

CLEAN WATER FOR HONDURAS

**Traverse Bay Sunrise Rotary Club
Global Service Project**





Meet The Team

HHOP

- Health & Humanitarian Outreach Project (HHOP) is a non-profit 501c3 organization dedicated to support, promote and operate international health & humanitarian projects
- Established in 1996 by Rotary Clubs of Grand Haven, Holland, Muskegon & Spring Lake
- Projects in developing medical clinics, supporting schools, building water systems, & other health related projects in Jamaica, Haiti and Honduras



HHOP

- Past four years have sponsored Rotary water & sanitation trips to Honduras
- Developed water systems, installed bio-sand water filters, built vented stoves and latrines in remote villages of Honduras
- Established a distribution center for bio-sand filters, sand, educational material and installation services in Honduras



Usula Rotary Club

- Usula Rotary Club in District 4250, San Pedro Sula, Honduras
- Rotary International 3H Grant to supply water and sanitation to villages in the Merendon region outside San Pedro Sula
- Rotarian Tony Medina is his District's Water Committee President and Director of WASRAG (water & sanitation rotary action group)



A circular splash of water is held in place by five hands of different skin tones, arranged in a circle. The water is captured in mid-air, creating a dynamic, flowing ring. The hands are positioned at the top, bottom, left, and right, with one hand at the top center and another at the bottom center. The water splash is a vibrant blue-white color, with many small droplets and bubbles visible. The background is plain white.

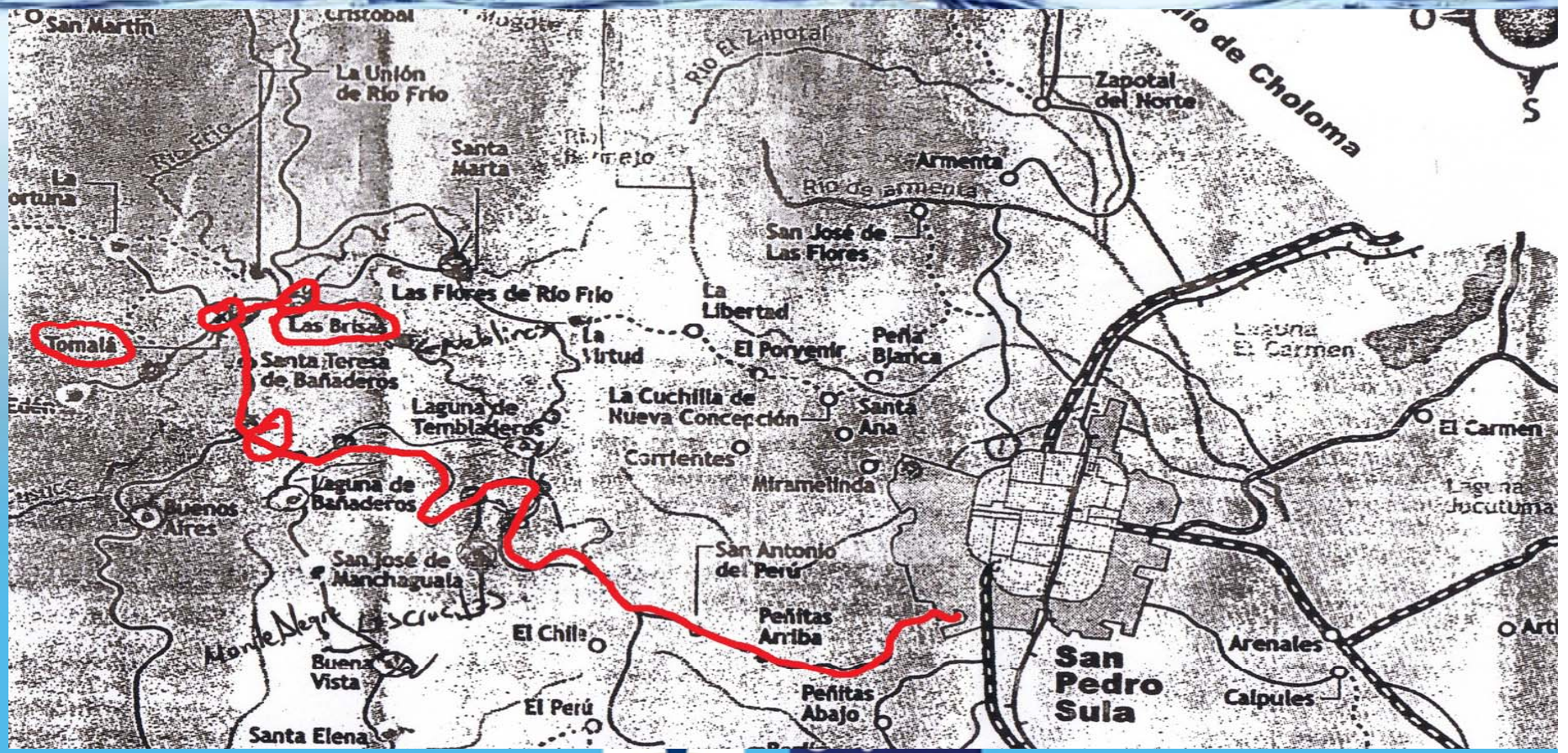
Location

Honduras, Central America



Where We Will Work

Merendon region outside San Pedro Sula



Merendon Region

- Merendon is in the mountains outside San Pedro Sula. There are 2400 families in need of clean water, vented stoves and sanitation facilities.





