



Abstract

The population boom of Uganda is resulting in the exhaustion of current water sources as well as an increase in water pollution and diseases. Due to Uganda's high rainfall records, rainwater catchers are a viable solution. Another solution would be to give the population further education on the maintenance of the new sources to keep up their efficiencies.

Background

With an increasing population in Uganda, the demand for clean drinking water has also risen. The contamination of the groundwater is not well-known by Uganda's residents, especially those of the capital city, Kampala. The use of inadequate waste-disposal techniques greatly harms the environment--fecal matter contaminates shallow groundwater that eventually pours into water sources. The Ugandan government has failed to act and, with a population that is expected to double in the next 20 years, water and sanitation systems must be improved.

Project Goals

- Investigate ways to improve Uganda's sanitation systems
- Promote awareness to our local community as well as Kampala's citizens about the water crisis by supporting a charity
- Support a charity that can provide a safer way to attain clean drinking water
- Raise funds to support charities that have the means of implementing such solutions

Methods

By looking at charities already proposing solutions to the problem, we found that hand dug wells, drilled wells, and rainwater catchment tanks are common solutions. With further research, we decided that rainwater catchment tanks would be a sustainable solution. Since the lack of knowledge is also an issue, we looked into organizations that support spreading water education and awareness in Uganda. Through this, we found WaterAid, a charity that supports the area with both of our primary goals in Uganda.

Results

Through WaterAid, we were able to create a website for online donations. Between a bake sale at WPI and the money we collected online, we were able to bring water and education to the people of Uganda.

So far we have raised over **\$500**



Conclusions

- Improve the education of Kampala's people because many of them do not realize that they are contaminating their limited resources
- Promote the use of rain catchers in this area of the world



<http://thewaterproject.org/images/watertank2.jpg>

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