

Binational Border Sanitation and Water Quality Summit

A landscape photograph showing a river flowing through a valley. The river is in the foreground, with a gravelly bank on the left. The middle ground consists of rolling hills and a large, prominent rock formation. In the background, a range of mountains is visible under a hazy, orange-tinted sky, suggesting a sunset or sunrise.

Technology Options for Household Water Treatment

Bryan Boulanger
Environmental & Water Resources
Zachry Civil Engineering, TAMU
School of Rural Public Health, TAMHSC

The Challenge



- How do we ensure everyone who lives along the border has adequate access to potable water?

The Challenge

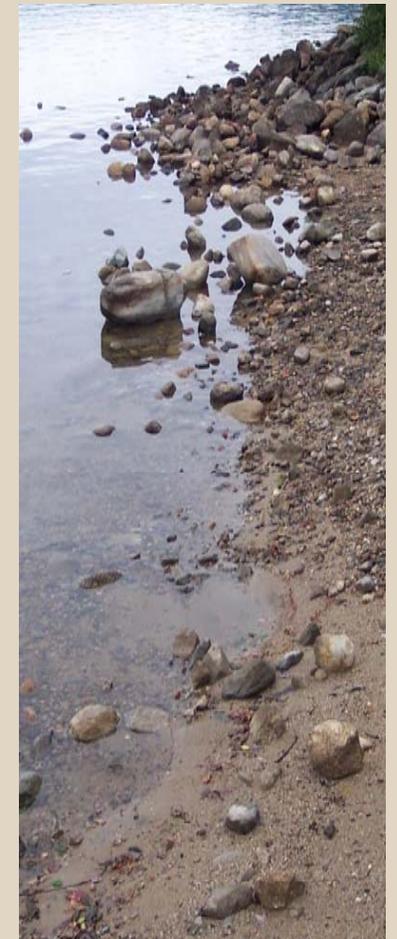
Need Different Solutions for:



VS



Sources of Water



Sources of Water



Concerns

Microbial (re)growth

Reuse of tanks

Initial quality of water

Household Water Purification

Water at residence (supplied, tank, well, or rain)



Too expensive and not practical for at risk households

Household Water Purification

Water at residence (supplied, tank, well, or rain)



Household Water Purification

Water at residence or nearby



Household Water Purification

Water at residence or nearby



Household Water Purification

Water nearby



Household Water Purification

Closing thoughts:

1. We need to know how many people lack access
2. Need community involvement for implementation of household water purification systems
3. Potable water treatment must be combined with sanitation and hygiene programs
4. Supplying water to everyone living along the border is not a technology issue

Questions?

Dr. Bryan Boulanger

bboulanger@tamu.edu

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