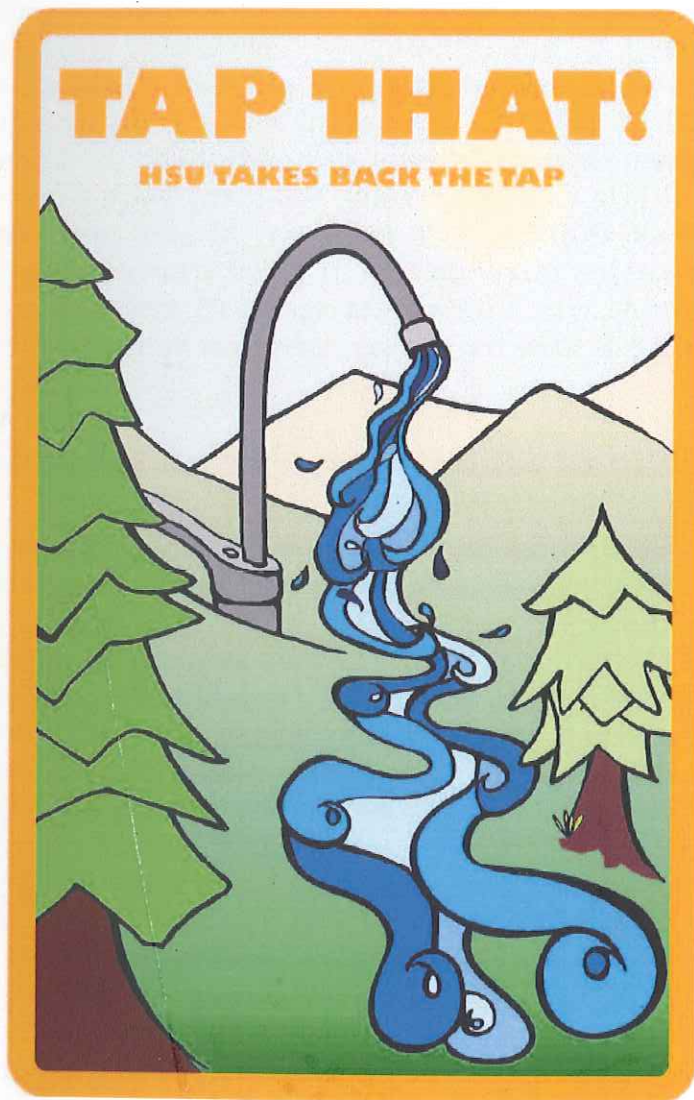


HSU Takes Back the Tap



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Campus

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Situational Analysis of the Problem

Most people are unaware of the numerous negative impacts associated with bottled water. By supporting the bottling of water and the corporations that profit from it, we have ultimately pushed onto ourselves the burden of dealing with the environmental, social, and health related externalities that bottled water produces.

Why do we drink bottled water?

People drink bottled water for various reasons. They may prefer the taste, odor and clarity of bottled water to their municipal tap water, or the health and quality of their tap water may be poor. Furthermore, bottled water's convenient packaging, widespread availability, and its health appeal encourage more of its consumption. In many respects, bottled water is a type of status symbol. However, the negative impacts of drinking bottled water far exceed its benefits. Fortunately, due largely to environmental campaigns and the recent economic downturn, the sale of bottled water in the U.S. has begun to decline for the first time in years. An August 2009 Washington Post article on the recent downward trend in bottled water sales states that, "according to the consulting firm Beverage Marketing Corp., Americans drank 8.7 billion gallons of bottled water last year, compared with 8.8 billion in 2007 -- the first decline this decade."

Embedded Energy and Climate Implications of Bottled Water

The energy used throughout the lifespan of bottled water is typically derived from conventional energy sources, particularly fossil fuels such as coal, natural gas, and oil. A great deal of energy is required for a multitude of uses when manufacturing and distributing plastic bottled water. Energy is also used to process the water that cleans, fills and labels the plastic bottles. It is also used to refrigerate the bottled water prior to use. Furthermore, energy is needed to collect empty plastic bottles to be recycled, which is an energy intensive process in itself.

The Pacific Institute found that producing polyethylene terephthalate (PET) resin, which is the material used to make plastic water bottles, to meet global bottled water demand requires the energy equivalent of 50 million barrels of oil. This value is only one-third of the total amount of energy required to meet the global demand for bottled water. The Pacific Institute estimated that the annual consumption of bottled water during 2006 in the U.S. requires the energy equivalent of 17 million barrels of oil. The Pacific Institute estimates the energy cost of producing bottled water is 2000 times greater than the cost of producing tap water.

When fossil fuels are combusted to create usable energy, greenhouse gases are emitted into the atmosphere. These greenhouse gases accumulate until substantial anthropogenic levels of greenhouse gases are found in the atmosphere, and thus increase the greenhouse effect that leads climate change. Bottled water requires vast amounts of energy that is made from fossil fuels and therefore contributes to climate change. If the estimated energy needed to satisfy the global demand of bottled water were combusted, approximately 40 billion pounds of carbon dioxide would be released into the atmosphere.

Pollution

After the production of billions of plastic water bottles, billions of empty bottles remain. Due to the “on-the-go nature” of bottled water, the Food and Water Watch estimate that less than 14 percent of the plastic water bottles in the U.S. are recycled. The other 86 percent of bottles end up in the garbage. Each year, about two million tons of plastic bottles are added to U.S. landfills. When a plastic bottle enters a landfill, it can take hundreds to thousands of years to decay and some leach harmful chemicals into the ground, potentially polluting the surrounding soil and ground water. Plastic bottles are also often incinerated, releasing toxic chemicals into the air or disposed of in the ocean. Over 2 million bottles are used every five minutes in the U.S., with only one in every 10 bottles being recycled. The other nine bottles end up in the ocean or landfills. In 2007, 8.8 billion gallons of bottled water were consumed in the U.S., this is an average of 232-16 ounce bottles per American citizen. An estimated one in ten bottles was recycled and approximately 63.4 billion plastic bottles were dumped into the oceans and American landfills in 2007 alone. That averages to about 173,589,041 bottles per day or 120,548 bottles per minute. As a result of America’s obsession with plastic water bottles, there is a garbage heap twice the size of Texas in the North Pacific Ocean. The trash composition is made up of various kinds of accumulated waste, but the majority is plastic particles. This trash directly affects marine life. In turn the marine life can have an indirect effect on human livelihood.

The Earth’s oceans hold 97 percent of the Earth’s water, are the driving force behind climate and weather, and they are responsible for the creation of most atmospheric oxygen. Oceans feed and sustain life on Earth, yet humanity is rapidly poisoning the oceans with hundreds of millions of tons of plastic. When plastics enter the ocean they accumulate in the Pacific gyre, a large swirling vortex of ocean currents in the Pacific caused by the Coriolis Effect. There is such an exceptionally high concentration of plastic in the region that it is referred to as the Great Pacific Garbage Patch, and is estimated to be twice the size of Texas. In 2001, the *Marine Pollution Bulletin* reported that there are six

pounds of plastic floating in the Pacific Gyre for every pound of naturally occurring zooplankton.

When plastic enters the oceans it does not decompose. Instead, the durable material slowly photo-degrades, a process whereby sunlight breaks it down into progressively smaller pieces called *nurdles*. These nurdles resemble food to filter feeding organisms, such as zooplankton and jellyfish. Hideshige Takada, an environmental geochemist at Tokyo University, has discovered that floating plastic fragments accumulate DDT, PCBs, and other toxic and carcinogenic chemicals. When organisms ingest plastics they are inadvertently consuming toxins. These toxins can bioaccumulate within the food web, passing from zooplankton to fish to human beings, all with unknown consequences. Pollution is worse in the Pacific gyre because of the more developed countries that surround it. As globalization continues and the developing nations increase their waste, other gyres will be more heavily affected. It is essential that America as a developed nation implement better environmental policy to set the framework for other nations to follow. If nothing is done, plastic waste in our oceans will continue to increase at an exponential rate.

Social Issues

The privatization of water in the form of bottled water produces a disproportionate number of impacts to society. For one, bottled water corporations threaten local control of water supplies in communities across the globe. Once these companies gain access to a water source, they usually take the lion's share of water, thereby jeopardizing the sustainability of the community's water supply. Furthermore, by relying on bottled water as a source of drinking water, there is a decrease in demand for clean drinking water provided by government (e.g. municipal). This consequentially results in the deterioration of water infrastructure nationwide, and could potentially be detrimental to people who cannot afford to buy bottled water. In sum, bottled water violates two tenets: 1) Water is a public trust resource that should be protected; and 2) Access to clean, safe water is a basic human right.

Health and Safety

To encourage people to purchase bottled drinking water, water-bottling corporations employ clever marketing and advertising that misleads the public about the purity of their product. This type of marketing has steered people away from drinking tap water, resulting in an upward trend in bottled water sales until recently, as mentioned previously. In reality, bottled water is less regulated than public water systems. Water quality studies have revealed that bottled water can contain contaminants such as arsenic, harmful bacteria, and toxic chemical compounds. By law, bottled water companies do not have to

reveal the source of the water to customers nor are they accountable for any claims made on the label. Therefore, consequences could arise from the quality of the unknown water source. Public water systems, on the other hand, are required to disclose the source and quality of its water and must conduct frequent and rigorous water quality tests. Furthermore, tap water is regulated by the U.S. Environmental Protection Agency and held to state and federal clean drinking water standards. Bottled water falls within the jurisdiction of the Food and Drug Administration, which does not have the resources or capacity to effectively monitor and test the quality and safety of bottled water. Moreover, bottling water in plastic results in the leaching of petroleum-based toxins into the water, especially when the plastic bottled is heated or frozen. Ultimately, plastic can poison your water.

Annual Bottled Water Consumption at HSU

Approximately 78,700 bottles are sold at Humboldt State University each year through permanent outlets. Of the six outlets where bottled water is sold on campus (not including vending machines), only the Depot, the University Bookstore and the South Campus Marketplace are open for business year-round. Humboldt State University has a relatively large consumer base totaling approximately 7,800 students, 521 faculty and staff, and a large number of people working or visiting campus (e.g. construction workers or prospective students). Between March and September 2009, the Depot sold a total of 27,356 units of bottled water, with the bulk of the sales occurring during the months when school is in full session (*please see Appendix A: Monthly Campus Bottled Water Sales Figures*). For the remainder of the months that are included in the count, the campus was open for the summer school session, three Humboldt Orientation Program events, the first week of the fall semester, and to year-round staff. The South Campus Marketplace sold approximately 10 percent of the Depot's bottled water sales during the April through August 2009 time frame.

