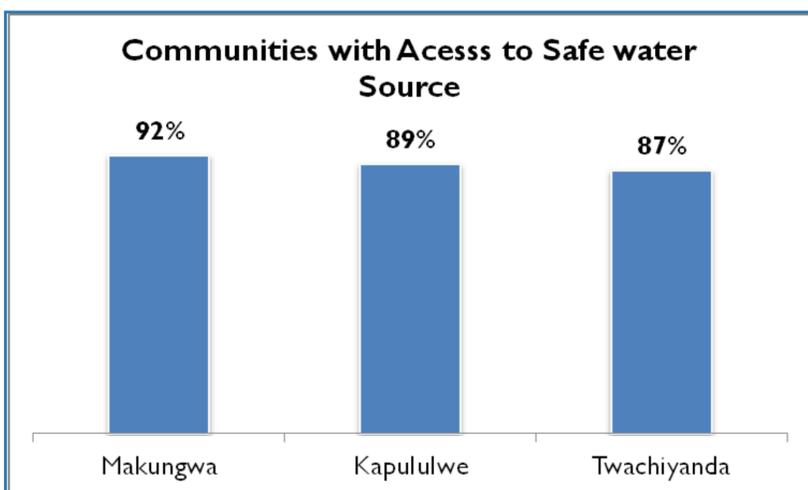


Table 1. Time taken to water source

Number of households Accessing safe Water within Specified time & unsafe source	Number of households Accessing safe Water within Specified time & unsafe source		
	Makungwa	Kapululwe	Twachiyanda
Less than 30 mins	75%	54%	51%
31 – 1 hour	15%	27%	28%
1 – 2 hours	1%	6%	7%
More than 2 hours	1%	2%	1%
Un safe water source	8%	11%	13%

Table 2. Distance to water source outside the village/clinic/school

Average distance covered by communities with access to safe water source located outside village/school/clinic	Average distance covered by communities with access to safe water source located outside village/school/clinic		
	Makungwa	Kapululwe	Twachiyanda
Average distance covered	331 m	1236 m	2800 m
Long distance covered	1500 m	5000 m	6000 m
Shortest distance	30 m	100 m	500 m

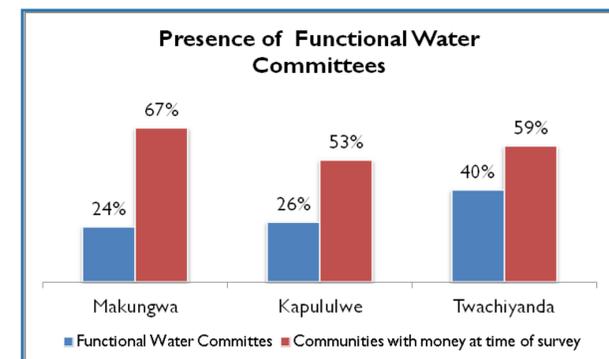
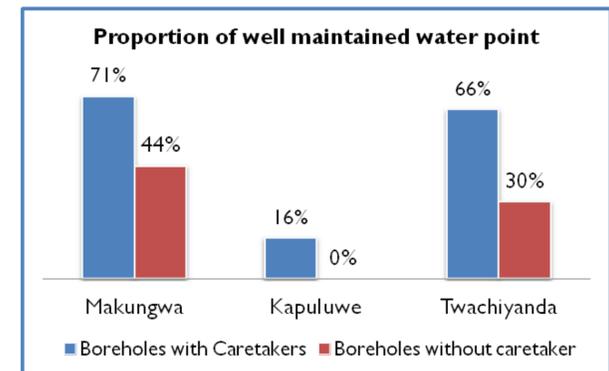
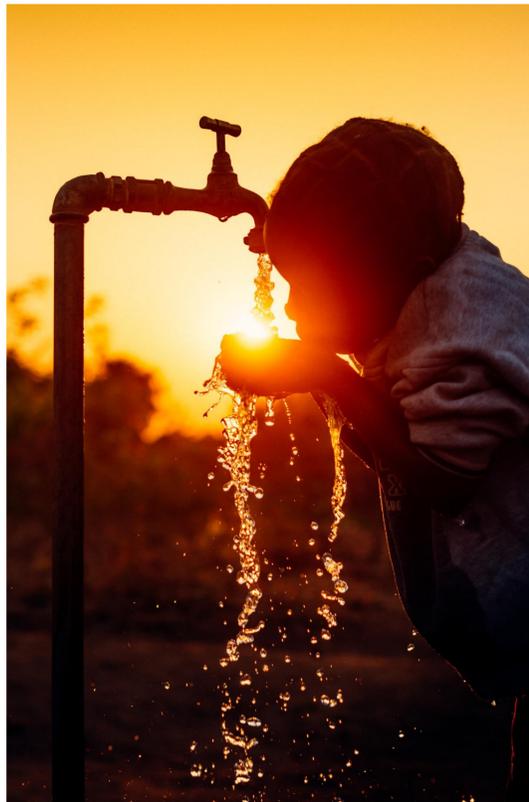


Table 3. Length and frequency of breakdown of water points

Name of ADP	Kapululwe	Makungwa	Twachiyanda
Number of Boreholes	178	255	172
Number of Boreholes that broke last year	92	57	103
Time Water point not Functional			
Less than a Week	26	57	45
Less than a Month	31		45
More than a month but Less than 2 Months	12		6
More than 2 months	23		7
Frequency of breakdowns			
Once	47	57	68
Twice	23		23
Three times	6		7
More than 4 times	16		5

Summary

- Though access to safe water was quite high (average 90 percent), when combined with the recommended time of less than 30 minutes round trip from the household, only an average of 60 per cent of households had safe water accessible to their home.
- To achieve complete water coverage, additional water points with effective committees and water fee collection systems were needed.
- Mechanized water systems were recommended for communities where more than 500 people were accessing water from one water point.
- Survey data showed, on average, only 30 per cent of water committees were functional, indicating a need to strengthen community capacity.

Conclusion

WV Zambia used the findings of this survey to achieve full coverage in one of the three programme areas in 2014 and move World Vision forward toward its 2030 goal. Community-led Total Sanitation was also used to achieve 100% Open Defecation Free status in the programme area. Learnings from this approach can be applied in other areas in Zambia and in other countries to expand the potential of reaching universal access to WASH.

Steps taken after the project

- Held stakeholder meetings on sustaining universal coverage and determined cost and partner contribution
- Trained communities in operations and maintenance and encouraged formation of water committees to manage the entire infrastructure
- Formed 28 water committees and 28 artisans trained in addition to the 58 already existing artisans.
- Formed other community structures such as village hygiene and sanitation watch groups
- Opened a spare part where local artisans and community members could access spare parts and the technical support
- Encouraged committees to register the water point in the village saving and lending organization so that money can grow through accumulated interest; this has been seen to help the communities raise more money for operations and maintenance.



7th Rural Water Supply Network Forum, Abidjan, Cote d'Ivoire, 2016
WATER FOR EVERYONE