Needs & Goals

Need

- Honduras is one of the poorest countries in the Americas.
- High infant mortality rate from water-borne disease and smoke inhalation
- Government plan was to displace 2400 families from the region to protect the water shed



Usula Rotary Club to the Rescue

- Usula Rotary Club agreed to install water filters, build vented stoves and latrines, build Bio digesters for methane gas production, compost materials for fertilizer and plant 20,000 trees to protect the water shed
- Usula Rotary Club has a 3H grant to finance the project for the first 600 families.
- Need help to fund projects for remaining 1800 families



Goals

- Inform Rotarians about sustainable, eco friendly water and sanitation methods
- Learn bio sand water filter installation techniques
- Install as many filters as possible
- Provide clean water to improve health
- Interact with the rural people of Honduras
- Enrich the lives of the people of Honduras



Multi-Year Focus

- 1800 families remain in need
- Usula Club looking for partners to complete the project
- Traverse Bay Sunrise would be part of this process
- After the current water & sanitation project there will be a need for health improvement, education and economic development





COSTS

Budget Assumptions

- Estimates based on HHOP 2011 trip
- As number of travelers, hotel accommodations and travel arrangements are finalized, more accurate figure will be developed
- HydrAid water filter, sand, water bottle and installation cost is \$100.00 per filter
- Each team of three can install an average 5 filters per day x 3 days, or 5 filters per individual
- Fundraising and grants can be used to cover the Project Expenses



Budget

Transportation and Housing per individual

Airfare Estimate (TVC to Project Location)	\$ 658.00
Hotel in San Pedro Sula	\$ 200.00
Room & Board at Campamento de Caritas	\$ 150.00
Meals in San Pedro Sula	\$100.00
Post Trip Extension	\$ 100.00
Airport Tax	\$ 40.00
Miscellaneous	\$ 52.00
Subtotal	\$1,300.00



Project Expenses (per individual)

Supplies: Filter, sand, water bottle pre & post installation cost per individual, based on five filters each (\$100 per unit)	\$500.00
Translator	\$ 10.00
Cars & Drivers	\$ 40.00
Miscellaneous	\$ 40.00
Subtotal	\$590.00
Overhead & Administration	\$ 0.00
Grand Total: Project cost, transportation & Housing (estimated costs per person)	\$ 1,850.00





**Impact &
Sustainability**

Impact

- “Water First” – Experience has shown that once clean water is supplied to a community, the general health and nutrition improve, children are able to attend school, & the economy improves
- We have seen this transformation in many villages in Honduras



Sustainability

- The Bio-sand Water Filter has been proven to be one of the most effective and sustainable end user systems for water purification
- The bio sand filter has been extensively field tested and proven effective
- Little maintenance is needed
- The filter supplies clean water for as many as 10 people a day
- The filters have lasted over 10 years



Hands on Service

- Traverse Bay Sunrise Rotarians will work side by side with families in the villages to install water filters
- Honduran Rotaract students will participate as translators for the group
- You can expect a potential “life changing” experience as you participate in this world community service project
- “IF YOU DON’T GO, YOU DON’T KNOW”



A circular splash of water is held together by five hands of different skin tones (light, medium, and dark brown). The hands are positioned at the top, right, bottom, and left, with the water forming a ring in the center. The water is captured in a dynamic, splashing state, with droplets and ripples visible. The background is plain white.

**LODGING &
TRAVEL**

Travel

- Fly from Traverse City to San Pedro Sula International Airport & home
- In country transportation via bus or four wheel autos depending on the event
- Passport needed
- Airport exit tax of \$40 per person



Lodging

- In San Pedro Sula we will be staying in a boutique hotel or larger hotel depending on the size of the group
- In the mountains we will stay at a local school compound: Campamento de Caritas
- Post trip to the Caribbean coast of Tela or Copan Ruinas to visit Mayan historic sites



Hotel Primavera



Hotel Primavera



Campamento de Caritas





Post Trip to Tela





Mayan City of Copan



HydrAid
BioSand Water Filter

Eco Farm



Filter Installation Training



On the Road to the Mountains



Tomala



HydrAid
BioSand Water Filter



SLOW SAND WATER FILTER



Las Brisas



HydrAid
BioSand Water Filter

The School















Safety Concerns

Safety

- Use precautions that you would use traveling in any under developed country
- In the city act as you would in any major city in the world
- The villages are remote, no paved streets or walkways
- We have had medical emergencies that have been handled promptly and with skill
- No required immunizations
- A detailed list of travelers hints will be provided



Join Us Next Year