Other Anti-Bottled Water Campaigns

The concept behind HSU Takes Back the Tap is not unique to Humboldt State University. In the past few years, organizations and campuses across the nation have established similar initiatives to address the issue of bottled water. The largest of these campaigns have been *Think Outside the Bottle* (Corporate Accountability International) and *Take Back the Tap* (Food and Water Watch), the latter of which has helped to establish chapters on numerous campuses nationwide. These universities include: Duke University, American University, Penn State University, Cornell University, Washington University, Arizona State University, Northern Arizona State University, CSU Chico, Montana State

University, Portland State University, and of course, Humboldt State University.

The aforementioned campuses are working hard to garner support for their respective campaigns through education and by establishing anti-bottled water initiatives. Some schools have been successful in conducting tap versus bottled water taste competitions (e.g. Duke University) and others have worked with campus administrators and facilities management to retrofit existing drinking fountains to dispense filtered water for refillable bottles (e.g. CSU Chico and Penn State). Campuses have also held film screenings and panel discussions on various issues relating to bottled water.

Our Mission

The mission of HSU Takes Back the Tap is to educate the community about the negative environmental, social, and health effects associated with bottled water at HSU.

Goals and Objectives

Goals

- 💧 Promote the consumption of local tap water
- 💧 Promote the use of reusable drinking containers
- 💧 Attempt to reduce single-use plastic bottled water on campus
- 💧 Educate students, faculty and staff about the impacts of bottled water

Long-term Goals

The long-term goal of HSU Takes Back the Tap is the gradual discontinuance of bottled water on Humboldt State University's campus. The campaign will be considered successful if a cultural and behavioral shift occurs on campus that makes this campaign obsolete within the next ten years.

Objectives

To achieve our goals we have set these specific objectives:

- 💧 Reduce the number of single-use water bottles sold on the HSU campus by 20% within two years. This means sales will be reduced by 15,740 bottles by the 2011- 2012 school year, based on the 2007-2008 sales estimates.
- 💧 Our long-term objective is to have a 50% reduction in single-use plastic water bottle within 5 years. This means sales will be reduced by 39,350 bottles by the 2014- 2015 school year, based on the 2007-2008 sales estimates.
- 💧 Total phase-out within 10 years.

Weighing Alternatives

1. Bottle Exchange

Pros: Provides incentives for using a reusable water bottle

Cons: A student might receive multiple reusable water bottles;

This idea could be a huge cost

2. Bottle-Free Days/Zones/Weeks at HSU

Pros: Brings attention to the issue;

May compel people to participate by not consuming bottled water on that day or in an established bottle-free zone;

Educate students, faculty and staff how many plastic water bottles they consume.

Cons: May not receive approval from the University to establish a bottle-free zone on campus;

Will require a lot of marketing prior to the bottle-free day/week;

May not be able to enforce the bottle-free zone.

3. Educational Film Screenings

Pros: Educational outlet for TBTT;

Another method for TBTT marketing and outreach

Cons: Funds might be needed for films not available on campus;

Potential small turnout of viewers if not well advertised.

4. Class Presentations

Pros: Educational outlet for TBTT;

Another method for TBTT marketing and outreach;
Great opportunity to reach a captive audience of student

Cons: Teachers may not be receptive to us taking up class time;
Volunteers might not want to participate

5. Raffle off prizes such as re-usable water bottles, filters, gift certificates, etc.

Pros: Because raffle participants will either be people who sign the TBTT pledge or are spotted with a reusable water bottle during one of our class presentations, the raffle will provide an incentive for more students to start using reusable water bottles

Cons: Requires TBTT to ask and obtain donations which is time-consuming

6. In campus marketplaces, stock already filled and chilled, reusable water bottles as an alternative to chilled plastic bottled water

Pros: Provides a convenient alternative for the conscious consumer

Cons: Must receive permits to serve and sell water;
Resource and time intensive (must obtain a great number of reusable bottles and people to fill those bottles regularly)

7. TBTT Informational Library Display for Spring 2010

Pros: Great opportunity to educate both the outlying and campus community about the TBTT campaign because of its high-traffic location

Cons: Very time intensive and scheduling people to set up and tear down the display may be challenging (TBTT Club participation is mandatory).

No way to gauge how effective or persuasive the display is in its message.

8. Weekend Workshops with Key Note Speakers

Pros: Educational outlet for TBTT;

Time and resource intensive because of the amount of planning and marketing involved;

Might require funds

9. HSU TBTT tax on plastic bottles

Pros: Could Generate funds for campus water infrastructure projects, i.e. more Hydration Stations, or existing drinking fountain retrofits

Provides more alternatives to bottled water on campus

Fulfills all three of TBTT's objectives

Cons: More knowledge is needed to discover how this tax will be administered;

May be difficult to earmark the revenue for water projects;

May have difficulty generating widespread support

10. Ribbon-cutting ceremony for Hydration Stations

Pros: Will enable us to promote the Hydration Stations in a very visible manner;

Marketing tool for the TBTT campaign;

Great topic for articles and press releases

Cons: May be time and resource intensive during the planning stage
Organizing event will need collaborative efforts and scheduling with collaborators may be challenging

11. Reusable drinking container drives

Pros: This would allow students to receive reusable drinking containers at no cost;

Does not require necessary funds

Cons: People may be apprehensive to using secondhand drinking containers
It may be a challenge to locate a place to wash and sanitize the cups and containers.

12. Incorporate language into AS budget that prohibits all AS organizations and programs from using AS funds to buy plastic disposable bottled water

Pros: Meets all three of TBTT's objectives to reduce bottled water on campus.

Cons: May not receive full support of AS Council and staff

May not be able to outright ban the purchase of bottled water with AS funds

13. Attach TBTT Informational Stickers on Applicable Educational Books and Movies on water-related topics that are provided in HSU's Library

Pros: Educational promotion for TBTT

Cons: Need to contact library and find out if idea is possible; Library may not give us approval

14. Work on Websites for TBTT

Pros: Educational outlet for TBTT;

Will give the TBTT campaign a more professional look;

Allows for more people to contact us

Cons: Website-design skills may be needed;
Time intensive

Implementation Strategy and Timeline

August:

Tabling: Tabling is an essential part of Take Back the Tap's educational outreach. Club members sit out on the UC Quad in shifts during times of high foot-traffic in order to reach out to the maximum number of students, staff, faculty and administrators as possible. These hours of peak traffic tend to be mid-day (10:00 a.m.-2:00 p.m.), with the busiest day usually being Wednesday. While at the table, TBTT club members educate the passerby about the environmental, social and health impacts of bottled-water in hopes of motivating them to stop supporting the bottled water industry. We have developed effective means to encourage the campus community to stop using bottled water by asking people to sign a pledge to stop buying bottled water. Also, during tabling sessions, we offer passersby free, filtered water from Brita pitchers provided by TBTT Club members.

Library Display: On Monday August 17, 2009, Sarah Schneider reserved the HSU Library Display for the week of August 25 through September 1, 2009, as well as for April 20-26, 2010. She went into the Library administrative office at 8am and was the first student to reserve the display. She spoke with Jennifer Sowle. Prior to setting up the display, members of the TBTT group designed posters and informational fliers based on information we found on the Internet (e.g. www.takebackthetap.org; www.foodandwaterwatch.org). We also collaborated with HSU's Sustainability Coordinator, Tallchief Comet (TC), to collect ~500 empty plastic water bottles from campus recycling to fill a portion of the display (*please see Appendix B: Library Display photographs*). As the overseer of campus recycling, TC was incredibly helpful in getting us access to the bottles.

HOP Tabling: On August 19, 2009 TBTT/CRP coordinators Sarah Schneider and Juliene Wintermute tabled on the UC Quad for the Humboldt Orientation Program (HOP). We disseminated information about the campaign to incoming freshmen and transfer students as well as their parents. At this time, we did not distribute paper-based information because we believed that most of it would end up being thrown out. However, we soon began printing out fact sheets to hand out to passersby due to the demand for information they could take home to share with others.

Contact with National TBTT: On August 21, Sarah emailed Corie Lopez (Food & Water Watch, West Coast TBTT organizer) about obtaining TBTT marketing materials and campaign assistance:

Hi Corey,

My name is Sarah Schneider and I am the new Take Back the Tap coordinator at Humboldt State University. A few months ago you had sent out an email notifying us about a possible tool kit to help campuses improve and expand (or initiate) their campaigns. I'm writing to find out if that tool kit is available and to find out if FWW will be assisting campuses in other ways, i.e. access to marketing materials.

Much appreciated,

Sarah ;)

Sarah Schneider

Take Back the Tap Coordinator

Humboldt State University

tapthatsu@gmail.com

(702) 238-6216

Call with Corie Lopez: On August 27, Sarah had a phone call meeting with Corie Lopez. Sarah took the opportunity to tell Corie about the work that the HSU TBTT team had been doing including the semester's upcoming events. She also asked Corie for assistance in marketing the campaign. The phone call was incredibly productive and has resulted in regular correspondence with Corie. Furthermore, Corie shipped HSU TBTT a large box of marketing materials (e.g. TBTT reports, stickers, fact sheets) and a copy of Food & Water Watch's documentary, *Blue Gold*.

Official Club: The creation of the HSU's Take Back The Tap club began last semester as an idea among Amanda Platt, Beth Oates and other ENV5 410 capstone class group members. At the beginning of this semester Amanda and Beth filled out the required paperwork and set up a meeting with the clubs/activities office to see to it that HSU's TBTT became official. The approach to the meeting was to stress the key points of our initiative and prove our effectiveness as a club. Beth met with the clubs office and successfully argued our side; Take Back The Tap became an official campus club.

September:

Tabling: September 2, 2009 TBTT tabled on the UC Quad for the Service Learning Fair (Sarah Schneider)

September 3, 2009 TBTT tabled during the Multicultural Center's Convocation (Sarah Schneider)

September 9, 2009 TBTT tabled on the UC Quad for the HSU Clubs Fair (Kylee Singh, Sarah Schneider, David Shibley)

September 16, 2009 TBTT tabled on the UC Quad for the Wellness Fair (Kylee Singh, Sarah Schneider, David Shibley, Melissa Pawson)

For September's tabling opportunities, Sarah Schneider contacted the appropriate event coordinators and reserved a space for TBTT to table. However, since TBTT was not yet an official campus club, we could not reserve a table during the Clubs Fair (September 9). Instead, Kylee Singh, Sarah Schneider and Amanda Platt (TBTT Club co-director) borrowed a cart from the Campus Recycling Program and wheeled our "table" around the Quad during the fair. We gave out literature about the campaign, asked people to sign the pledge (*please see Appendix C: TBTT pledge*), and re-filled reusable water bottles with filtered water. After the first hour of "guerilla tabling," Kylee Singh secured an empty stationary table for TBTT.

