

WATER BRIGADES PROJECT PROFILE

CASILLAS

Updated August 13, 2015

Introduction

Casillas is located in the municipality of Talanga, Francisco Morazán, Honduras. Children of the community have access to education through 6th grade. Those who wish to continue their studies commute eight kilometers to the town center of Talanga. Most community members work in agriculture. Others work in nearby lumber mills, and a small number of people work in the city of Talanga. Regardless of occupation, most families earn approximately 4,000 lempiras per month (approximately \$180). Almost all household income is used to purchase food for consumption.

Casillas' Water Challenge

Casillas does not currently have a water system that meets the needs of the population. The system that previously supplied water to the community stopped working in 2011 due to a partial collapse. This was due in part to the drying up of the well from which water was pumped to a 15,000 gallon tank. Since then, the community has not been able to find another water source or a way to finance a new water system.

Community Snapshot	
Population	Approx. 480
Homes	87
People/Home	Approx. 6
Schools	1 (preschool through 6 th grade)
Churches	1
Electricity	Yes
Municipality	Talanga
Department	Francisco Morazán
Health Center	Talanga (8km away)
Distance from Compounds	1 hour 30 minutes
Road Conditions	Regular



As a result, they are forced to carry water daily from a river a few kilometers away. The water carried from the river is used for consumption and other household uses. However, because it is untreated it increases the risk of gastrointestinal infections, diarrhea, and parasites. The other hygienic and sanitary conditions in Casillas are also quite low. Respiratory illnesses and dermatitis are prevalent.

The Water Solution for Casillas

On July 28, 2015, Global Water Brigades signed a construction agreement with the Community of Casillas and the Mayor's Office of

Talanga. The agreement provides for the construction of a gravity-based system, which will be supplied by a natural water source located 5.2 kilometers from Casillas. The project has already started with the construction of a collection dam funded by the Mayor's office and the community. The next step is to build a filter to eliminate the entrance of sand and sediment into the water system. Then, Global Water Brigades will build the conduction line of approximately 5.2 kilometers which will direct the water from the dam to a new 5,000 gallon water storage tank to be built with funds from the Mayor's office. This smaller tank will provide water to 15 houses located in high points in the community. The water will then flow to the existing 15,000-gallon tank, which will distribute water to the remaining 72 homes in the community.

