



**Diverse People for a Diverse Science
The Ecological Society of America's (ESA)
Strategies for Ecology Education Diversity and Sustainability (SEEDS) program**



**Western Sustainable Communities field trip
Havasupai Nation, Grand Canyon
May 16-20, 2012**

SEEDS College Campus Chapters in Western Region

- Arizona State University
- Diné College
- Fort Lewis College
- Northern Arizona University
- San Diego City College
- San Jose State University
- Southwestern Indian Polytechnic Institute
- Stanford University
- UC, Berkeley
- UC, Davis
- UC, Los Angeles
- UC, San Diego
- University of New Mexico

**Deadline to apply:
March 5, 2012**

**To apply visit:
<http://www.esa.org/seeds/programs/chapters/western.region.php>**

**Field trip contact:
Melissa Armstrong
Melissa@esa.org**

Opportunity Description

As part of the ESA SEEDS program's Western Sustainable Communities project*, we will be visiting the Havasupai Nation in western Grand Canyon to study water sustainability, usage, and policy for the Colorado River basin from a scientific and traditional ecological perspective. Havasupai tribal lands are located in Havasu Canyon, which is the second largest watershed of the Colorado River in AZ. Havasu Creek is known for its striking turquoise color due to the calcium carbonate and other minerals present in the canyon's sedimentary rock layers. Calcium carbonate in the water then builds up to form beautiful travertine waterfalls that Havasu Canyon is well known for.

Field Trip Specifics

This is an all expenses paid opportunity and will include meals, transportation, and gear (backpack, sleeping bag and pad, tent) if needed. We will hike a total of 20 miles, spend three days, and two nights camping in Havasupai. The night before and after the field trip will be spent in Flagstaff. The agenda will include workshops and discussions with scientists, tribal members, and an attorney specializing in AZ water policy. Students will also work in teams of 4-5 students on sub topics of water sustainability. We will also have time to relax and enjoy the beautiful surroundings.

Eligibility

- Undergraduate and graduate students from SEEDS Chapter schools in the Western region (Colorado Plateau and California) are eligible to apply. Students must:
- Be in physical condition to hike 20 miles over a 3,000 feet elevation loss (hiking in) and gain (hiking out).
 - Be able to carry a 30 pound backpack over these 20 miles.
 - Show proof of medical insurance (temporary travel policies are affordable options).
 - Be willing to work before, during, and after the field trip on meaningful products for water sustainability.
 - Be willing to develop creative, follow-up sustainability efforts in their SEEDS Chapters and/or home communities.

*This project is made possible with funding from the David and Lucile Packard Foundation