Indigenous Peoples Week and Day of Action Planning: On September 1, Sarah Schneider met with Marylyn Paik-Nicely and Mona Mazzotti of the Multicultural Center (MCC) to talk about TBTT and the MCC collaborating on future events and to talk about combining the TBTT Day of Action on October 14, 2009 with Indigenous People Week (IPW). Sarah came to the meeting with a list of ideas, including the idea of a panel discussion on the negative impacts of bottled water on indigenous peoples worldwide to be held on October 14. Marylyn suggested contacting Paula (Pimm) Allen at Potawot (UIHS) about her efforts to establish an anti-bottled water movement. Sarah called Pimm to find out more about her "campaign" and to invite her to sit on our panel. Pimm was originally interested in participating in the event and had put Sarah in touch with Chris Peters at the Seventh Generation Fund (SGF) in hopes of finding more speakers. Sarah then contacted Chris but learned that the SGF would be in Washington, DC during IPW. Sarah also approached Dr. Jacquelyn Bolman, director of the Indian Natural Resources, Science and Engineering Program (INRSEP), but Dr. Bolman was scheduled to be out of town during IPW. However, she suggested contacting Mo Sonique, a native woman working on water issues in the Klamath Basin. Below is the email message that was sent to Mo:

Hi Mo,

Dr. Jacquelyn Bolman recommended that I contact you regarding possibly sitting on a panel for Indigenous Peoples Week (Oct. 12-16) at Humboldt State University. My name is Sarah Schneider and I am a program coordinator for both the Green Campus Program (energy efficiency & water conservation) and HSU Takes Back the Tap (anti-bottled water campaign). I am organizing 2 panels for IPW: 1.) Bottled water and its negative impacts on indigenous peoples, and 2.) Tribal Energy Forum (I've attached the descriptions for both panels to this email). Jacquelyn expressed to me how amazing you are and I am very excited to talk

with you about these panels. When would be a good time for us to chat?

Much appreciated,

Sarah Schneider
Take Back the Tap Coordinator
HSU Campus Recycling Program
sys2@humboldt.edu
www.takebackthetap.org

Unfortunately, Mo was not returning to the Humboldt area until December and therefore was physically unavailable to participate in the panel discussion. She did however suggest that Sarah contact PennElys Goodshield (Sustainable Nations and HSU Native American Studies department). Sarah had already emailed PennElys prior to corresponding with Mo and was waiting for a reply. After not hearing back from her after one week, Sarah asked Dr. Bolman to contact PennElys on her behalf, which Dr. Bolman happily obliged. Soon after, PennElys responded to Sarah's original email stating her interest in participating in the panel discussion. However, after not hearing back from PennElys for several days, Sarah emailed the Native American Studies Department to find out when and where PennElys was teaching. Her intention was to make it as convenient as possible for PennElys to briefly meet to go over the details for the upcoming event. PennElys promptly replied and they met for 10 minutes on September 8 to discuss the event.

While in the midst of contacting potential panel speakers and coordinating the event, Kylee Singh contacted Marlon Sherman (HSU Native American Studies department) about sitting on the panel. Kylee made a few attempts at emailing and calling Marlon's office but he failed to respond. We later learned that he was ill and away from campus.

After submitting a workshop proposal for IPW (*please see Appendix D: IPW Workshop Proposal*), Sarah attended a month of weekly planning meetings for IPW, held each Monday from noon to 1pm at the MCC. The purpose of attending these meetings was to maintain a presence as a TBTT representative and to forge new working relationships with the various groups involved with the IPW (e.g. The MCC, INRSEP, and the Indian Teacher & Educational Personnel Program (ITEPP) club).

Planning of Film Screenings: As well as the panel discussion, Sarah organized three film screenings of *FLOW: For the Love of Water, Thirst*, and *Liquid Assets* for the Day of Action on October 14. She reserved two rooms in Founders Hall, and because of the collaboration with the MCC and IPW, she was able to secure the Goodwin Forum for both a film screening and the panel discussion. Sarah borrowed the films from Corie Lopez of the Food and Water Watch (TBTT

west coast organizer). In order to find people to operate each film, Sarah organized and held a volunteer meeting on October 1 with the help of Kylee who had reserved the room. Though there was a small turnout, three students volunteered to show the films and to table during the week to promote the Day of Action. Sarah then contacted Philip Hooker of the HSU Media Services department and scheduled Smart Classroom training for the volunteers.

To market the Day of Action, Sarah worked with Matthew Freeman of the Campus Recycling Program (CRP) to design the poster (*please see Appendix E: Day of Action poster*). In addition to designing the poster, Matthew also printed up 20 posters and charged the CRP on behalf of the TBTT branch of the CRP. After receiving permission from the school, Sarah hung the posters on bulletin boards in high-traffic buildings (e.g. University Center, Natural Resources, Founders Hall, Gist Hall, Seimens Hall, Forestry, Science A and D, Harry Griffith Hall, the Library). She also gave a stack of 30 color-photo-copied posters to Jeremy Davis (Resident Life Coordinator), to distribute in the Resident Halls. Two weeks prior to the Day of Action, Sarah submitted a two event listings to the HSU website advertising the panel discussion and the Day of Action. One week prior to the Day of Action, she advertised through the University Weekly Notices, an email that goes to the entire campus community.

In mid-September, Sarah reserved Quad space above the Depot for a temporary banner to advertise the Day of Action. To do so, she went to the Info Counter in the University Center and reserved the space for October 12-14, 2009. Juliene Wintermute created the temporary banner.

Sarah also emailed Dr. Steven Martin (Department Chair of the Environmental Science department) to ask about sending out an email notice about the Day of Action to every student in the department, of which he obliged.

Furthermore, the Day of Action was advertised at the TBTT table and through word of mouth by members of the TBTT campaign.

Lastly, the panel discussion and film screening of *FLOW* (events officially part of IPW) was listed in the IPW schedule of events which was sent out to email listservs for numerous on and off campus organizations.

AS Presents and Brother Ali concert: After reading about successful bottle-free events in the Take Back the Tap's *Practical Guide to Bottle-Free Events* (*please see Appendix F: Practical Guide to Bottle-Free Events*), Sarah Schneider came up with the idea of approaching AS Presents and Center Arts about going bottle-free (e.g. concerts). After visiting the AS Presents website to locate the appropriate person to speak with, Sarah asked Juliene Wintermute to contact Michael Moore, Jr. (Director of AS Presents). After she scheduled a meeting to discuss of the possibility of AS Presents going bottle-free, Juliene was in a car accident and was unable to meet with Michael. She asked Sarah to meet with

him instead. On September 28, Sarah met with Michael and discussed the TBTT campaign and our hopes to collaborate with AS Presents. After receiving mixed feelings about the request to go bottle-free, Sarah presented Michael with different ways we could still collaborate (e.g. providing reusable water bottles or cups), he agreed to this and allowed TBTT to provide reusable cups and educational material for the October 14 Brother Ali concert in the Kate Buchanan Room. These items were placed backstage at the hospitality table. After the meeting, Sarah contacted Juliene, who is also the Zero-Waste Coordinator for the CRP, about coordinating with Michael about the delivery and pickup of cups to the concert.

Osprey article interview: On September 24, Sarah was interviewed by two journalists writing an article on bottle water and the TBTT campaign for the next issue of the *Osprey* magazine.

Meeting with Service Learning: On September 30, Sarah attended an HSU Service Learning meeting (SL). SL invited TBTT to the meeting to learn more about our campaign and to find ways we can collaborate. They also offered their assistance in funding marketing materials for TBTT and by advertising TBTT volunteer opportunities on their massive listserv (~1000 HSU students).

Winzler and Kelly Letter: On September 14th, Melissa Pawson made a call to TBTT's primary Winzler and Kelly Contact, Mary Grace Pawson. During this call a summary was given about HSU's Take Back the Tap (TBTT) campaign and prior successful endeavors. This was done to investigate if Winzler and Kelly would be willing to sponsor HSU's Take Back the Tap campaign. It was discovered that Winzler and Kelly does give donations to campaigns like HSU's Take Back the Tap and to make this possible and more successful a one-pager and tax incentive was suggested.

Melissa then started to create a one-pager (*please see Appendix G: Winzler and Kelly letter*) that was greatly influenced by an informative flyer (*please see Appendix H: TBTT one pager*) made by Sarah Schneider and a fund raising letter written by Kylee Singh (*please see Appendix I: Donations letter*). The HSU's TBTT club worked diligently to provide tax incentives to our sponsors. The final edits have almost been completed on the one-pager. Finally the paper work needs to be filed to allow our sponsors tax incentives on their donations.

The one pager works well as a strategy to provide funds for the club because it tells the sponsor who and what HSU's TBTT is. It also gives examples of how prior funds have been used. The letter also promises that donations will only be used for HSU's TBTT purposes.

Steve Allen has been established as a contact in the Eureka office of Winzler and Kelly. If he cannot directly help us, he will be able to suggest someone else.

The strategies are mentioned above. Also, if needed a presentation will be created to present to Winzler and Kelly giving a description about HSU's TBTT campaign and actual ideas for their funding and their cost to give our proposed sponsor a more concise idea of what their donations will be going towards.

Along with possibly creating a sponsor, creating a contact with Winzler and Kelly will provide excellent networking for our campaign. It will also lend the campaign more credibility which will also help increase networking with other appropriate businesses in the area. Winzler and Kelly have mentioned to contact Aldaron Laird who is a business owner in Arcata, who sits on the board of the Humboldt Bay Municipal Water District (HBMWD). HBMWD previously started a "Tap the Mad" campaign, which is very similar to HSU's Take Back the Tap campaign. He owns a company Trinity Associates and might contribute to HSU's TBTT. He will be contacted in November. Carol Rieche was another contact that Steve Allen suggested. She is the general manager of HBMWD. We have tried to make a contact with her prior to possibly contacting her in November. HSU's TBTT might have better success if we have other possible sponsors, which will increase our networking as a club. HSU's TBTT will be more successful in addressing our problem statement with the help of sponsors and contacts made throughout Arcata and Humboldt County.

