



# ENGINEERS WITHOUT BORDERS

University of Colorado Student Chapter, Nepal Project

## EWB-CU Nepal Student Chapter Summer / Fall 2012 Report

### Clean Water for Nepal Celebration and General Supporters Update

Thanks to the generosity of our many supporters, the Nepal projects for 2012 got off to a rapid start. A team of six intrepid EWB team members: Seniors: Max Churchfield, Civil Engineering & Anthropology; Maryanne Evans - Ecology & Evolutionary Biology; Spencer Garrick - Civil Engineering; Shweta Maurya - Mechanical Engineering; Rob Spencer - Environmental Engineering; and Brittany Earle, Sophomore - Chemical Engineering; along with mentor Lon Robbins, CH2M Hill – launched the Spring Source Protection Project in Katuwal Dhara.

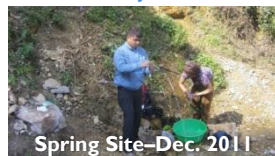


EWB Team Nepal – students, mentor, NCDC (Namsaling Community Development Center) engineers and laborers at the (almost completed) Katuwal Dhara Spring Site

See below for details of what was accomplished this summer!

### Katuwal Dhara Spring Source Protection Project 2012

EWB-CU Nepal's 2012 summer project began with the design team meeting with the local construction committee and engineers from NCDC to break ground on Katuwal Dhara. First, the flow was diverted by piping the water from the spring eye away from the construction site. This process keeps the construction site dry and residents can still use the spring water for their daily needs. Then for several days, the most exciting part of the project was watching dirt dry. The design team stayed busy writing contracts with all players, attending meetings, speaking to the Users' Committee and eating samosas.



Spring Site–Dec. 2011



Spring Site–July 2012

Once the construction site was dry, the excavation began!

### It Never Goes Smoothly

Monsoon season makes work incredibly challenging, especially on an oversaturated slope. On June 6<sup>th</sup>, as a sweating, tired, and proud of their work-to-date crew surveyed progress, a bedrock boulder, along with mounds of soil, came tumbling down into the

excavated site. The crew began to dig again; but less than an hour later, another small landslide negated all that work. In efficient EWB fashion, a plan was quickly put into place that made safety a priority and included many 'lifeline' Skype calls back to the US for brain-storming the best way to modify the design and proceed. The results were 'dammi' (awesome in Nepali) – an incredibly sturdy tap stand for clean water from this spring site – see photo to the left!

This summer's project was Phase One for 3 separate springs used by this community. The full Katuwal Dhara project is multi-phased to protect the entire spring system. EWB Nepal will provide designs and expertise to store, purify & distribute water from all of these springs over the next few years.

### Education Programs

Educating locals is a VERY critical component of any development project. Team Nepal visited 12 schools, interviewed 26 teachers & witnessed passionate, motivated and intelligent leaders striving for change in their communities. On Environment Day, the team helped kick off a week of environment education in the schools with a rally in the bazaar.



June 5 - Environment Day

### Summer in Colorado & the Regional Conference

No slackers on EWB teams in Colorado! Non-traveling members of CU chapters spent the summer working on the **EWB Mountain Region Conference** to be held Oct. 5 - 7.

**Over 200 outstanding engineering students** and professionals will be attending the conference. The organizing team is looking for individuals and corporations that would like to have access to this amazing gathering. **Here is how you can help:**

1. **Sponsors:** Become a sponsor and receive national recognition - the best way to get a company name in front of the conference participants and have one-on-one access to all those attending.
2. **Donors:** Other contributors will be recognized at the conference as well as have access to conference participants.
3. **General Involvement:** If you or your company cannot support the conference financially, you are welcome to attend the conference for the general registration cost.

For more information on the **Mountain Region Conference**, see page 2 of this newsletter.

### Participate with EWB

There are many ways to support EWB students and their international projects. EWB needs advisors in many areas. If you have expertise & would like to contribute, contact us at any of the coordinates below.

If you support EWB financially, ask if your company provides **matching funds**. If your company has a **corporate giving** program whose funding emphasis matches the work of EWB, please let us know how to apply for that funding.

If your company has **'lunch & learn'** sessions, where EWB can speak, please let us know. EWB would appreciate the opportunity to speak to engineers who would be interested in knowing more about EWB.

Donations can be made online at:

<http://www.cufund.org/giving-opportunities/fund-description/?id=9013>



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## ENGINEERS WITHOUT BORDERS USA MOUNTAIN REGION

You are invited to join the University of Colorado Student Host Chapter of Engineers Without Borders along with over 200 engineering students and professionals who will be attending the **EWB Mountain Region Conference**, October 5 – 7, 2012.

The mission of Engineers Without Borders (EWB) is to support community-driven development programs worldwide by collaborating with local partners to design and implement sustainable engineering projects, while creating transformative experiences and responsible leaders within the EWB Chapters. The EWB chapter at the University of Colorado at Boulder was the first chapter of EWB-USA created by Professor Bernard Amadei, founder of EWB USA. Since its inception in 2001, the CU chapters, consisting entirely of students and handful of faculty and professional mentors, have implemented projects in Nepal, Peru, Rwanda, Mali, Nicaragua, Bolivia, and Belize. Other EWB Chapters attending the EWB Regional Conference are working in Africa, Asia, and South America.

University chapters of Engineers Without Borders consist of students and professionals from a large variety of disciplines including engineering, science, anthropology, business, and English who come together to work on projects that require real world assessment and design work along with hands-on support in villages with basic human needs. Chapter members design sustainable solutions based on an assessment trip and in-country collaboration. Upon approval of project plans, members travel to implement the projects. All students and professionals donate their time to assess, design, fundraise, travel, implement, and monitor the projects.

### Opportunities for Companies to Become Involved

Over 200 outstanding engineering students and professionals will be attending the **EWB Mountain Region Conference** and there are several ways that you can have access to them:

4. **Sponsorship:** Becoming a sponsor provides national recognition the best way to get your company's name to the conference participants and allows one on one access to all those attending. Please request a conference packet for specifics on the options available to become a conference sponsor.
5. **Donor:** Smaller contributors will be recognized as donors. Donors get general recognition at the conference as well as access to conference participants. Please request a conference packet for more information on donor options.
6. **General Involvement:** Even companies that cannot support the conference financially are welcome to attend the conference for the general registration cost.

More information about the conference can also be found on our website: [www.EWBMountainWorkshop.org](http://www.EWBMountainWorkshop.org)

We would be honored to have you join us in this very worthwhile endeavor.

Regards,

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