



A SINGLE DROP FOR SAFE WATER

“Communities United Through Water”



GUINDULUNGAN Maguindanao

The Bio-Sand Filter's impact on a conflict affected community

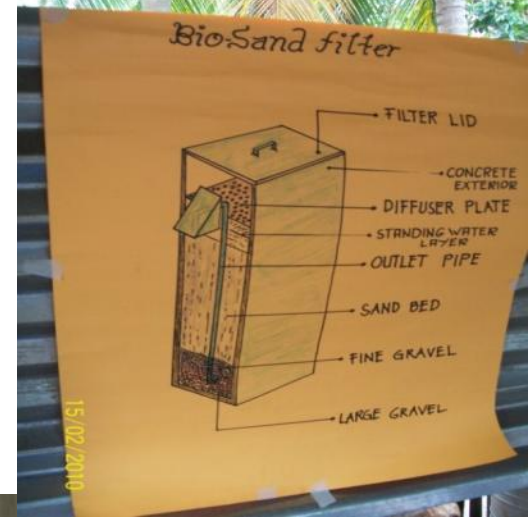
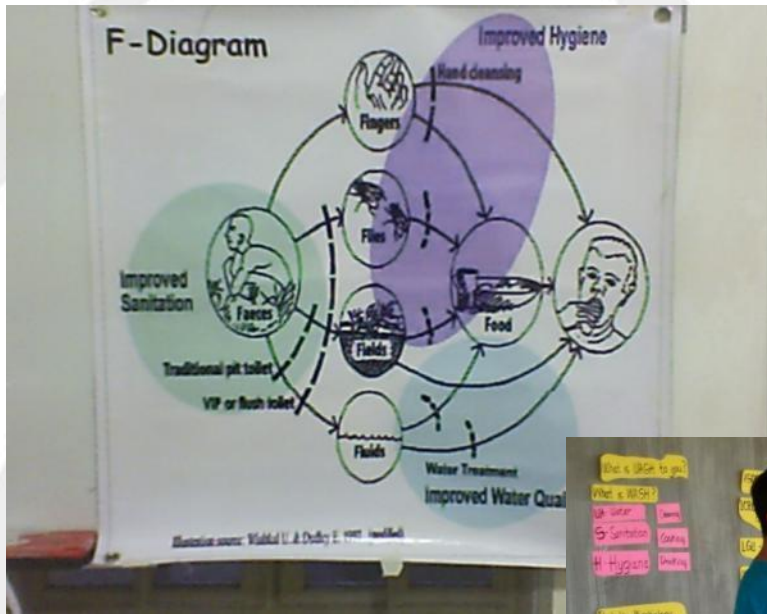


Project Details

- International Committee of Red Cross Funded
- ASDSW facilitated orientation of users and implementation of filters
- ASDSW surveyed users
- Local Implementing organizations and a contractor built the filters and prepared the media
- LGU provided counterpart in the form of transportation and support within the field
- Target barangays Muti and Tambunan 2

- Orientations
 - 678 participants
 - Sources of contamination
 - Effect of contamination on health
 - The Bio-sand Filter
 - The project
 - Sharing of test results from their sources
 - Islamic Perspective on WASH
 - February 11-25 2010





Implementation

- 226 Filters installed
 - Feb 11 to March 10 2010
 - Site for installation determined at orientation
 - 3 families per filter
 - Community responsible for helping hauling and installation
 - Hired members of community organizations to implement
 - Each filter was numbered for monitoring purposes



Base Line Data

- 3773 users
 - 1924 Female
 - 1849 Male
 - 919 aged under 5 yrs old
 - 48% of families earn less than 1000p/month
- 67% of population suffers from Diarrhea annually
- 37% of those affected are under 5yrs old.

Monitoring

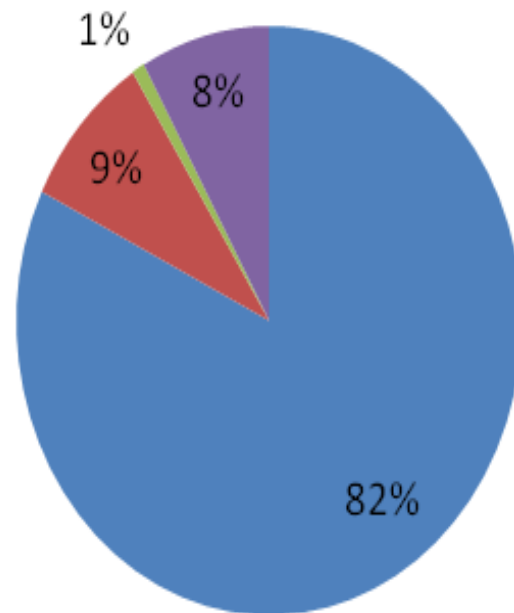
- 1 month after implementation
- 3 months after implementation
- Tested filters
- Interviewed people about changes to lives.