Rieche

October:

Volunteer Meeting on 10/1: In order to obtain volunteers for upcoming TBTT events, particularly Day of Action film screenings and tabling on the Quad leading up to the Day of Action, Sarah organized a volunteer meeting. Kylee reserved Nelson Hall East room 116 for the meeting. Only four students attended the meeting but all were eager to participate in the campaign in some capacity. Sarah briefly described the campaign, explained the events that needed volunteers, asked who was interested in what, and took their contact information. For the volunteers interested in table, Sarah organized a day and time to hold a tabling training.

Meeting with Aldaron Laird and Tera Prucha: On October 2, Sarah and Beth Oates (TBTT club co-director) met with Aldaron Laird (Vice President of the Humboldt Bay Municipal Water District (HBMWD)) and Tera Prucha (Director of HBMWD). Both Dr. Dick Hansis and Tallchief Comet (TC) individually notified Tera and Aldaron about the TBTT campaign at HSU, and Aldaron then emailed Beth about meeting. The meeting was held at Aldaron's office in Arcata and it offered both TBTT and the HBMWD, as it pertains to the water district's *Tap the Mad* campaign. We described our respective campaigns and past and future activities, as well as how we can collaborate in the near future. After the

meeting, Sarah emailed some TBTT materials to Aldaron and Tera.

Tabling Training: On October 5, Sarah held the tabling training session on the UC Quad for the volunteers. She showed the volunteers the location of the table and the tabling supplies, what to put on the table, what information is most useful to share with passersby, and how to obtain signatures for the TBTT pledge form and the Assembly Bill 301 postcard (*please see Appendix J: AB 301 postcard*).

Meeting with Dining and Housing Administration: On October 7th Kylee, David and Melissa were able to meet with Jeremy Davis, Ron Rudebock and John Capaccio regarding TBTT's presence in Housing and Dining. We obtained some contacts from Jeremy and were allowed by Ron to post "warning" signs on the bottled water fridge doors in the "J" for the Day of Action. Also during the meeting, we were told by John that we could contact them for anything we needed while conducting the prospective drinking fountain survey.

National TBTT conference call: On October 7, Sarah participated in a nationwide TBTT conference call to discuss the upcoming Day of Action. TBTT coordinators from each participating campus briefly described the various events and activities planned for the Day of Action (e.g. film screenings, bottle-free zones, tabling).

Meeting with Ann Alter: On October 8, Sarah and James Robinson (Manager and committee member of the Humboldt Energy Independence Fund (HEIF)) met with Ann Alter (HSU Theater, Film and Dance department faculty) to discuss the short educational videos that students in Ann's spring TFD 477 course will be creating for TBTT (this is a HEIF grant proposal project designed by the Spring 2009 ENVS 410 TBTT group). Ann stressed to us the importance of enrollment in this course and we discussed the range of possibilities for the videos.

Planning for Hydration Station Ribbon-Cutting Ceremony: On October 8, Sarah emailed Rob Gunsalus (Vice President of University Advancement) and Paul Mann (Senior Communications Officer for the University) about the upcoming Hydration Station ribbon-cutting ceremony. The purpose of emailing them was to ask for their assistance in planning the event and in marketing the installation of the Hydration Stations. Below is Sarah's email:

Hi Rob and Paul,

Last semester, HSU Takes Back the Tap was awarded a HEIF grant to fund, in part, a Hydration Station <http://www.hawsco.com/hydration-station.asp> as an educational method of steering people from bottled water to drinking local tap water. The installations of these super-duper drinking fountains (SBS building

and the Depot) will take place in the next weeks.

HSU Takes Back the Tap (TBTT) is planning a ribbon cutting ceremony to bring visibility to not only the Hydration Stations, but to the TBTT campaign and HSU. We will be writing up a press release and sending out invites and notices about the event.

I have a few questions:

- 1) Can Humboldt Now publish an article about the Hydration Stations?
- 2) Can the University's photographer be present at the event?
- 3) Does the University own a large pair of scissors that we can use for the event?

I will keep you posted on the status of the installations. This is so exciting because the anti-bottled water movement is gaining momentum nationwide (and Canada too) and HSU has the opportunity to be one of the forerunners. I was on a nationwide conference call yesterday and people are very impressed with the strides HSU has taken so far.

Thanks!

Sarah ;)

Sarah Schneider
Take Back the Tap Coordinator
HSU Campus Recycling Program
sys2@humboldt.edu
www.takebackthetap.org

Donation rally: On October 12th, in preparation for TBTT's Day of Action, Kylee went on a donation rally. She was able to collect donations from the following:

- 💧 Imperial Valley Compost 10/6/2009 they will be mailing a donation check for \$100, WOOHOO! :), Bruce
- 💧 Beachcomber Cafe 10/11/2009 5 Gift certificates for a coffee and pastry
- 💧 Rita's Mexican Restaurant 10/11/2009 3 gift certificates, Marlon
- 💧 Miss Iya's water world 10/11/2009 Not a supporter of our campaign because of the promotion of "unsafe tap water", Jim
- 💧 COOP 10/11/2009 Write a letter of Interest to Carolyn
- 💧 Emerald City Laundry 10/11/2009 A pink laundry bag, Peter
- 💧 Solutions 10/11/2009 A bike canteen holder along with a water filter part for canteens, Kevin
- 💧 The Outdoor Store 10/11/2009 Stickers, but said to come back when we know exactly what we want and John will support us

Meeting with RHA: On Monday October 12th Kylee was able to attend the Residence and Housing Association meeting. She did this in order to request a table in the "J" for the Day of Action. The request was granted and Kylee also informed them of our gratitude and willingness to work with RHA in the future.

Day of Action "Warning" signs: On October 14th, Kylee was able to post a warning sign on the Aquafina refrigerator door in the "J". The warning sign contained TBTT contact info and some "Not so fun facts" about bottled water. Kylee also attempted to put up signs in the Depot by attempting to contact Eddie Aguilar several times and also in the South Campus Market Place however both were unsuccessful.

Day of Action: October 14th, 2009.

- Panel Discussion and Film Screenings: October 14th, 2009. The purpose of the panel was to build awareness around the multi-faceted and contentious issue of bottled water and how it affects indigenous communities around the world. Both Sarah and Kylee researched case studies using the Internet and books, and then created a PowerPoint presentation for the event. Because the event was billed as a "discussion," Kylee suggested that we take a more informal approach and allow audience members to ask questions or add comments throughout the presentation.

The discussion began with Sarah welcoming the audience (comprised of roughly 15-20 HSU students) and introducing the panel speakers: PennElys Goodshield, Kylee Singh and Sarah Schneider. Kylee then spoke briefly about the TBTT campaign, with PennElys following a broad discussion on environmental justice. The event ended overtime (~30 minutes) due to overwhelming participation by audience members in the discussion.

After the panel discussion, the TBTT volunteers screened the films *FLOW: For the Love of Water*, *Thirst*, and *Liquid Assets*. Both *FLOW* and *Thirst* are films that focus on the regional scarcity and privatization of water, and *Liquid Assets* is about the importance of investing in the nation's aging water supply and wastewater infrastructure. The purpose of showing these films was to educate people about current and future global and regional water issues. During the film screenings, Sarah went around to each room observe the turnouts and check on the volunteers. Although *FLOW* had an extremely poor turnout, *Thirst* and *Liquid Assets* had several viewers.

- Tabling in the J: On October 14th, Kylee and Club organizer Beth Oates were able to Table in "J" from 10-1. Kylee and Beth went around to lunch tables talking to students and handing out buttons.
- Humboldt Bay Municipal Water District meeting rally: During multiple class presentations prior to TBTT's Day of Action Kylee announced that TBTT would be attending The Humboldt Bay Municipal Water Districts Arcata Meeting and if anyone was interested in attending they could meet our group in the quad for a walk over. On October 14th, we met at

5:30, this event was a success, about 10 students met us and we had a lovely walk over to the Arcata Neighborhood center.

💧 *Brother Ali concert:* On the day of the concert, Sarah compiled and delivered the educational materials to Michael Moore (AS Presents). She then attended the show later that evening. To her (joyous) surprise, Brother Ali was drinking out of one of the cups TBTT provided while performing on stage and he even briefly spoke to the audience about some of the negative issues associated with bottled water. Furthermore, another rapper on the *Fresh Air* tour, Toki Wright, was also drinking out of a TBTT cup during the concert. Sarah spoke with him briefly at the merchandise table and thanked him for choosing tap over bottled water.

Meeting with CCC: On October 19th, 2009 Kylee was able to meet with the CCC to secure funding for the upcoming Chico Sustainability Conference. The meeting was a series of questions from the board and then some information to ensure all proper documentation was filled out. The meeting was a success and 75% of the conference expenses will be covered.

TBTT Appropedia page: On October 19, students from the Engineering 115 course contacted Sarah via email, requesting for information about the TBTT campaign for an Appropedia.org assignment (*please see Appendix K: TBTT Appropedia.org webpage*). Sarah immediately emailed the students a brief overview of the campaign including structure, objectives and goals, activities, photos, and marketing materials to include on the webpage.

Installation of Hydration Station: Both Hydration Stations were installed during the week of October 26. One unit is located in the Depot and the other is in the Kinesiology and Athletics (K & A) building. Prior to the installations, Sarah spoke with Randy Davis at Plant Operations about the selected locations. Originally, one of the units was to be installed in the Student Business Services (SBS) building, but after workers cut into the wall and discovered that the unit would not work in that location, it was agreed that the K & A building was the next best option.

Lumberjack article interview: On October 29, Melissa Hutsell from the Lumberjack called Sarah for a brief interview for a November 4th article she was writing on the installation of the Hydration Station (*please see Appendix L: "Campus Welcomes Hydration Stations"*). Sarah answered what she could about the Hydration Stations and deferred the remaining questions to Natalynn Delapp, former HSU TBTT campaign director. Following the phone call interview, Sarah emailed facts about bottled water's negative impacts to Melissa.

Humboldt Now article interview: On October 30, Sarah Schneider was interviewed by Humboldt Now staff writer, Brandi Fleeks, about the Hydration

Stations and TBTT campaign. Because the questions focused largely on the process of obtaining the Hydration Stations, Sarah asked Natalynne Delapp (who could not be present at the interview) to contact Brandi with more detailed information for the November 12 article (*please see Appendix M: Humboldt Now article*).

