

UPCOMING EVENTS:

- **Earth Day Fair:**
April 20th
- **Volunteering at
the Wildlands
Conservancy:**
April 22nd
- **Playa Bowl
Fundraiser:**
April 30th

SPRING 2018

APRIL 17, 2018

Spring Trip Updates

Over this past spring break, a small team of EWB members traveled to various locations in Nicaragua to monitor the water distribution system



A leak on the distribution system that was documented by the travel team.

that our chapter designed and helped build in Cebadilla and scout out potential other areas to implement a project in the future. The team started the trip in Cebadilla, observing the distribution system. All parts of the system were functioning as expected, distributing water to the households. The team also received updates about the system, including adding a new restaurant along the highway to the system. In addition, the



Our Spring 2018 Travel Team!

school now has a float valve that allows it to have priority over other members of the system. The team inspected the area in Cebadilla where the creek crosses the road and decided that a bridge is the best solution and that will

INSIDE THIS ISSUE:

Spring Trip and	1
Project Class	
This Semester:	2
Social Class	
Spring Trip	2
(continued)	
Outreach and	3
Fundraising	

Project Class Updates

Giving members the opportunity to work on technical project aspects.

The four projects this semester span a range of topics and address many current issues facing communities in Nicaragua and the Dominican Republic. These four teams, consisting solely of undergraduates, work closely with members in the various communities to create long-term solutions and monitor them for years afterwards.

Water Distribution:

Creating a water distribution system in El Manantial, Dominican Republic with the Lehigh Valley EWB Professional Chapter.

Soil Stabilization:

Collaborating with Structures Team to analyze foundations and abutments for a bridge over a flooded section of road in Cebadilla.

Structures Team:

Designing and planning a structure to cross the flooded section of road in Cebadilla, factoring in a variety of construction considerations.

Marching 97:

Working to design a designated practice facility and storage space for band equipment on Goodman Campus.

An incorrectly used
Biosand Filter.



Social Class

Looking to the future while continuing to support current projects.

Water Purification Sensitization

This group is designing, developing, and translating an effective marketing campaign for public health and the importance of water purification within Central America. Upon completion, this campaign will be fully distributed to all 6 communities and health centers in San Juan Del Sur.

Efficient Energy Access

This group is researching and troubleshooting how to fund solar costs or develop an alternative with a special focus on Mira Valle and La Libertad. Potential solutions include pinpointing government funding and exploring alternative energy sources that are more fiscally feasible, including which alternative energy medium may

work best in a specific region. Additionally, this group will have a focus on sustainable development and grand challenges to the distribution of wealth while following up on illegal electricity use of North Side and whether central electricity system would be better. By the end, they will have documented what has been done and what can be done in similar regions.

Trip Updates (*continued*)



Above: A style of river crossing that may be implemented in Cebadilla.

Below: EWB's distribution system in Cebadilla hard at work!



require that the creek bed and banks be re-established in the area. The team surveyed the local residents about their current filtration methods to see if there is potential for a community treatment system using chlorination. The team then traveled to look at a river crossing in San Juan to see if that type of crossing could be used in Cebadilla. The local CAPS members also let the team know that another potential project could be building a roof over the current water tanks in Cebadilla and steps leading up to it. The team



The team assessing the riverbank site in San Juan!

then went to Mira Valle to evaluate the viability of the Structure team's models and found that the models will need to be adjusted before they can be imple-

mented as an actual project. Finally, they finished their water purification analysis on current biosand filtration in Cebadilla before returning back to Bethlehem!

Events - Outreach

The Outreach committee has had a busy semester meeting with Broughal students to teach a Newton's Laws lesson, leading interactive demonstrations for the national Gear Up program, and co-hosting a Make & Take event for RecycleMania. Looking forward to the rest of the semester, we will focus on campus activities such as Spring Fling and the International Bazaar. Additionally, the Latin Carnaval, a Fall

2017 event that EWB partnered to host, has won Lehigh's Spring 2018 Student Life Award!

Annaliese Cuniffe, the Outreach Committee Chair, presenting outside of LIT Coffee Roastery!



Events - Fundraiser

The Fundraising committee of Engineers without Borders aims to acquire funds for the club through applying for grants, holding fundraising events and soliciting donations. This past year, the committee has secured an AIChE Grant and continues to pursue others. This committee is very essential since the club relies heavily on grants and donations, and members have the opportunity to

learn how a non-governmental organization obtains money for its endeavors. Lehigh's Fundraising Committee is hosting a Playa Bowl fundraiser on April 30th from 4-8 pm at 310 East Third Street. As one of the last events this semester, please come out, support the club, and eat some great food!

If you are interested in donating to EWB Lehigh, please visit <http://ignite.lehigh.edu/ewb>



Engineers Without Borders—Contact Info

President: Courtney Lenzo

Email: ctl218@lehigh.edu

Vice President: David Morrison

Email: dam417@lehigh.edu

Project Manager: Will Elliott

Email: wne218@lehigh.edu

Social Chair: Sage Herrick

Email: smh220@lehigh.edu

Treasurer: Chris Pineda

Email: cdp220@lehigh.edu

Secretary: Louis Lin

Email: lol220@lehigh.edu

Fundraising Chair: Rachel Buonasora

Email: rmb220@lehigh.edu

Translating Chair: Silvia Rosado

Email: sir220@lehigh.edu

Outreach Chair: Annaliese Cuniffe

Email: arc319@lehigh.edu