Key Results

- During both monitoring visits respondents reported that there were no cases of diarrhea. Though this is probably not true it represents a truly significant reduction of Diarrhea cases **from 67% to less than 10%**

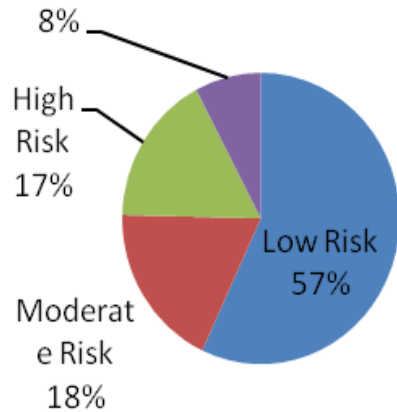
User/Non Users in June 2010

■ Users ■ Returned IDP's ■ Other Migration ■ Non users

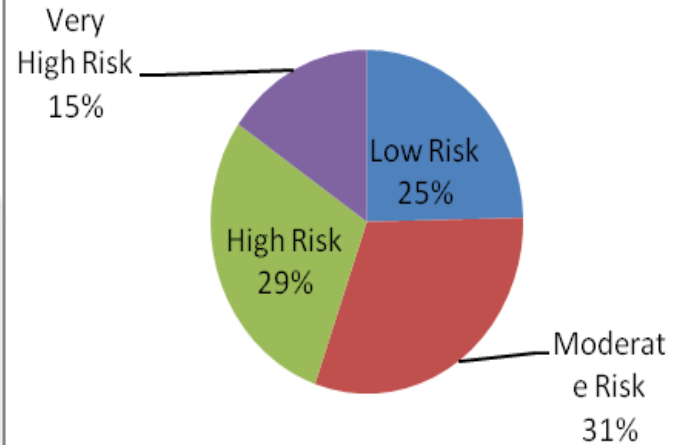


FILTER PERFORMANCE

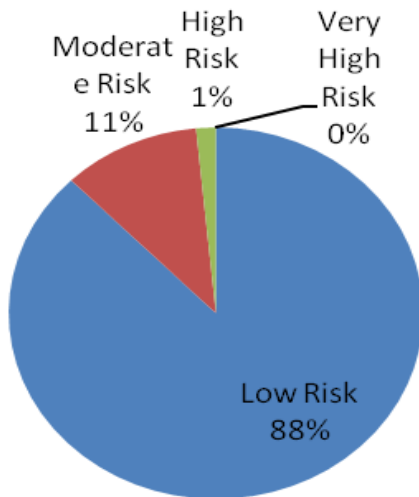
Visit 1 Water Source April 2010



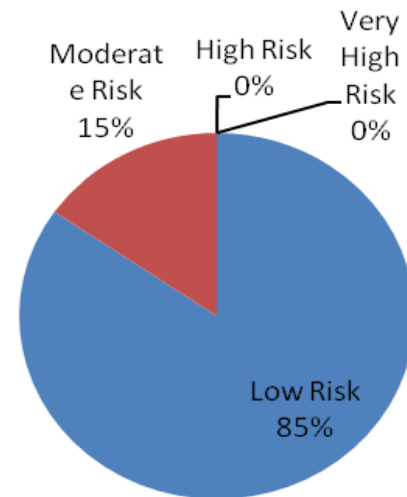
Visit 2 Water Source Jun 2010



Visit 1 BSF Outlet April 2010



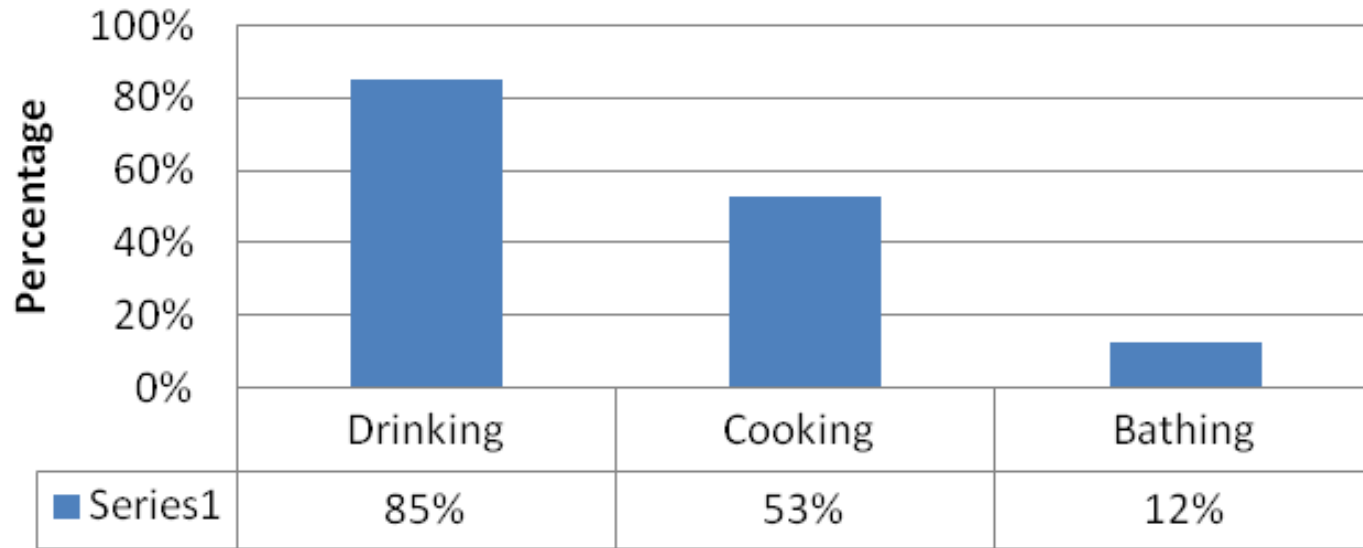
Visit 2 BSF Outlet Jun 2010



Visit 1 BSF Outlet April 2010

Visit 2 BSF Outlet Jun 2010

What is the filtered water being used for?



6.7 liters per person average consumption



**Other Barangays started
improvising their own Filters**



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- Project Key Staff
 - Program Manager Noraida Chio
 - Project Leader Chris Gacayan
 - Project Engineer Saiden Akmad

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