

TRAVEL TEAM REPORT

The latest news and updates from the travel team in Ghana



The water distribution system being used at the boys dormitory

UPDATES

MEETING WITH AGRICULTURE DEPT

SOLAR PUMP SUN SENSOR RELOCATED

VISITED THE DAM

CONDUCTED PSEUDOMONAS TEST



Landscape of the vegetation from the rainy season

Fourth Day in Ullo

by Michelle Friedmann

The travel team has continued to make great progress with their trip deliverables on Wednesday. They were able to physically relocate the sun sensor 90 degrees around the solar panels so that it would not be shadowed in the early evening and shut the pump off prematurely. Over the next day, they will observe if the relocation of the sensor gives the distribution system 45-70 more minutes of increased pumping time.

During the day, the travel team met with the agriculture department at Ullo senior high school. The agriculture department is extremely excited about the rainwater catchment project because of the opportunity it presents them to build their agriculture program. The idea behind pairing the rain water catchment system with the agriculture department at the school is that they will be able to use the water collected off the roofs of the school buildings and stored in polytanks to create a school garden. The hope is that students can take courses on agriculture and use this water to actually grow things on campus. Then, the crops that are grown can be used to supplement the school lunch program.

Learning how to cultivate crops and having hands on experience with the school garden can be useful knowledge that the students can take with them back to their hometowns.

The travel team had the opportunity to check out the large water dam located in Ullo. The purpose of this dam is to collect water during the rainy season and use it for things like agriculture and livestock during the dry season. The dam has been quite troublesome because it was not constructed properly.

Many times, attempts have been made to fix the dam but none of them have been successful. The most recent attempt to fix the dam occurred before this rainy season but the dam did not hold. A trench was made in the dam to allow water out because it had started to leak after the first big rainfall. The hope is that the dam will not be destroyed and it can be repaired after the rainy season.

During the last trip to Ullo, the borehole was shock chlorinated to kill any pathogens such as pseudomonas. Clare and her team conducted a pseudomonas test on the borehole to see if this shock chlorination had improved the quality of the water. Unfortunately, the test came back positive for pseudomonas. Not to worry though, because a chlorination system was installed for this very reason.

Everyone continues to be healthy and are keeping very busy with all of the project work!



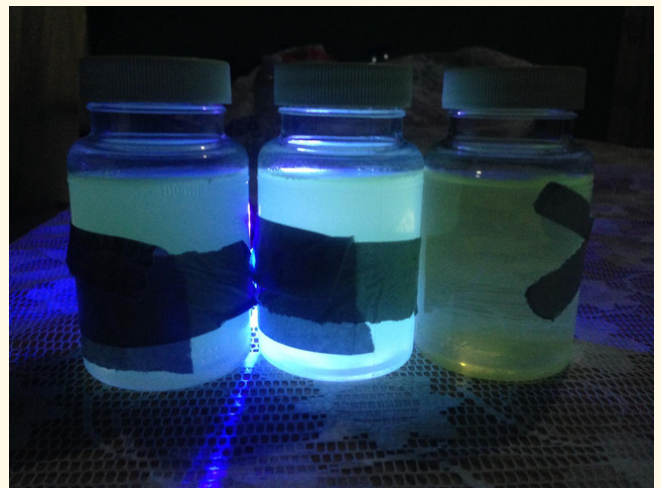
Relocation of the solar pump's sun sensor



Trench constructed for the dam



Measuring of the elevated storage tank



Pseudomonas test results



The Ullo community's dam