Hydration Station Signage: Installation of the Hydration Stations has occurred in the Depot and Kinesiology Building on campus. HSU's Take Back the Tap would like to implement permanent signage in the Kinesiology and Depot to educate everyone about their options for drinking local filtered water on. The Athletic Director Dan Collen has been contacted discuss permanent signage in the Kinesiology Building. Ron Rudebock will be contacted in the next week to discuss permanent signage in the depot. During these meetings, HSU's Take Back the Tap will have a mock sign to show both Collen and Rudebock so they can make suggestions. We will also stress that this provides options for everyone on campus and that the implementation of the Hydration Station will not completely replace other forms of water available on campus. This might help ease their concerns and hesitations. However, we will also stress how HSU's Take Back the Tap along with the Humboldt Energy Independence Fund Committee contributed to the Hydration Stations and that we are dedicated to our campaign.

November:

Tabling: Club co-director Amanda Platt has taken responsibility for organizing and scheduling the remaining tabling events for the semester.

Sustainability Conference: On November 5-8th CSU Chico hosted the This Way to Sustainability IV Conference. The conference featured numerous speakers that presented on various environmental and social issues pertaining to sustainability. HSU TBTT members caravanned to Chico to attend the conference, thanks in large part to a travel grant provided by the CCC. During the conference, we met with Corey Lopez from the national TBTT campaign and Diana Dottai from the CSU Chico TBTT, and discussed further strategies for the campaign. The CCC (as mentioned earlier in the document) has reimbursed us 75 percent of the travel expenses.

Water bottle order with CRP and AS: On November 2, the process of purchasing aluminum water bottles through Associated Students (AS) began. Initially, the pursuit to obtain more reusable and customized water bottles began in September 2009 when Austin Rasmussen (Educational Director for the CRP) approached Sarah about the CRP possibly putting up the capital to purchase more bottles for TBTT. The previous lot of reusable water bottles was purchased by the spring 2009 ENVS 410 TBTT group through PrintGlobe, Inc.

at \$2.99 per 16-ounce unit. After corresponding with John Petersen (PrintGlobe, Inc. sales representative) and researching bottle options on PrintGlobe, Inc.'s website, Sarah received a reasonable quote of \$3.49 per 20-ounce unit. On November 2, Austin gave the printed out quote and contact information for PrintGlobe, Inc. to the AS budget office to place the purchase order. Pursuant to AS policy, the water bottles cannot be sold and must be given away at events that the CRP is officially participating at. Furthermore, the water bottles must be stored at the CRP office. The bottle shipment will be delivered to the HSU campus on December 18, 2009.

Class Presentations: Class presentations are a useful tool in outreach. During the month of November, club members planned on delivering short 5 minute presentations to briefly educate students about their bottled-water consumption and promote the newly installed Hydration Stations. During our presentations, we had planned on giving out raffle tickets to anyone with reusable water bottles for a chance to win various prizes donated by local sponsors. In order to perform class presentations it was essential to clear it with the professor ahead of time. On October 30th a bulk email was sent out asking professors if they might have a few minutes at the beginning of each class for a quick presentation from TBTT Club members. The email was as follows:

Good Evening Professor,

Hopefully your weekend is off to a wicked good start and continues to improve! My name is David and I am with HSU's Take Back The Tap. Our purpose is to raise awareness and educate on the impacts of bottled-water and our goal is to reduce consumption of bottled-water on HSU's campus.

By the end of the month we will have new two hypoallergenic filtered Hydration Stations installed, funded by the HEIF. We will be making class presentations in the upcoming weeks before Thanksgiving to promote the Hydration Stations and briefly educate students on a couple eye-opening facts about bottled-water use. I am writing you in hopes that you might allow us to make a presentation in the first few minutes of your class. It would be great to cover a wide range of majors and especially important to get the large lectures and freshman general ed classes. Your support would be greatly appreciated.

Thank you for taking time away from painting faces and handing out candy to respond to my email.

I hope to hear from you soon, have a Happy Halloween!

*David J Shibley
HSU Take Back the Tap
661-878-4451*

Hydration Station Ribbon-Cutting Ceremony: On November 18, TBTT held a ribbon-cutting ceremony for the Hydration Stations. The purpose of the event was to a.) Promote the Hydration Stations and the consumption of local tap water; b.) Build awareness about the negative impacts of bottled water; c) Market the TBTT campaign; d.) Build stronger collaborative working relationships with multiple entities on campus (e.g. the Depot, the Athletics department, the Office of the President, and the City of Arcata). On November 2, Sarah contacted Eddie Aguilar (Depot manager) about holding the event in the Depot. She also reserved a space to table on the UC Quad during the event. Also on November 2, Sarah created and sent out a Doodle link to top campus administrators, faculty and staff to schedule the best day and time for the event. The event was advertised through the University Weekly Notice one week prior to the event, as well as on the HSU website's event page. Furthermore, the event was mentioned in the Lumberjack and Humboldt Now articles (*please see Appendices L & M: Lumberjack and Humboldt Now articles*). During the event, capstone TBTT team members (Melissa Pawson, Sarah Schneider and David Shibley) tabled on the UC Quad in front of the Depot and gave out information about bottled water. We also handed out raffle tickets to pledge signers and raffled off a free, custom TBTT aluminum water bottle.

December:

HSU TBTT Website: On December 1, Sarah emailed CRP staff, Matthew Freeman, the content for the CRP/TBTT webpage. Matthew will be creating the layout for the TBTT site.

AS Budget process: Starting in December, AS will begin its annual budget-writing process. TBTT is determined to get language into the 2010-2011 budgets that prohibit the use of AS funds to purchase bottled water. Sarah will contact the AS president to get a timeline and to ensure TBTT's presence at the budget committee meetings.

"Let the goods FLOW!" Raffle: At the end of the fall 2009 semester TBTT would like to hold an end of the semester raffle. It would also be great if we can make it happen by the date of the Hydration station ribbon cutting ceremony.

Spring 2010:

Bottle Tax: A bottle tax is something the TBTT group has thought about as an alternative to banning plastic water bottles on campus. This idea has also been tossed around as an idea for Arcata and also for the entire state of California. For HSU we think it would be beneficial if we could create a tax on the purchasing of any plastic water bottles on campus. This tax would then create

a fund to help renovate HSU's current water infrastructure, such as piping and fountain systems so that the quality of water on campus can be improved.

Drinking Fountain Surveys: The Drinking-Fountain Survey aims to cover multiple approaches to properly examine the quality of campus and Housing drinking fountains. The survey will locate and map every fountain on campus and in Housing that provides accessible free-drinking water. Mapping will be done with use of GPS hand-held devices made available by through the Geographic Information Systems department. Our survey will also provide each fountain with a quality rating, which will be calculated based on both qualitative and quantitative observations (*please see Appendix N: Rubric for Drinking Fountain survey*). These observations include: clarity, temperature, pH levels, quality of taste, water pressure, accessibility, aesthetic appeal.

Weekend Workshops: These workshops are open to the whole campus and general interested public. HSU TBTT wants to stress the importance of the issues at hand and to increase educational outreach of the campaign. Keynote speakers will be addressed to talk on important issues. Keynote speakers will include professionals, such as our sponsors, and other professionals who support and are dedicated to our campaign. Tactics that will be used to persuade keynote speakers will be educating or realizing how their life's work is connected to issues that we are very concerned about. The issues that HSU's TBTT addresses touch on a multitude of matters that affect everyone. With prior success of our panel discussion on *Bottled Water and its Negative Impact on Indigenous Peoples* that occurred on the Day of Action, the club believes that these Weekend Workshops will be successful.

Film Screenings: Film screenings are another form of educational outreach for the TBTT campaign. They will further help educate students, faculty, staff and other concerned people on water issues and help address our problem statement. Prior examples of films that we have shown on campus include *Flow*, *Blue Gold* and *Liquid Assets*, which were borrowed from the TBTT office in San Diego. These films touch on many different water quality and rights issues and by highlighting some of the water issues we face. Corie Lopez has agreed to lending us the new documentary, *Tapped!* to screen on campus during the spring 2010 semester.

Educational videos: Beginning in the spring 2010 semester, TBTT will be collaborating with Ann Alter's TFD 477 Social Change in Video course for the creation of multiple 30 second and 4-minute long educational videos. Video content will include the numerous negative impacts of bottled water, particularly the embedded energy associated with bottled water, and to promote the TBTT campaign. Members of TBTT may enroll in the course to oversee the video production to ensure the TBTT message is clear in each video.

Social Justice Seminar: Each spring semester, the MCC organizes and hosts the Social Justice Seminar (SJS) at HSU. TBTT plans on participating in the week-long conference by holding at least one workshop and helping the MCC make the conference bottle-free. Though the MCC has been advocating and holding somewhat bottle-free events for some time now, they've expressed a need for more assistance (e.g. obtaining more reusable drink ware, etc.). Sarah will ensure that TBTT and the MCC work closely together to make the SJS a bottle-free event

Big Time: In April, the MCC will hold the annual Big Tim event. Last year they attempted to make the event bottle-free but had difficulty due to the large volume of attendees. In the effort to make the event fully bottle-free, TBTT will assist in obtaining and providing additional reusable cups. We will also work with the MCC to advertise this as a "bring your own cup" event. In addition, TBTT will distribute educational materials by tabling. Sarah will also attend the planning meetings for Big Time.

HSU Library Display: TBTT will have the Library Display from April 20-26, 2010. Much like the display in August, TBTT will include signage and posters that contain facts about bottled water. We will also promote the consumption of local tap water, the importance of ensuring safe drinking water for all Americans by investing in a federal clean water fund for our aging water infrastructure, and information about the privatization of water. The display will be designed and assembled by members of the TBTT club.

Sustainable Living, Music and Arts Festival (SLAM Fest): Last spring, TBTT received a lot of attention and support while tabling at SLAM Fest. TBTT will table again at the 2010 SLAM Fest. Once notifications go out from the event organizers, Sarah will reserve a table for the TBTT club. We will hand out information about the campaign and bottled water, as well as garnering voter support for Assembly Bill 301. We also hope to give away reusable water bottles to event attendees. Furthermore, TBTT intends on collaborating with the event organizers to make it a bottle-free event.

Monitoring and Evaluation

The primary method of evaluating the effectiveness of the HSU Takes Back the Tap campaign and the associated HEIF project (Hydration Stations and educational videos) will be through analysis of HSU bottled water sales. The Take Back the Tap (TBTT) coordinator, under the Campus Recycling Program, will collect, compile into a database, and analyze the sales figures that are

provided on a monthly basis by Eddie Aguilar, Depot Manager. Mr. Aguilar is committed to supplying monthly sales figures from all campus point-of-sales, including the Depot, the J, the Giant's Cupboard, the South Campus Marketplace, the Behavioral Social Science (BSS) Market, and the HSU Library Cafe. James Robinson (ENGR student) has created a spreadsheet in Excel which records unit and total sales of plastic water bottles and calculates Total Mass of Units, Total Mass of Water, Mega Joules (MJ) of Energy Consumed, Equivalent Barrels of Oil, and pounds of CO₂ emitted. To spotlight transparency and equal distribution of information, every semester reports will be provided to the HEIF committee, HSU administration, and Associated Students. Also, these same reports conjoined will be summarized into articles to be submitted to media outlets, such as The Lumberjack, Eco News, the North Coast Journal, and other interested media.

