

TAHOE:
STATE
OF THE
LAKE
REPORT
2012

**EDUCATION AND
OUTREACH**

EDUCATION AND OUTREACH

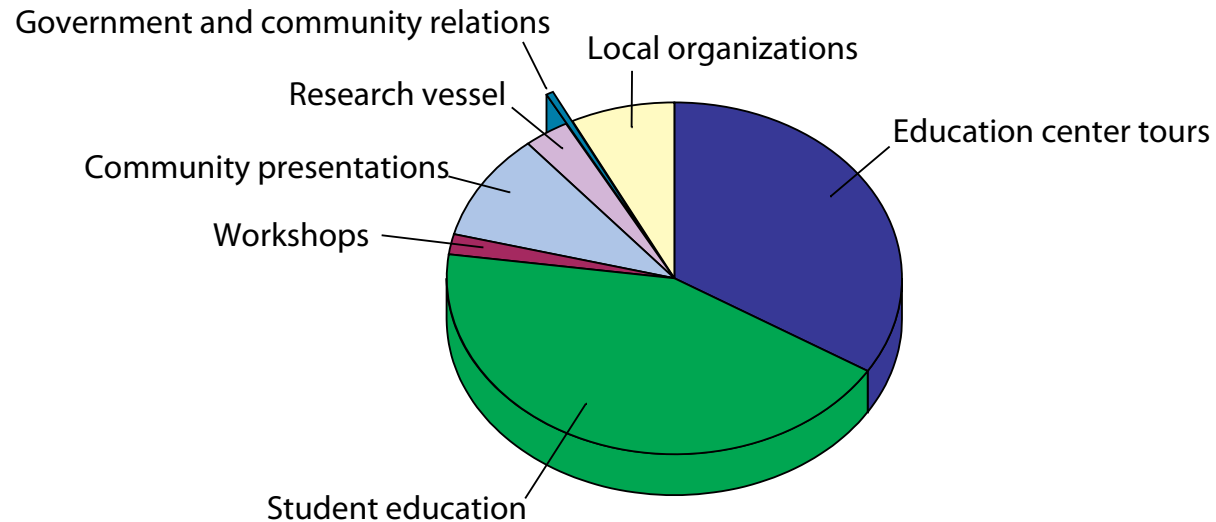
TERC education and outreach

In 2011

Part of TERC's mission is education and outreach. During 2011, TERC recorded 12,283 individual visitor contacts. The majority represented student field trips and visitors to the Thomas J. Long Foundation Education Center at Incline Village. In addition, TERC hosts monthly public lectures and workshops, makes

presentations to local organizations and takes a limited number of visitors out on our research vessels. TERC organizes and hosts annual events and programs including Children's Environmental Science Day, Science Expo, Youth Science Institute, Trout in the Classroom program, Project WET workshops, Summer Tahoe

Teacher Institute and a volunteer docent training program. TERC also partners with numerous groups to deliver education in the Tahoe basin. In 2011, these included AmeriCorps, COSMOS, Sierra Watershed Education Partnerships (SWEP), Space Science for Schools, Young Scholars and many others.



TOTAL NUMBER OF CONTACTS: 12,283

EDUCATION AND OUTREACH

TERC educational exhibits

In 2011

A new 3D movie was developed for viewing in the 3D Theater at the Thomas J. Long Foundation Education Center in Incline Village, Nev. “Mapping Change In Sierra Nevada Forests” is a 10 minute short film about vegetation

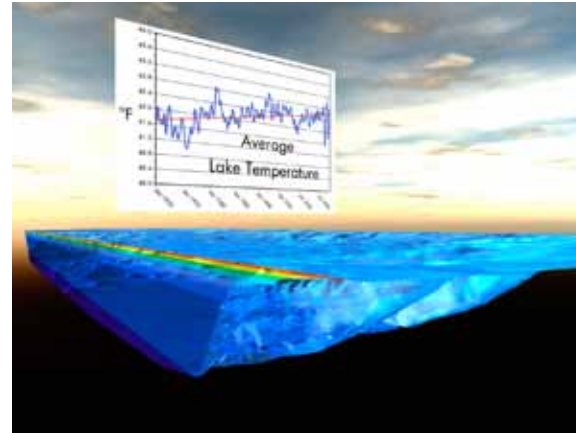
mapping surveys conducted across generations for understanding how Sierra Nevada forests are responding to climate change. Steven McQuinn, 3D Viz, created, directed and narrated the 3D visualization production which was

funded by NSF through a grant with Dr. Jim Thorne, UC Davis.

“Lake Tahoe in Depth” 3D short film (16 minutes) continues to be a huge success in the 3D Theater as well.



Historic vegetation transect maps conducted in the 1930s are compared with modern remotely sensed maps to find changes in vegetation types in the Sierra.



Evidence for climate change is found in lake temperatures, air temperatures and changes found in the forest. See “Mapping Change” 3D to learn more.



The award-winning 3D movie “Lake Tahoe in Depth” (16 minutes) continues to show at the 3D Theater in Incline Village.

EDUCATION AND OUTREACH

TERC educational programs

In 2011

In addition to providing education center tours for the general public, the TERC Education Team also provides high quality informal science education to more than 5,000 fifth- and sixth-grade students by hosting 60 - 70 field trips each year.

A small group of select high school students participate in the afterschool Youth Science Institute from January through May. Participants work with scientists, conduct science experiments and share science activities with other students.

For the past several years, TERC has hosted a summer Tahoe Teacher Institute for educators from both California and Nevada.



School groups visit for informal science education programs on water, geology and biology



Youth Science Institute participants conduct science activities to improve their confidence in various scientific fields



Teachers come to Lake Tahoe for the Tahoe Summer Institute to improve their proficiency in environmental science topics and learn new science activities

EDUCATION AND OUTREACH

TERC special events

In 2011

TERC hosts monthly lectures throughout the year on various environmental issues, new scientific research and related regional topics of interest.

Special events hosted annually include Project WET training workshops (February), Science Expo (March), Green Thumb Tuesdays (July - August), Children's Environmental

Science Day (August), Earth Science Day (October), and Family Science Day (December)



The annual Science Expo held each March brings in more than 600 third-, fourth- and fifth-grade students for hands-on science activities



Monthly lectures are held at both the Incline Village and Tahoe City locations



Children's Environmental Science Day is held annually each August with hands-on science activities designed for kids ages six and up