



MAPConnect

Sep 2015

Welcome to the first issue of our newsletter!

Greetings EWB MAPC Members & Friends,

One goal of the MAPC Executive Committee is to improve communication with members and friends. We would like to keep you informed on what MAPC is up to, and also to offer you some space for sharing additional information. Throughout the year we will send you stories and insights from our projects and leaders.

During the past year MAPC mentors have dedicated close to 1,000 hours of time in support of the EWB UW chapter programs. Funds from last year's fundraising campaign will support UW programs, purchase equipment for student training and in-country use, and help us build the MAPC community.

Do you have an idea or a success story to share? Have you heard about upcoming events that we should know about? Send us your ideas so we can grow together! We look forward to another successful year of supporting the UW-Madison chapter of EWB in their work.

Thank you for your past and future support!

Maria Zarzalejo - Editor

MAPC Executive Committee - Brad Hughes, Paige Peters, Matt Roling, Josh Accola

Current Opportunities:

- Assist with a Surveying Workshop for UW students- contact John Olson - dadyo961@hotmail.com
- Lead Mentor for Guatemala program - See trip report below
- Fill out our [Member Inventory](#)
- Attend MAPC Fall Kickoff on October 12th to learn about project mentor needs- see Upcoming Events below

Want to learn more about what's going on ?

[MAPC Website](#)

Contact MAPC:





ewbmapc@gmail.com

Project Updates and Trip Reports

EWB UW programs and MAPC mentors made 3 significant trips this summer!

Uganda - Lead Mentor- Larry Ryan (lw_ryan@msn.com)

The Uganda project team and MAPC mentor Tom Jenkins traveled to Lweza, Uganda for the first assessment trip. The trip was an unqualified success. Sufficient data was gathered to establish the need and provide the basis for the upcoming design work. This includes water quality data, usage and access data, and costs for existing water usage. GPS points were used to create the map, and locations of alternate water sources were identified. Local sources for needed goods and services were established, visited, and relationships were initiated. The student team established very close relationships with the local community, including the Chairman of Lweza and the council. The level of interest, cooperation, and support by the community leaders could not have been better. We are still waiting on the metals results, but the field testing was sufficient to verify the water currently used is unhealthy. There are also economic barriers for many residents, including the high cost of boiling water. Access is an additional challenge; the water is carried up hill and several hundred yards for use at most of the sources. For more details about this trip, the EWB-UW students have put together an inspiring blog describing the trip day by day that can be found [here](#).

Ecuador - Lead Mentor - Dave Gliniecki (dgliniecki@hotmail.com)

The Ecuador team of six students and mentor Dave Gliniecki recently spent eight days this August on their first implementation trip to Tabuga, Ecuador. As a follow-up to the previous two assessment trips in Aug. 2014 and Jan 2015, the goals of this implementation trip were to complete the first major construction improvements to the existing water supply system to the village. Improvements that were performed during the week included:

- * Re-piping the majority of the underground water mains through the Sur neighborhood which previously had portions that were badly blocked and/or broken
- * Installation of four underground valves to allow for isolation and regulation of water to the different neighborhoods
- * Installation of a chlorination pump and tank to assist with bacterial decontamination
- * Re-piping portions of water mains which had kinked or excessive amounts of pipe fittings, to allow for higher flow rates and reduced pressure losses.

The students and mentors also gathered additional data for potential additional improvements to the water system during future implementation trips. They also met with the local leaders / operators of the water system to instruct them on the operation of the newly installed valves and chlorine pump.

Guatemala - Lead Mentor - Paige Peters (paige.peters2@gmail.com)

Dan Costello and Kevin Hagen traveled as mentors with UW students to Joyabaj, Guatemala. The current project consists of the capture and piping of three springs and construction of a water storage tank. Routing of the 12km of pipe from the springs to the storage tank was designed using GPS coordinates without site verification. The



first item needed was field verification - surveying the designed route on foot. Several route changes were made with one area that results in design changes. These include the addition of a pipe suspension bridge, modified collector box location for Spring 3, and modification of the pipe routing. Several of the students and mentors assessed two projects and attended meetings to discuss. Per the mentors, all of the students interfaced extremely well with the village residents. Quoting Dan Costello, "I learned so much from this project and feel reenergized. Hopefully I made a contribution to the project."

The Guatemala program has an opportunity for the Lead Mentor role. Please contact us at ewbmapc@gmail.com with interest.

Upcoming Events

EWB UW Fall Kickoff, September 14th - 7:00pm - UW-Madison campus. More Info [here](#).

EWB MAPC & UW Exec Committees Coordination Mtg, Thurs, September 17, 2015 - 7:00 pm

MAPC Surveying Workshop for UW Students - Mon, September 21 (John Olson facilitating)

MAPC Committees Meet - Mon, September 28, 6 pm, Madison Central Library, 201 W Mifflin St

EWB MAPC - **Happy Hour**, Thurs, October 01 - 5:30 pm - [The Edgewater Boathouse](#).

MAPC - Chapter Meeting, Monday, October 12, 6 pm, Union South, UW Madison campus

EWB Great Lakes Regional Conference - October 23-25 - Toledo, OH, More info [here](#)

EWB-UW Program student meeting schedules:

(Subject to change. Location is typically Mechanical Engineering Bldg, Rm 2121, confirm with the MAPC calendar [here](#))

Guatemala - Tuesdays at 6 pm

New Project - Tuesdays at 8 pm

Ecuador - Wednesdays at 7 pm

Uganda - Thursdays at 6 pm

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Contact MAPC:

ewbmapc@gmail.com

And a big thank you!