Sociological Surveys will monitor behavioral changes directly through student interviews and surveys. The Sociology Department at HSU is committed to assisting TBTT by recommending students who are interested in conducting these interviews and surveys as class projects. If no student is interested, Tony Silvaggio, Ph.D. (HSU professor of Sociology) has expressed his willingness to conduct survey and analyses of the effectiveness of the TBTT campaign.

In addition, the TBTT coordinator will maintain the TBTT support listserv (generated from pledge signatures gathered at campaign events). The database will be utilized to conduct personal information surveys via the Internet.

The evaluation process, much like the entire TBTT campaign, is an amalgamation of committed Humboldt State programs, departments, clubs, staff, faculty and most importantly, students working together to effect change, and keeps Humboldt State University's commitment to sustainability going strong. We will continue collaborating with the Campus Recycling Program, the Multicultural Center, Associated Students, the Student Health Center, Service Learning, Housing and Dining Services, the Humboldt Energy Independence Fund, HSU Athletics, the Humboldt Orientation Program, and the City of Arcata; and we will strive to build more partnerships with organizations and groups both on and off campus.

Campaign Reflections

The following list outlines the actions our group would have done differently had we been given the opportunity to complete this project again:

- 💧 Generate more involvement on the Day of Action, including holding more activities and events on that day.
- 💧 Presenting to classrooms to better market the Day of Action.
- 💧 More outreach (e.g. more frequent tabling on and off campus)
- 💧 More aggressive recruitment of volunteers and expansion of the club (e.g. more members)
- 💧 Establishing clearer deadlines for projects and events organizing.
- 💧 Drafting roles and responsibilities for the club
- 💧 Better communication between the branches of the campaign and between individuals involved with the campaign.

Lesson learned throughout the project process:

- 💧 **Email is not enough.** Because it can be incredibly challenging establishing contact with people (e.g. decision-makers) we have learned that we must be persistent and that we must utilize all methods of communication (e.g. phone, email, meeting in person).
- 💧 **Must start early on projects.** We have learned that it is best to start the planning phase as early as possible in order to pull off a successful event or activity.
- 💧 **Clear leadership.** In order for any campaign to be successful there must be designated leadership role(s). The person(s) in this role should ideally keep the campaign grounded and moving forward, while helping to strengthen communication amongst everyone involved and to hold people accountable for their actions or non-actions.
- 💧 **More aggressive marketing.** With more widespread advertising, we increase the probability of more people hearing our message and attending our events. Marketing efforts should be directed to a diverse array of media including posting poster's on- and off-campus flyers, radio, newspapers, mass emails, and informational presentation.
- 💧 **Engage the community.** Over this semester we have learned that the outlying community, and in particular the City of Arcata and the Water District, are interested in working together to build more awareness about the issue of bottled water. Through collaborative efforts with the community we will expand our sphere of influence and strengthen not both the campaign's visibility as well as the cause.

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Appendix A: Campus Monthly Bottled Water Sales

***All sales figures have been provided by Eddie Aguilar (Depot Manager)*

Brand	March	April - Aug	Sept	Oct	Nov
Aqua Fina-20oz	1837	1422	2309	2217	1424
Aqua Fina-24oz	94	-	168	155	81
Aqua Fina-1 Liter	1446	1264	1682	1640	1079
Aqua Fina-1.5 Liters	446	-	420	344	264
Dasani-20oz	180	172	189	97	76
Dasani-1 Liter	141	199	66	63	39
South Fork-0.5 Liters	1993	2658	2350	2398	1450
South Fork-1 Liter	1263	1395	1604	1531	928
South Fork-1.5 Liters	40	-	-	44	28
Fiji Water-0.5 Liters	134	282	197	376	217
Fiji Water-1 Liter	186	190	1734	91	143
Smart Water-750 mL		544	344		0
Smart Water-1 Liter	350	-	-	377	126
Evian-1 Liter	17	-	-	23	23
Native Springs-20 oz.	40	-	-	64	32
TOTAL	8167	8126	11063	9420	5910

Year-to-Date Total	=	42686
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** South Campus is estimated based on 10% of Depot's sales*

Another source of bottled water consumption to take into account is the temporary outlets on campus. Throughout the school year various special events are held such as AS Presents, sporting events, and the Humboldt Orientation Program, where large amounts of visitors are on campus. Throughout many of these events, bottled water is not only given out to visitors but also sold through temporary outlets other than the campus stores. This type of bottled water is not accounted for. Because of these events HSU Takes back the Tap is working to convince AS Presents to hold bottle-free events and working with the Associated Student to insert budgetary language that prohibits the purchase of bottled water with AS funds. There are possible solutions to encourage bottle-free sporting events. However, the HSU Athletics Department relies on sponsorship money provided by the Pepsi Bottling Company (e.g. Aquafina).

Appendix B: Library Display photographs



Appendix D: Indigenous Peoples Week (IPW) Workshop Proposal

IPW Workshop Proposal: HSU Takes Back the Tap

Who: HSU Takes Back the Tap

Contact: Sarah Schneider sys2@humboldt.edu (702) 238-6216

Date: Wednesday October 14, 2009

Time: 1pm – 2:30pm

Where: Goodwin Forum

Title: *Bottled Water and its Negative Impacts on Indigenous Peoples*

Description: Indigenous peoples around the globe have been battling the privatization of their water for some time now. This panel discussion will center on the social, cultural, health, environmental, legal, and economic implications of bottled water and indigenous peoples. Panel speakers will discuss specific topics ranging from “bottle-free” workplaces, water rights, and struggles of tribal communities combating bottled water companies.

Speakers:

PennElys Goodshield (HSU Native American Studies Dept)

Sarah Schneider (HSU Takes Back the Tap)

Kylee Singh (HSU Takes Back the Tap)

Appendix E: Day of Action poster

HSU TAKES BACK THE TAP

Day of Action

Wednesday, Oct 14

Find out why Humboldt Students are banning the bottle and instead choosing to *tap it!* Join us at the panel discussion, film screenings and on the Quad from 11-2pm for the National TBTT Day of Action!

Panel Discussion in Goodwin Forum 1-2:30pm
Bottled Water and its Impacts on Indigenous Peoples

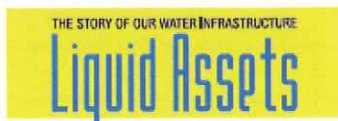
(Water as a commodity, the privatization of water, water rights, pollution, health, bottle-free environment)



NHE Goodwin Forum 2:30-4 p.m.
www.flowthefilm.com




FH 125, 3:30-4:30 p.m.
www.thirstthemovie.org/



FH 163, 3:30-5 p.m.
www.liquidassets.psu.edu

Contact tapthathsu@gmail.com
for more information and volunteer opportunities


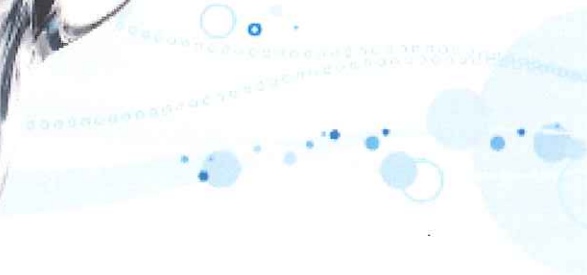




Free Your Event from Bottled Water

A Practical Guide to Take Back the Tap at Your Next Event and Avoid the Waste, Expense and Environmental Problems with Bottled Water

www.takebackthetap.org



Appendix G: Winzler and Kelly Letter



Humboldt State University Takes Back the Tap

1 Harpst Street Arcata, CA 95521
taphathsu@gmail.com

Dear Winzler and Kelly,

Humboldt State University (HSU) has established a club based on the National Take Back the Tap campaign. HSU Takes Back the Tap club is a student-led initiative that aims to raise awareness about the negative environmental, social, and health impacts associated with disposable, plastic bottled water. Our mission is to reduce the consumption of bottled water at Humboldt State University and to promote drinking our local tap water.

HSU Takes Back the Tap (TBTT) is working with several organizations to collaborate toward a bottle-free campus. As a club, we try to accomplish this goal by holding weekly tabling events, giving classroom presentations about the campaign and promoting our mission by raising funds from the sale of reusable water bottles and other TBTT merchandise.

Prior funds awarded by the Humboldt Energy Independence Committee and collected by TBTT have been used to install two Hydration Stations on HSU's campus, purchase reusable water bottles and further increase the success of HSU Takes Back the Tap through educational experiences such as hosting a panel discussion on the social implications of drinking disposable plastic bottled water.

The success of our campaign will be largely credited to our sponsors. Future funds will be solely dedicated to accomplishing our mission statement. Your sponsorship will help HSU Takes Back the Tap fund education and awareness on the many problems associated with disposable plastic water bottles including the environmental, economical and social implications of that use. HSU Takes Back the Tap stresses that social implications include concerns about waste generation, proper use of groundwater, hydrologic effects on local surface and groundwater, economic costs and health risks.

Your sponsorship will benefit your company by extending its exposure through campaigns and promotional efforts directed toward the sponsors of HSU Takes Back the Tap. HSU Takes Back the Tap can also offer its sponsors a tax incentive for monetary donations.

You can select the level of participation that best meets your needs and be secure in the knowledge that your sponsorship will be used to help HSU Takes Back the Tap accomplish its mission.

Thank you in advance for your willingness to support the efforts of HSU Takes Back the Tap and making a difference in our community. Please contact us if you have any questions or concerns.

Sincerely,

Melissa Pawson
HSU Takes Back the Tap

Appendix H: TBTT one pager

HSU Takes Back the Tap

The Take Back the Tap campaign is a student-led initiative aimed at raising awareness about the negative environmental, social, and health impacts associated with disposable, plastic bottled water. Our mission is to reduce the consumption of bottled water at Humboldt State University and to promote drinking our local tap water in reusable bottles.

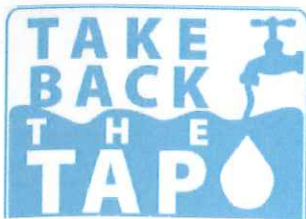


The August 2009 TBTT HSU Library Display was a huge success. Potentially thousands of people viewed the display!

