



Peru Team



Project Lead:
Jhonatan Romero



ENGINEERS WITHOUT BORDERS USA

Peru Project Pt. 1

- La Huaylla, Peru
 - North, mountainous region
 - Serviced by municipality called San Marcos
 - ~250 households (~1300 peeps)
 - Problem: received water for partial parts of the day
 - Had broken down spring boxes and 30-m³ reservoir
 - Solution: Infrastructure built
 - Spring boxes, 80-m³ reservoir, chlorination system
 - Now receiving water at all times
 - 6th year of commitment
- Goal: Remote monitoring and evaluation trip and closeout



Peru Project Pt. 2

- Saparcon Bajo
 - Smaller community (~100 people)
 - Their system is composed of 1 spring box and 1 reservoir
 - The community's water system was built approximately 18 years ago
 - The spring box is not capturing water
 - As of 08/21/2021, the community needs to shut off the reservoir at night for it to fill up for consumption during the day
- Goals:
 - Finalize new partnership
 - Conduct remote assessment and remote implementation trip



Subteams

- Communications
 - Translate documents, participate in community calls
- Finance
 - Look for and apply to grants, attend Fundraising Team meetings
- Technical
 - Design testing outlines, use CAD programs to create designs
- Education, Health, and Safety (EHS)
 - Create education animations and infographics centered around health and the environment
- Cultural
 - Present current events/interesting facts about Peru
 - Plan socials to immerse members into Peruvian culture



How to Get Involved!

Meeting Times:

- Meetings will be every **Sunday at 5 - 6:30 pm PDT at Ghausi 1007** (there will be an option to join through Zoom)
- First meeting will be on Sunday 10/10/2021
- Contact project lead:
 - Jhonatan Romero: jhromero@ucdavis.edu



Scan this QR
code to join
our email list
and Slack

Kenya Project

Mabinju Water Supply Project

Village: Mabinju
Located: Western Kenya, near Uganda Border
Population: 3,500

Project Leads



Stacy Long



Mel Johnson

Overview

- Community of 3,500 people who primarily speak English
- Many residents are part of the Luo ethnic group
- Primary water source is Lake Victoria which is infested with invasive hyacinth plants
- Water is used for: consumption, personal hygiene, irrigation, rinsing of: meats, fruits, and vegetables
- Water is transported by hand for a total of 4 miles



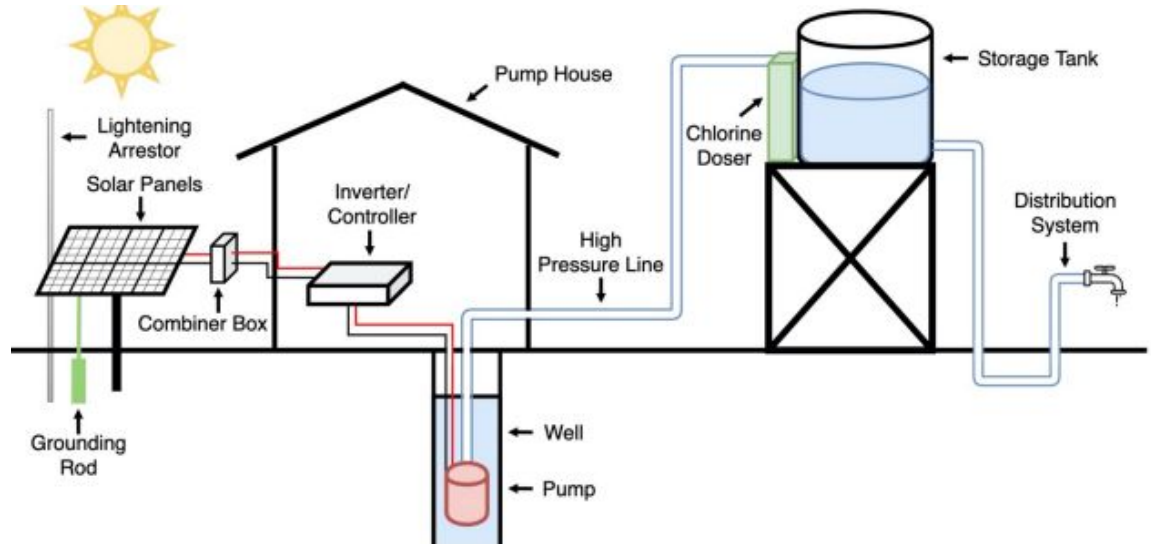
2021/2022 Remote Assessment Trip

This year

- Work with EWB-USA Uganda on groundwater assessment
- Design and construct a borehole with a hand pump
- Monitor & analysis of newly constructed well

Future

- Implement a solar component to the borehole
- Construct water storage tanks
- Build more wells if needed





Subteams

- Budget
 - Manage project fundraising, inflows, and expenses
- Communications
 - Maintain correspondence and strong relationships (through calls, email, etc.) with our community, mentors, and other partners.
- Health & Safety
 - Monitor and assess project risks
- Technical
 - Data collection, analysis, and project design

How COVID-19 has affected our project

- Due to international travel restrictions, we were unable to travel to Kenya to conduct our assessment trip
- BUT we were able to hold a successful COVID relief fundraiser this past summer
- We raised ~\$1200 to help with food/income shortage within the community
 - This provided roughly **250 families** with food, masks, soap, and handwashing stations



How to get involved with Kenya!

- Contact Project Leads (Mel and Stacy)
 - meljohnson@ucdavis.edu
 - stclong@ucdavis.edu
- Meetings are every Wednesday from 7 to 8 PM
- First Fall Quarter meeting is **Wednesday 10/06** - 1007 Ghausi Hall



So why join?

- Technical skills
- Real-world impact
- Friends! =)



QUESTIONS?



CONTACT US

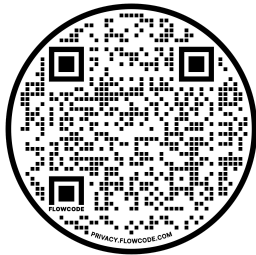
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FUNDRAISING



BOLIVIA



KENYA



PERU