Why Ban the Bottle?

- ◆ Each year more than 4 billion pounds of PET plastic bottles end up in landfills or as roadside litter.
- ◆ Up to 40% of bottled water comes from the same source as tap water, but is sold back to consumers at hundreds of times the cost.
- ◆ Bottled water is less stringently regulated than municipal tap water.
- ◆ Bottled water undermines the public's faith in our public water sources.

In order to spread the word about bottled water, HSU Takes Back the Tap (TBTT) is working with several organizations to collaborate toward a bottle-free campus. In addition, we hold weekly tabling events and give classroom presentations about the campaign. In October, we will be installing the Hydration Stations and hosting a panel discussion and film screenings for the TBTT Day of Action and Indigenous Peoples Week on October 14. Contact us for more information.



For more info email us at: tapthatsu@gmail.com



tap water is, on average, 500 times cheaper than bottled water. boycott the bottle.

Appendix I: Donations Letter



Dear Beachcomber Café:

Humboldt State University's Take Back the Tap campaign is making plans for the upcoming year. The success of this campaign will be credited largely to our sponsors, who lend their names and financial support to our cause. The money we raise this year goes to educating student's staff and faculty on HSU's campus of the social, cultural, health, environmental, legal, and economic implications of drinking bottled water.

By participating as a sponsor, your organization will benefit from extended exposure through media campaigns and promotional efforts directed toward the supporters of HSU Takes Back the Tap. For a small donation, you'll be able to enjoy excellent exposure to this important segment of your target audience.

You can select the level of participation that best meets your needs, and be secure in the knowledge that your sponsorship fee will be used to help HSU Takes Back the Tap fund education and awareness on the many problems associated with single-use water bottles including the environmental, economical, and social implications of that use, including concerns about waste generation, proper use of groundwater, hydrologic effects on local surface and groundwater, economic costs, and health risks.

We're counting on your support, and will be happy to answer any questions you may have, contact information is included in the signature below. Thank you in advance for your willingness to support the efforts of HSU Takes Back the Tap and making a difference in our community.

Sincerely,

Kylee Singh
(760)427-2472
kls99@humboldt.edu

Appendix J: AB 301 postcard

food&waterwatch

Help us pass Assembly Bill 301!

July 18th, 2009

Dear Supporter,

We are one step closer to knowing how much water is being bottled in California. AB 301, which recently passed out of the state Assembly and is now in the state Senate, will require bottled water corporations to disclose the amount and source of California's water they are bottling for private profit.

Yet the California Department of Public Health has opposed the bill, saying the amount of California water extracted by bottling companies is considered proprietary and "an indicator of a company's financial health." We are highly troubled by the Department's position as large bottled water plants are being proposed across California, such as the Nestle proposal in McCloud.



Bottled water companies are sucking up water near Mt. Shasta. Help us find out how much is being taken!

We need your help to overcome this opposition and get the Governor's support for the bill. We are working on getting 5,000 postcards signed to the Governor asking him to sign AB 301 when it reaches his desk. In order to be successful, we need your help! Please come by our San Francisco office and take a dozen or so postcards that can be signed by family, coworkers, friends, neighbors, etc. In addition, we have an ongoing need for volunteers, who have been helping get postcards signed at farmers markets and other events.

In order to get postcards, please contact Aimee at ainglis@fwwatch.org or 415-293-9925. We can only pass this important legislation with your help!

Thanks very much,

Appendix K: TBTT Appropedia.org webpage

HEIF Take Back the Tap - Appropedia: The sustainability wiki - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://www.appropedia.org/HEIF_Take_Back_the_Tap

Most Visited Getting Started Latest Headlines

EndNote Web 2.7.1 Capture ? Help

Google Docs - All items Humboldt Students Take Back the Tap... Table of Contents for the Appendices... HEIF Take Back the Tap - Appropedia

Permanent link

History [edit]

In an effort to stop the use of plastic water bottles, students began a campus chapter of Take Back the Tap at Humboldt State University. Each year, approximately 80,000 plastic bottles of water are consumed at HSU. Take Back the Tap, or TBTT, is a [national organization](#) with many student chapters at campuses across the country. From grant-writing to campus events, students are actively seeking and developing ways to eliminate the use of plastic water bottles and to encourage hydration by filling up reusable containers with local tap water. [edit]

Structure

The Official Campus Club is organized as follows:

- Co-Directors: Beth Oates and Amanda Platt

Coordinator

- Campus Recycling Program: Sarah Schneider

Active Members

- Sue Muraoka, Gabe Salazar, Lindsey Lascheck, Alex Moser and Andrew Duenez

ENVS 411 Senior Capstone Group

- Kylee Singh, Sarah Schneider, Melissa Pawson, David Shibley

Effects of Bottled Water [edit]

Why was Take Back the Tap founded? There are many reasons behind TBTT's fight to stem the production and consumption of bottled water, the main ones falling under monetary, environmental, and health impacts.

Economic [edit]

Consumers annually spend hundreds to thousands of dollars more on bottled water than

Done

Appendix L: Lumberjack article

Campus Welcomes Hydration Stations

Local movement provides alternative to bottled water

By Melissa Hutsell

Published: Monday, November 2, 2009

Updated: Wednesday, November 4, 2009



Allyson Riggs

The Hydration Station next to Muddy Waters in the Depot will be ready to use at the end of this week.

Natalynne DeLapp said simple, everyday conscious choices could have a positive effect on the environment.

Thanks to the new Haws Hydration stations located in the Depot (to the left of Muddy Waters) and the Kinesiology building (on the way to the locker rooms) students can now make those choices easier while saving money with every cold drink.

Better yet, you can avoid having to spend money.

"The Hydration stations are touch-free sanitary devices that resemble a cross between fridge faucets and an ATM," said Natalynne DeLapp, co-founder and adviser for the local chapter of the global Take Back the Tap movement. "By providing an alternative to bottled water and educating the public we will see less bottled water consumption and increased use of refillable containers," said DeLapp. "The two go hand in hand."

Light sensors trigger the filtered water to turn on and off. To use them, place your water bottle under the light until it is full.

Take Back the Tap aims to reduce the amount of plastic water bottles consumed on campus by educating students and community members about the damaging health, social, environmental and economic implications. Sarah Schneider, coordinator for Take Back the Tap and senior water resource major, said the production and distribution of single-use plastic water bottles negatively affects the environment, and has high embedded energy costs. It takes energy (oil) to manufacture the plastic and transport, store and dispose of the bottles.

These stations indirectly save the university energy by not having to purchase as many plastic bottles.

Schneider hopes the modern hands-free stations will make people think differently about water fountains. The stations are a product of HSU Takes Back the Tap Campaign. The campaign began as a display in the library last spring semester.

The founding Take Back the Tap team wrote a proposal to the Humboldt Energy Independence Fund, a student initiative that provides funds for student designed renewable and efficient energy projects. The fund purchased the first hydration station on campus as part of a pilot project. The second is a donation that was awarded to HSU with the purchase of the first fountain by the manufacturer.

DeLapp said if the stations are successful the fund will purchase additional ones.

Take Back the Tap inspired a resolution to Associated Students that passed in April. The resolution states that the university will strongly discourage the purchase of plastic water bottles for campus. Take Back the Tap is in the midst of proposing a resolution to the city of Arcata with the same intention.

According to the resolution, it takes 2,000 times the cost to produce plastic bottles than it does to provide tap water. Schneider said only 14 percent of plastic bottles are recycled. The other 86 percent goes into landfills.

The club wants to help people overcome their perceptions of tap water as well. Juliene Sinclair, co-director of Take Back the Tap, believes most people are turned off by drinking fountains, because they

look like toilets and the water pressure is low. "Nobody wants to put their mouth on them," said Sinclair. "Who knows how often the fountains around campus are cleaned."

According to the Food and Water Watch, a nonprofit organization that works to ensure clean water and safe food around the world, tap water is tested several times a day for bacteria. The water in plastic bottles is tested weekly and not tested at all after being bottled.

Most bottles lack an expiration date, said Schneider, and storing and distributing releases chemicals into the water you're drinking. The filters in the stations will be replaced every few months depending on the amount of use. Club members will regulate and check the fountain.

Sinclair said she thinks the hydration stations will be a success. "These stations will give students another option for clean filtered water instead of purchasing single-use bottles," she said "It's convenient. There's no excuse not to use them."

Appendix M: Humboldt Now article

Humboldt Students Take Back the Tap

Nov 13, 2009 - Brandi Fleeks / Student Writer

Humboldt State's student-lead Take Back the Tap campaign has unveiled two hydration stations, offering the campus filtered water in sanitary conditions, while reducing dependency on disposable water bottles.



HSU students Kylee Singh, left, Amanda Platt and Matthew Baker fill up their water bottles at the campus's new Hydration Station. / Humboldt State University

The two stations are located in the HSU Depot and in the Kinesiology & Athletics Building. "With the hydration stations we are trying to encourage people to drink local tap water and to liberate students, staff and faculty from bottled water," said Sarah Schneider of HSU Takes Back the Tap. "They give people the option to drink free filtered, drinking water."

The hydration stations are a hygienic, hands-free filtered drinking fountain operated by sensor where people can fill their reusable containers. The stations are meant to improve the accessibility of tap water to students; staff and faculty while helping to overcome the negative perceptions people have about tap water.

“While the water quality at HSU is known to be very high, often the aesthetic quality of the water from individual drinking fountains is less than desirable, “ said Natalynne DeLapp, co-founder of HSU Takes Back the Tap.

One hydration station was funded by a grant from the Humboldt State University Energy Independence Fund (HEIF), the other station was donated by manufacturer of the hydration stations.

Humboldt State University is not alone its endeavor. San Diego State University and University of Oregon’s Portland campus are two universities that have already installed hydration stations. “We’re trying to bring the appeal back to drinking tap water and eliminate some of the negative perceptions,” said Schneider.

In addition to the hydration stations, HSU Takes Back the Tap is in the early stages of planning a Bottle-Free Day to bring awareness to the negative effects of bottled water and enlighten people about the availability of quality drinking water.

The goal of the campaign is to reduce bottled water sales by 20 percent within three years, which is expected to produce a savings of 3,202 kg of carbon dioxide emissions.

“The real issue,” says DeLapp, “are the hidden environmental and social costs of bottled water, which include extracting raw material to make the bottles, bottling and shipping the water, and water privatization. Those factors make tap water the clear choice in my mind.”

Appendix N: Rubric for Drinking Fountain Survey

	Very Poor	Poor	Fair	Good	Great
Alder					
Cedar					
Chinquapin					
Chinquapin					
Madrone					
Maple					
Tan Oak					
Pepperwood					
J G Commons					
Cypress Hall					
Sunset Hall					
Redwood Hall					
Creekside					
Juniper					
Laurel					
Willow					
Fern					
Student Health C.					
Nelson Hall					

University Center					
Bookstore					
Founders Hall					
Siemens Hall					
Library					
Van Duzer Theatre					
Music A					
Art A					
Art B					
Sci A					
Sci B					
Sci C					
Sci D					
Jenkins Hall					
Gist Hall					
SBS					
Harry Griffith Hall					
Natural Resources					
Forestry					
BSS					
Wildlife & Fisheries					
East Gym					
West Gym					
SRC					
KA					

Appendix O: Capstone Class Hours

David's Hours Spent on Project

Date	Hours	Task
9/4/09	1	Attended TBTT Meeting, discussed potential tasks for our class project
9/9/09	3	Tabling in the Quad
9/11/09	1	Attended TBTT Meeting
9/16/09	2	Tabling in the Quad
9/21/09	1	In class: Worked on write up
9/23/09	1	In class: Worked on write up
9/23/09	2	Tabling in the Quad
9/25/09	1	Attended TBTT meeting
9/30/09	2	In class: Worked on Problem Statement and Background for paper
9/30/20009	2	Tabling in the Quad
10/2/09	1	Attended TBTT meeting
10/5/09	2	In class; Discussed goals and objectives, prepared for meeting with housing, established individual tasks
10/6/09	2	Worked on Drinking Fountain Survey
10/7/09	2	Prepared for meeting with housing & attended meeting with Kylee and Melissa
10/9/09	1	Attended TBTT meeting
10/12/09	2	In class: Worked on Goals and objectives
10/14/09	4	Tabling for the Day of Action
10/16/09	1	Attended TBTT meeting
10/23/09	1	Attended TBTT meeting
10/26/09	2	In class: Worked on Wieghing alternatives
10/30/09	1	Attended TBTT meeting
10/30/09	1	Emailed HSU Professors about presenting in class
11/2/09	2	In class: Worked on Implementation Strategies
11/3/09	1	Performed Class Presentations
11/6/09	4	Chico's This Way to Sustainability Conference
11/7/09	6	Chico's This Way to Sustainability Sonference
11/8/09	6	Chico's This Way to Sustainability Sonference
11/12/09	2	Performed Class Presentations
11/13/09	1	TBTT weekly meeting
11/16/09	2	Performed Class Presentations
11/16/09	2	In class: Worked on monitoring and evaluation
11/20/09	1	TBTT weekly meeting
12/4/09	1	TBTT weekly meeting
12/7/09	3	Worked on Final project
12/8/09	2	Finished Final Project
12/11/09	1	TBTT weekly meeting
Total	70	

Melissa's Hours Spent on Project

Date	Time	Task
September	5.5	ENVS 411 class discussion
9/4/09	1	TBTT meeting
9/11/09	1	TBTT meeting
9/18/09	1	TBTT meeting
9/25/09	1	TBTT meeting
October		
10/2/09	1	TBTT meeting
10/4/09	2	editing background and statement
10/7/09	2	Prepared for housing meeting and conducted the meeting
10/9/09	1	TBTT meeting
10/11/09	1	editing goals and objectives
10/14/09	0.2	Class Presentation
10/14/09	3.5	Winzler and Kelly one-pager
10/16/09	1	TBTT meeting
10/20/09	1.5	emailing for TBTT
10/21/09	2	editing one-pager
10/23/09	3	preparing weighing alternatives
10/26/09	1	ENVS 411 class discussion
10/28/09	0.3	ENVS 411 class discussion
10/28/09	1	emailing for hydration stations
10/28/09	1	editing class hours
10/28/09	2.5	Implementation sections
10/30/09	1	TBTT weekly meeting
November	4	ENVS 411 discussion
11/2/09	5	Worked on Implementation Strategies
11/9/09	1	worked on project
11/9/09	3	Contacting Steve Allan at Winzler and Kelly/ emailing him information
11/11/09	1	worked on project
11/11/09	4	Monitoring and Evaluation
11/13/09	1	TBTT weekly meeting
11/16/09	1	Worked on monitoring and evaluation
11/18/09	5.5	Helped prepare for hydration station ceremony, tabled and participated in ceremony
11/20/09	1	TBTT weekly meeting
11/27/09	1	TBTT weekly meeting
11/30/09	1	ENVS Class
December		
12/7/09	4	worked on final project
12/11/09	1	TBTT weekly meeting
Total	68	

Kylee's Hours Spent on Project

Date	Hours	Task
9/4/09	1	Attended TBTT Meeting, discussed potential tasks for our class project
9/9/09	3	Tabled in the Quad for TBTT
9/9/09	2	Discussed possible write up's for the Oct. 5th paper
9/11/09	1	Attended TBTT Meeting
9/16/09	2	Met in Class with group mates and discussed parts for write up
9/21/09	2	Worked on write up
9/23/09	2	Worked on write up
9/25/09	1	TBTT weekly meeting
9/28/09	2	Worked on Spreadsheets and emailing for TBTT
9/30/09	2	Worked on Problem Statement and Background for paper
10/2/09	1	TBTT weekly meeting
10/4/09	5	Worked on final edits and revision for problem statement
10/5/09	2	Discussed goals and objective for TBTT, prepared for meeting with housing on WED., divyed out projects to team members
10/6/09	2	Worked on Flyers and called marlon
10/7/09	2	Prepared for housing meeting and met with the big 4
10/9/09	1	TBTT weekly meeting
10/12/09	2	Worked on Goals and objectives
10/13/09	5	Spent the day soliciting for donations
10/14/09	8	Spent the entire day tabling, preparing and presenting
10/16/09	1	TBTT weekly meeting
10/23/09	1	TBTT weekly meeting
10/26/09	2	Worked on Wieghing alternatives
10/30/09	1	TBTT weekly meeting
11/2/09	2	Worked on Implementation Strategies
11/6/09	1	TBTT weekly meeting
11/7/09	6	Represented HSU TBTT at Chico sustainability conference
11/8/09	6	Represented HSU TBTT at Chico sustainability conference
11/12/09	2	
11/13/09	1	TBTT weekly meeting
11/16/09	2	Worked on monitoring and evaluation
11/17/09	1	Helped prepare for hydration station ribbon cutting ceremony
11/20/09	1	TBTT weekly meeting
12/4/09	1	TBTT weekly meeting
12/6/09	3	Began work on Final project
12/11/09	1	TBTT weekly meeting
Total	78	

Sarah's Hours Spent on Project

Date	Time	Task
8/19/09	4.5	HOP tabling events (am and pm)
8/21/09	1.5	TBTT meeting
8/25/09	2	Set up Library display
8/31/09	1	Tore down display
8/27/09	1	Call with Corie Lopez (National TBTT)
8/6/09	2	TBTT meeting
9/1/09	1	Meeting with Multicultural Center (MCC)
9/2/09	3	Service Learning Fair tabling event
9/3/09	1	TBTT (CRP) office hour
9/3/09	2	MCC Convocation tabling event
9/4/09	1	TBTT meeting
9/8/09	1	TBTT office hour
9/9/09	2	Clubs Fair tabling event
9/9/09	1	Class: Discussed possible write up's for the Oct. 5th paper
9/14/09	1	Indigenous Peoples Week committee meeting (IPW)
9/14/09	1	Class: Met with group
9/15/09	1	TBTT office hour
9/16/09	3	Wellness Fair tabling event
9/17/09	0.5	TBTT Volunteer meeting
9/18/09	1	TBTT meeting
9/18/09	1	Meeting with Eddie Aguilar (Depot Mgr)
9/21/09	2	TBTT office hour: 10/14 Panel Discussion; meeting with Austin (water bottle purchasing?)
9/23/09	1	Class: Met with group
9/24/09	1	TBTT office hour
9/25/09	0.5	TBTT meeting
9/27/09	3	Workshop proposals for IPW (panel discussion and film screening)
9/28/09	1	IPW committee meeting
9/29/09	2	TBTT office hours: Day of Action planning
9/30/09	1	Class: Met with group
10/1/09	3	TBTT office hours; Osprey interview; Volunteer meeting TBTT meeting; Meeting with Aldaron Laird and Tera Prucher (Water District, Tap the Mad);
10/2/09	4	Situational Analysis sections
10/3/09	2	Situational Analysis sections
10/5/09	2	IPW committee meeting; Discussed goals and objective for TBTT
10/6/09	1	TBTT office hour; IPW planning (phone calls to speakers)
10/7/09	4	Met with group in class; National TBTT conference call; hung Day of Action fliers on campus Met with TBTT/IPW panelist PennElys Goodshield; TBTT office hour; Meeting with Ann Alter about
10/8/09	2	short videos
10/9/09	1	TBTT weekly meeting
10/10/09	1	Goals and Objectives section
10/12/09	1	Met with group in class
10/13/09	1.5	Finish panel PowerPoint presentation for IPW; Tabling on Quad

10/14/09	8	Spent the entire day tabling, preparing and presenting
10/16/09	1	TBTT weekly meeting
10/20/09	1	TBTT office hour
10/21/09	1	Met with group in class
10/23/09	1	TBTT weekly meeting
10/25/09	2	Weighing Alternatives section
10/30/09	1	TBTT weekly meeting
11/1/09	6	Implementing Strategies section
11/4/09	1	Met with group in class
11/5/09	1	TBTT office hour
11/6/09	6	Represented HSU TBTT at Chico sustainability conference
11/7/09	6	Represented HSU TBTT at Chico sustainability conference
11/9/09	1	Met with group in class
11/12/09	1	TBTT office hour
11/13/09	1	TBTT weekly meeting
11/15/09	4	Monitoring and Evaluation section; Article for MultiCultural Center's "Cultural Times" publication
11/16/09	1	Met with group in class
11/17/09	3	Prepared for Hydration Station ribbon cutting ceremony
11/18/09	3	Tabling; Ribbon cutting ceremony
11/19/09	1	TBTT office hour
11/30/09	1	Met with group in class
12/1/09	1	TBTT office hour
12/3/09	1	TBTT office hour
12/4/09	1	TBTT weekly meeting
12/7/09	3	Met with group in computer lab to work on Final project; worked more on Final project
12/8/09	2	Final project work
12/9/09	2	Final project work
Total	127.5	